
File ID: 2026-01185

7/21/2026

[Contract] Carlson Drive Rehabilitation Project (R15200000): Construction Contract Award

File ID: 2026-01185

Location: Carlson Drive, from H Street to Sandburg Drive, Sandburg Drive from Carlson Drive to Camellia Avenue, and Camellia Avenue from H Street to Sandburg Drive; District 4

Recommendation: Pass a **Motion:** 1) approving the Plans and Specifications for the Carlson Drive Rehabilitation Project (R15200000); 2) awarding the construction contract to American Pavement Systems, Inc. for an amount not-to-exceed \$523,626 for the Carlson Drive Rehabilitation Project; and 3) authorizing the City Manager or the designee to execute the contract for an amount not-to-exceed \$523,626 for the Carlson Drive Rehabilitation Project.

Contact: Sabrina Martin, Junior Engineer, (916) 808-7804, smartin@cityofsacramento.org; Adam Randolph, Senior Engineer, (916) 808-7803, arandolph@cityofsacramento.org; Ofelia Avalos, Engineering Manager, (916) 808-5054; oavalos@cityofsacramento.org; Department of Public Works

Presenter: None

Attachments:

- 1-Description/Analysis
- 2-Construction Contract: Carlson Drive Rehabilitation Project
- 3-Carlson Drive Project Plans
- 4-Carlson Drive Project Specifications

Description/Analysis

Issue Detail: The Carlson Drive Rehabilitation Project includes resurfacing Carlson Drive from H Street to Glenn Hall Park, as well as key entryway segments of Sandburg Drive and Camellia Avenue. Due to roadway deterioration caused by heavy construction truck traffic, particularly from the United States Army Corp of Engineers (USACE) bank protection projects, these streets are being restored to a state of good repair.

The Carlson Drive Rehabilitation Project was advertised on April 29, 2026, and three bids were received. Staff recommend awarding the construction contract to the lowest and most responsive bidder, American Pavement Systems, Inc.

Policy Considerations: The requested action aligns with the City's General Plan goals by supporting the continued maintenance of public streets through the use of a pavement management system and associated maintenance program (M-1.39 Maintain the Street System). In addition, it advances transportation safety objectives by implementing traffic calming measures in front of Caleb Greenwood Elementary and increasing visibility at street crossings (M-3.3 Traffic).

The recommendations in this report are consistent with City Code Chapters 3.60 and 3.64 (Participation of Local Business Enterprises).

Economic Impacts: This new infrastructure is expected to create 2.09 total jobs (1.2 direct jobs and 0.89 jobs through indirect and induced activities) and create \$323,305 in total economic output (\$203,782 of direct output and \$119,524 of output through indirect and induced activities).

The indicated economic impacts are estimates calculated using a calculation tool developed by the Center for Strategic Economic Research (CSER). CSER utilized the IMPLAN input-output model (2009 coefficients) to quantify the economic impacts of a hypothetical \$1 million of spending in various construction categories within the City of Sacramento in an average one-year period. Actual impact could differ significantly from the estimates and neither the City of Sacramento nor CSER shall be held responsible for consequences resulting from such differences.

Environmental Considerations:

California Environmental Quality Act (CEQA): The Community Development Department, Environmental Planning Services Division has determined that the Carlson Drive Rehabilitation Project is categorically exempt from the provisions of the California Environmental Quality Act (CEQA) under Class 1, Section 15301 (c) - Existing Facilities

Projects exempted under Class 1, Section 15301(c) consist of the operation, repair and minor alteration of existing public facilities, mechanical equipment, and topographical features including existing highways and streets, sidewalks, gutters, bicycle and pedestrian trails, and similar facilities.

The Carlson Drive Rehabilitation Project involves pavement rehabilitation improvements to address deterioration along the existing roadway segments identified within the project limits.

Sustainability: None.

Commission/Committee Action: None.

Rationale for Recommendation: The Carlson Drive Rehabilitation Project was advertised for construction, and three bids were received on May 20, 2026.

The bids received are summarized below:

Contractor	Bid Amount	LBE Requirement (5% Goal)
American Pavement Systems, Inc.	\$523,626.00	8.14%
Pavement Coatings, Inc.	\$536,674.00	64.55%
VSS International	\$580,211.00.	5.26%

The Engineer's estimate was \$776,000.

Staff recommends that the construction contract be awarded to the lowest, responsive, and responsible bidder, American Pavement Systems, Inc.

Financial Considerations: The Carlson Drive Rehabilitation project has a total estimated cost of \$1,399,896, including design, construction and construction management. There is adequate funding (Road Maintenance and Rehabilitation Account, Fund 2036) within the Transportation Corridor Program (R15200000) to award the construction contract.

Local Business Enterprise (LBE): American Pavement Systems, Inc. is not an LBE but has committed to meet or exceed the minimum LBE participation requirement through both material suppliers and subcontractors.

CONTRACT #:
CONTRACT NAME: **CARLSON DRIVE REHABILITATION PROJECT**
AGREEMENT TERM: N/A
AUTHORIZED RENEWALS: N/A
DEPARTMENT/DIVISION: **PUBLIC WORKS/ENGINEERING SERVICES**

PROJECT: **R15200035**
NOT-TO-EXCEED AMOUNT: **\$ 523,626.00**
SOLICITATION: **B26151111020**
LBE (Y/N): **Y**
COUNCIL FILE ID: **2026-01185**

AGREEMENT

(Construction Contract Over \$25,000)

THIS AGREEMENT, dated for identification **July 21_, 2026__**, is made and entered into between the CITY OF SACRAMENTO, a municipal corporation ("City"), and **American Pavement Systems, Inc., 1012 11th St, Ste 1000, Modesto, CA 95354**("Contractor").

The City and Contractor hereby mutually agree as follows:

1. CONTRACT DOCUMENTS

The Contract Documents, sometimes also referred to as the "Contract," consist of the following items, which are hereby incorporated by reference as if set forth in full in this Agreement:

- Notice to Contractors
- Proposal Form submitted by the Contractor
- Instructions to Bidders
- Subcontractor and Local Business Enterprise Participation Form
- Drug-Free Workplace Policy and Affidavit
- Construction and Demolition (C&D) Debris Recycling Requirements
- Workers' Compensation Insurance Certification
- Federal or State funding requirements (if applicable)
- Local Business Enterprise (LBE) Requirements
- Requirements of the Non-Discrimination in Employee Benefits Code
- Ban-The-Box Requirements
- CWTA Requirements (if applicable)
- Addenda, if any
- This Agreement
- Standard Specifications
- Special Provisions
- Plans and Technical Specifications
- The drawings and other data and all developments thereof prepared by City pursuant to the Contract
- Project Progress Payment Application
- Any modifications of any of the foregoing made or approved by City, including but not limited to duly authorized change orders

Unless specifically noted otherwise, references to the "Standard Specifications" shall mean and refer to the Standard Specifications for Public Construction of the City of Sacramento

approved by the Sacramento City Council on November 10, 2020 (Resolution No. 2020-0354), and any subsequent amendments thereto approved by the Sacramento City Council or the Sacramento City Manager. Work called for in any one Contract Document and not mentioned in another is to be performed and executed as if mentioned in all Contract Documents. The table of contents, titles and headings contained in the Contract Documents are provided solely to facilitate reference to various provisions of the Contract Documents and in no way affect or limit the interpretation of the provisions to which they refer.

2. DEFINITIONS

Unless otherwise specifically provided herein, all words and phrases defined in the Standard Specifications shall have the same meaning and intent in this Agreement.

3. AGREEMENT CONTROLS

In the event of a conflict between any of the terms and conditions set forth in this Agreement and the terms and conditions set forth in other Contract Documents, the terms and conditions set forth in this Agreement shall prevail, except that the provisions of any duly authorized change order shall prevail over any conflicting provisions of this Agreement.

4. SCOPE OF CONTRACT

Contractor agrees to furnish all tools, equipment, apparatus, facilities, labor, material and transportation necessary to perform and complete in a good and workmanlike manner to the satisfaction of City, all the Work called for in the Contract Documents entitled:

CARLSON DRIVE REHABILITATION PROJECT (PN:R15200035)

Including the Work called for in the following alternative bid items described in the Proposal Form:

NOT APPLICABLE

Contractor agrees to perform such Work in the manner designated in and in strict conformity with the Contract Documents.

5. CONTRACT AMOUNT AND PAYMENTS

City agrees to pay and Contractor agrees to accept, as complete payment for the above Work, in accordance with the schedule and procedures set forth in the Contract Documents and subject to deductions, withholdings and additions as specified in the Contract Documents, a total sum that shall not exceed \$ **523,626.00** , as set forth in Contractor's Proposal Form. In addition, subject to deductions, withholdings and additions as specified in the Contract Documents, payment for individual items of the Work shall be computed as follows:

- A. For items of the Work for which a lump sum price is specified in Contractor's Proposal Form, Contractor shall be paid the lump sum price(s) specified in Contractor's Proposal Form; and

- B. For items of the Work for which a unit price is specified in Contractor's Proposal Form, Contractor shall be paid the sum computed at such unit price, or computed at a different price if such different price is determined by City in accordance with the Standard Specifications, based on the actual amount of each such item performed and/or furnished and incorporated in the Work; provided that in no event shall the total sum for a unit price item exceed the total bid amount set forth for such item in the Contractor's Proposal Form, unless authorized by Change Order.

6. PROGRESS PAYMENTS

Subject to the terms and conditions of the Contract, City shall cause payments to be made upon demand of Contractor as follows:

- A. On or about the first of the month, the Engineer, as defined in section 1-25 of the Standard Specifications ("Engineer"), shall present to the Contractor a statement, which may be in the form of a Project Progress Payment Application, showing the amount of labor and materials incorporated in the Work through the twentieth (20) calendar day of the preceding month. After both Contractor and Engineer approve and execute the statement in writing, and the City's labor compliance officer provides written approval, the City shall issue a certificate for payment of ninety-five (95) percent of the amount in the statement it shall find to be due, subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations.
- B. Contractor's written approval and execution of the statement shall contain a signed certification under penalty of perjury under the Laws of the State of California that all items, units, prices, and quantities listed in the monthly estimate are correct, and that all Work has been performed, and materials supplied in full accordance with the conditions of applicable laws, rules, and regulations, and the Contract Documents.
- C. No inaccuracy or error in said monthly statements or estimates shall operate to release Contractor from damages arising from such Work or from enforcement of each and every provision of the Contract Documents, and City shall have the right subsequently to correct any error made in any statement, certificate, or estimate for payment.
- D. Contractor shall not be paid for any defective or improper Work.
- E. The remaining five (5) percent of the value of the Work performed under the Contract, if unencumbered and subject to any deductions or withholdings authorized or required under the Contract or any applicable Laws or Regulations, shall be released not later than sixty (60) days after completion and final acceptance of the Work by City. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the City arising under the Contract Documents, except for disputed claims in stated amounts that the Contractor specifically reserves in writing, but only to the extent that the Contractor has complied with all procedures and requirements applicable to the presentation and

processing of such claim(s) under the Contract Documents. Contractor shall be entitled to substitute securities for retention or to direct that payments of retention be made into escrow, as provided in Public Contract Code Section 22300, upon execution of the City's Escrow Agreement for Security Deposits in Lieu of Retention.

- F. The parties agree that, for purposes of the timely progress payment requirements specified in Public Contract Code Section 20104.50, the date that the City receives a statement jointly approved by the Contractor and the Engineer as provided above shall be deemed to constitute the date that City receives an undisputed and properly submitted payment request from the Contractor. Progress payments not made within 30 days after this date may be subject to payment of interest as provided in Public Contract Code Section 20104.50.
- G. This Contract is subject to compliance monitoring and enforcement by the California Department of Industrial Relations, as specified in California Labor Code section 1771.4.

7. PUBLIC WORKS REQUIREMENTS

- A. Payment of Prevailing Wages: Contractor and any subcontractor(s) performing any Public Work shall comply with the provisions of Sacramento City Code section 3.60.180 and applicable provisions of the California Labor Code, which require, among other things, that Contractor and all subcontractors pay not less than the prevailing rate of wages, as determined by the Director of the California Department of Industrial Relations ("DIR") in accordance with California Labor Code section 1773. Contractor and every subcontractor shall maintain payroll records and submit certified payrolls and other labor compliance documentation electronically when and as required by CITY. In addition, Labor Code Section 1771.4 requires the Contractor and any subcontractor performing any Public Work to furnish electronic payroll records directly to the Labor Commissioner. Contractor shall include these requirements in every subcontract.

This Agreement is subject to compliance monitoring and enforcement by the DIR, as specified in California Labor Code section 1771.4. The Contractor and any subcontractor will be subject to withholding and penalties for violation of prevailing wage requirements in accordance with applicable law, including Labor Code Sections 1726, 1741, 1771.5, and 1775, and City Code Section 3.60.180. Questions regarding the City's Labor Compliance Program should be directed to the City Representative.

- B. DIR Registration: California Labor Code Section 1725.5 requires the Contractor and all subcontractors performing Public Works services to be currently registered with the DIR, as specified in California Labor Code Section 1725.5. California Labor Code Section 1771.1 provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the California Public Contract Code), or engage in the performance of any contract for

Public Work, unless currently registered and qualified to perform Public Work in accordance with California Labor Code Section 1725.5.

Further information can be found on DIR's website at <http://www.dir.ca.gov/Public-Works/Contractors.html>. The above summary is provided solely for informational purposes and does not in any way affect the Contractor's and subcontractors' obligation to comply in all respects with all other applicable laws and regulations. The Contractor shall disseminate these provisions to all subcontractors.

Before the performance of work by Contractor or any subcontractor(s) under this Contract, Contractor shall furnish Contractor's and any subcontractors' current DIR registration number(s). The Contractor's current DIR registration number and the current DIR registration number of all subcontractors will be listed on the Subcontractor and LBE Participation Verification Form, incorporated herein.

- C. Workers' Compensation Certification. In accordance with California Labor Code Section 1861, by signing this Contract, Contractor acknowledges and represents that Contractor is aware of the provisions of section 3700 of the California Labor Code which requires every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and that Contractor will comply with the provisions of the Labor Code before commencing performance under this Contract.
- D. Apprentices. If this Contract is for the performance of any Public Work, and the amount of the Contract is \$30,000 or more, the Contractor and any subcontractors performing any Public Work under this Contract must comply with and be subject to enforcement under, the provisions of Sacramento City Code Section 3.60.190, Section 1777.5 et seq. of the California Labor Code, and implementing regulations set forth in Title 8 of the California Code of Regulations, governing the employment of apprentices. The Contractor and any subcontractors performing Public Work will be subject to penalties for apprenticeship violations in accordance with Labor Code Section 1777.7.
- E. Working Hours. If this Contract is for the performance of any Public Work, Contractor and any subcontractors performing any Public Work under this Contract must comply with and be subject to enforcement under, the provisions of Sacramento City Code Section 3.60.180 and California Labor Code Section 1810 et seq., governing the working hours of employees performing Public Work.
- F. Failure to Comply with Labor Compliance. If all applicable labor compliance requirements are not met, the City will have the right to withhold or reject a payment request and/or invoice, in whole or in part, without in any way relieving Contractor or its subcontractors of any obligations under this Contract.
- G. Subcontractors. The Contractor shall include these provisions A through F in every subcontract or sub-agreement for any subcontractors performing work under this Contract.

8. PERFORMANCE AND PAYMENT BONDS

Contractor must provide a Performance Bond and a Payment Bond to the City, each for a sum equal to one-hundred percent (100%) of the Contract amount. Each Bond shall be executed by a surety insurer admitted and duly authorized to transact business in the State of California. If the amount of this Contract is increased, Contractor shall increase the amount of the Performance and/or Payment bond if and to the extent required by the City.

9. RETENTION OF SUMS CHARGED AGAINST CONTRACTOR

When, under the provisions of this Contract or any applicable Laws or Regulations, City is authorized or required to withhold, deduct or charge any sum of money against Contractor, City may deduct and retain the amount of such charge from the amount of the next succeeding progress estimate(s), or from any other moneys due or that may become due Contractor from City. If, on completion or termination of the Contract, sums due Contractor are insufficient to pay City's charges, City shall have the right to recover the balance from Contractor or its Sureties.

10. COMMENCEMENT AND PROSECUTION OF WORK

Contractor shall commence the Work not later than fifteen (15) working days after the date of the written Notice to Proceed from City to Contractor and shall diligently prosecute the Work to final completion. The phrase "commence the Work" means to engage in a continuous program on-site including, but not limited to, site clearance, grading, dredging, land filling and the fabrications, erection, or installation of the Work. The Notice to Proceed shall be issued within fifteen (15) calendar days following execution of the Agreement by the City and the filing by Contractor of the required Bonds and proof of insurance, provided that the Engineer may delay issuance of the Notice to Proceed if the Engineer determines in the Engineer's sole discretion that conditions on the site of the Work are unsuitable for commencement of the Work. After the Notice to Proceed is issued, the continuous prosecution of Work by Contractor shall be subject only to Excusable Delays as defined in this Agreement.

11. TIME OF COMPLETION

The entire Work shall be brought to completion in the manner provided for in the Contract Documents on or before **25 WORKING** days from the date of the Notice to Proceed (hereinafter called the "Completion Date") unless extensions of time are granted in accordance with the Contract Documents.

Failure to complete the entire Work by the Completion Date and in the manner provided for in the Contract Documents shall subject Contractor to liquidated damages as provided in this Agreement. Time is and shall be of the essence in the performance of the Contract and the Work.

12. PAYMENTS DO NOT IMPLY ACCEPTANCE OF WORK

The payment of any progress payment, or the acceptance thereof by Contractor, shall not constitute acceptance of the Work or any portion thereof and shall in no way reduce the liability of Contractor to replace unsatisfactory work or material, whether or not the unsatisfactory character of such work or material was apparent or detected at the time such payment was made.

13. ACCEPTANCE NOT RELEASE

Contractor shall correct immediately any defective or imperfect work or materials that may be discovered before final acceptance of the entire Work, whether or not such defect or imperfection was previously noticed or identified by the City. The inspection of the Work, or any part thereof, shall not relieve Contractor of any of its obligations to perform satisfactory work as herein specified.

Failure or neglect on the part of City or any of its officers, employees or authorized agents to discover, identify, condemn or reject defective or imperfect work or materials shall not be construed to imply an acceptance of such work or materials, if such defect or imperfection becomes evident at any time prior to final acceptance of the entire Work, nor shall such failure or neglect be construed as barring City from enforcing Contractor's warranty(ies) or otherwise recovering damages or such a sum of money as may be required to repair or rebuild the defective or imperfect work or materials whenever City may discover the same, subject only to any statutes of limitation that may apply to any such claim.

14. CITY'S RIGHT TO TAKE POSSESSION OF THE WORK IN WHOLE OR IN PART

The City shall have the right at any time to enter upon the Work and perform work not covered by this Contract, or to occupy and use a portion of the Work, prior to the date of the final acceptance of the Work as a whole, without in any way relieving Contractor of any obligations under this Contract.

15. NO WAIVER OF REMEDIES

Neither the inspection by City, its officers, employees or agents, nor any certificate or other approval for the payment of money, nor any payment for, nor acceptance of the whole or any part of the Work by City, nor any extensions of time, nor any position taken by City, its officers, employees or its agents shall operate as a waiver of any provision of the Contract Documents nor of any power herein reserved to City or any right to damages herein provided, nor shall any waiver of any breach of this Agreement be held to be a waiver of any other or subsequent breach. All remedies provided in the Contract Documents shall be taken and construed as cumulative; in addition to each and every other remedy herein provided, the City shall have any and all equitable and legal remedies that it would in any case have.

16. WARRANTY

Except as otherwise expressly provided in the Contract Documents, and excepting only items of routine maintenance, ordinary wear and tear and unusual abuse or neglect by City, Contractor warrants and guarantees all Work executed and all supplies, materials and devices of whatsoever nature incorporated in or attached to the Work, or otherwise provided as a part of the Work pursuant to the Contract, to be absolutely free of all defects of workmanship and materials for a period of one year after final acceptance of the entire Work by the City. Contractor shall repair or replace all work or material, together with any other work or material that may be displaced or damaged in so doing, that may prove defective in workmanship or material within this one year warranty period without expense or charge of any nature whatsoever to City.

In the event that Contractor shall fail to comply with the conditions of the foregoing warranty within ten (10) days after being notified of the defect in writing, City shall have the right, but shall not be obligated, to repair, or obtain the repair of, the defect and Contractor shall pay to City on demand all costs and expense of such repair. Notwithstanding anything herein to the contrary, in the event that any defect in workmanship or material covered by the foregoing warranty results in a condition that constitutes an immediate hazard to public health or safety, or any property interest, or any person, City shall have the right to immediately repair, or cause to be repaired, such defect, and Contractor shall pay to City on demand all costs and expense of such repair. The foregoing statement relating to hazards to health, safety or property shall be deemed to include both temporary and permanent repairs that may be required as determined in the sole discretion and judgment of City.

In addition to the above, the Contractor shall make a written assignment of all manufacturer's and other product warranties to the City, prior to completion and final acceptance of the Work by City.

The Contractor's Performance Bond shall secure the performance of the Contractor's obligations under this Section 16, and the Contractor and its Surety shall be jointly and severally liable for these obligations.

17. LIQUIDATED DAMAGES IF WORK NOT COMPLETED ON TIME

- A. The actual fact of the occurrence of damages and the actual amount of the damages that City would suffer if the entire Work, and/or any specified portion thereof, were not completed within the time(s) specified herein are dependent upon many circumstances and conditions that could prevail in various combinations, and for this reason, it is impracticable and extremely difficult to fix the actual damages. Damages that City would suffer in the event of such delay include: loss of the use of the project; expenses of prolonged assignment to the project of an architectural and/or engineering staff; prolonged costs of administration, inspection, and supervision;

increased operational expenses and/or impaired operation of other facilities dependent upon completion of the project; and the loss and inconvenience suffered by the public within the City of Sacramento by reason of the delay in the completion of the project or portion thereof. Accordingly, the parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the amount(s) set forth herein as liquidated damages reflect the parties' best efforts at the time of entering into the Contract to estimate the damages that may be incurred by City and the public due to the Contractor's delay in completion of the Work and/or any specified portion thereof, and shall be presumed to be the amount of damages sustained by the failure of Contractor to complete the entire Work and/or any specified portion thereof within the time(s) specified herein.

- B. Contractor shall pay liquidated damages to City for failure to complete the entire Work by the Completion Date (as extended in accordance with the Contract Documents, if applicable) in the amount of **\$ 3,600** for each calendar day after the Completion Date (as extended in accordance with the Contract Documents, if applicable), continuing to the time at which the entire Work is completed. Such amount is the actual cash value agreed upon by the City and Contractor as the loss to City and the public resulting from Contractor's default.

The parties agree, and by execution of this Agreement, Contractor acknowledges that it understands and agrees, that the foregoing provisions provide for the imposition of liquidated damages from the Completion Date (as extended in accordance with the Contract Documents, if applicable) until the date of completion of the entire Work as determined by the Engineer in accordance with Section 8-4 of the Standard Specifications, whether or not the Work or any portion thereof is claimed or determined to be substantially complete prior to such date of completion.

- C. In the event Contractor shall become liable for liquidated damages, City, in addition to all other remedies provided by law, shall have the right to withhold any and all payments that otherwise would be or become due Contractor until the liability of Contractor under this section is finally determined. City shall have the right to use and apply such payments, in whole or in part, to reimburse City for all liquidated damages due or to become due to City. Any remaining balance of such payments shall be paid to Contractor only after discharge in full of all liability incurred by Contractor under this section or otherwise under any provision of the Contract Documents or any applicable Law or Regulation. If the sum so retained by City is not sufficient to discharge all such liabilities of Contractor, Contractor shall continue to remain liable to City until all such liabilities are satisfied in full. No failure by City to withhold any payment as specified above shall in any manner be construed to constitute a release of any such liabilities nor a waiver of the City's right to withhold payment for such liabilities.

18. INDEMNITY AND HOLD HARMLESS

- A. Contractor shall defend, hold harmless and indemnify the City, its officers, employees, and agents, and each and every one of them, from and against any and all actions, damages, costs, liabilities, claims, demands, losses, judgments, penalties, costs and expenses of every type and description, whether arising on or off the site of the Work, including, but not limited to, any fees and/or costs reasonably incurred by City's staff attorneys or outside attorneys and any fees and expenses incurred in enforcing this provision (hereafter collectively referred to as "Liabilities"), including but not limited to Liabilities arising from personal injury or death, damage to personal, real or intellectual property or the environment, contractual or other economic damages, or regulatory penalties, arising out of or in any way connected with performance of or failure to perform the Work by the Contractor, any subcontractor or agent, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, whether or not (i) such Liabilities are caused in part by a party indemnified hereunder, or (ii) such Liabilities are litigated, settled or reduced to judgment; provided that the foregoing indemnity does not apply to liability for damages for death or bodily injury to persons, injury to property, or other loss, damage or expense to the extent arising from (i) the sole negligence or willful misconduct of, or defects in design furnished by, City, its agents, servants, or independent contractors who are directly responsible to City, or (ii) the active negligence of City.
- B. The existence or acceptance by City of any of the insurance policies or coverages described in this Agreement shall not affect or limit any of City's rights under this Section 18, nor shall the limits of such insurance limit the liability of Contractor hereunder. The provisions of this Section 18 shall survive any expiration or termination of the Contract.

19. CONTRACTOR SHALL ASSUME RISKS

Until the completion and final acceptance by City of all Work under this Contract, the Work shall be under Contractor's responsible care and charge, and Contractor, at no cost to City, shall rebuild, repair, restore and make good all injuries, damages, re-erectations, and repairs occasioned or rendered necessary by accidental causes of any nature, to all or any portions of the Work.

20. GENERAL LIABILITY OF CONTRACTOR

Except as otherwise herein expressly stipulated, Contractor shall perform all the Work and furnish all the labor, materials, tools, equipment, apparatus, facilities, transportation, power and light, and appliances, necessary or proper for performing and completing the Work herein required in the manner and within the time herein specified. The mention of any specific duty or liability of Contractor shall not be construed as a limitation or restriction of any general liability or duty of Contractor, and any reference to any specific duty or liability shall be construed to be solely for the purpose of explanation.

21. INSURANCE

During the entire term of the Contract, Contractor shall maintain the insurance coverage described in this Section 21.

Full compensation for all premiums that Contractor is required to pay for the insurance coverage described herein shall be included in the compensation specified for the Work performed by Contractor under this Contract. No additional compensation will be provided for Contractor's insurance premiums. Any available insurance proceeds in excess of the specified minimum limits and coverages shall be available to the City.

If the Contractor maintains broader coverage and/or higher limits than the minimums shown below, the City requires and shall be entitled to the broader coverage and/or the higher limits maintained by the Contractor. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the City.

A. Minimum Scope & Limits of Insurance Coverage

- (1) Commercial General Liability Insurance is required providing coverage at least as broad as ISO CGL Form 00 01 on an occurrence basis for bodily injury, including death, of one or more persons, property damage, and personal injury, arising out of activities performed by or on behalf of Contractor and its subcontractors, products and completed operations of Contractor and its subcontractors, and premises owned, leased, or used by Contractor and its subcontractors, with limits of not less than two million dollars (\$2,000,000) per occurrence. The policy shall provide contractual liability and products and completed operations coverage for the term of the policy. If a general aggregate limit applies, either the general aggregate limit shall apply separately (ISO CG 25 03 or 25 04) or the general aggregate limit shall be twice the required occurrence limit.

The City, its officials, employees and volunteers shall be covered by policy terms or endorsement as additional insureds as respects general liability arising out of: activities performed by or on behalf of Contractor and subcontractors; products and completed operations of Contractor and subcontractors; and premises owned, leased, or used by Contractor and subcontractors.

- (2) Automobile Liability Minimum Scope and Limits of Insurance Coverage.
(Check the applicable provision)

X Automobile Liability Insurance is required providing coverage at least as broad as ISO Form CA 00 01 for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than one million dollars (\$1,000,000) per occurrence. The policy shall provide coverage

for owned, non-owned and/or hired autos as appropriate to the operations of the Contractor.

The City, its officials, employees and volunteers shall be covered by policy terms or endorsement as additional insureds as respects auto liability.

_____ No automobile liability insurance is required, and by signing this Contract, Contractor certifies as follows:

“Contractor certifies that a motor vehicle will not be used in the performance of any work or services under this agreement. If, however, Contractor does transport items under this Contract, or this Contract is amended to require any employees of Contractor to use a vehicle to perform services under the Contract, Contractor understands that it must maintain and provide evidence of Automobile Liability Insurance providing coverage at least as broad as ISO Form CA 00 01 for bodily injury, including death, of one or more persons, property damage and personal injury, with limits of not less than one million dollars (\$1,000,000) per occurrence. The policy shall provide coverage for owned, non-owned and/or hired autos as appropriate to the operations of the Contractor.”

- (3) Excess Insurance: The Contractor may use Umbrella or Excess Policies to meet the required liability limits. This form of insurance will be acceptable provided that any umbrella or excess policies provide all of the insurance coverages required and meet the other requirements for the primary policies as set forth in this Agreement. Umbrella and/or Excess policies shall be provided on a true “following form” or broader coverage basis, with coverage at least as broad as provided in the underlying primary policy.

Umbrella or excess policies shall contain, or be endorsed to provide that the City, its officials, employees, and volunteers shall be covered as additional insureds, as well as a provision that it will apply on a primary basis for the benefit of the City. Any insurance or self-insurance maintained by City, its officials, employees, or volunteers will be in excess of Contractor's umbrella or excess coverage and will not contribute to it. No insurance or self-insurance maintained by the City that applies to a loss covered herein, whether Primary or Excess, and which also applies to a loss covered hereunder, shall be called upon to contribute to a loss until the Contractor's Primary and Excess liability policies are exhausted.

(4) Workers' Compensation Minimum Scope and Limits of Insurance Coverage. *(Check all applicable provisions)*

- X Workers' Compensation Insurance is required with statutory limits and Employers' Liability Insurance with limits of not less than one million dollars (\$1,000,000). The Workers' Compensation policy shall include a waiver of subrogation in favor of the City.
- No work or services will be performed on or at CITY facilities or CITY Property, therefore a Workers' Compensation waiver of subrogation in favor of the CITY is not required.
- No Workers' Compensation insurance is required, and by signing this Contract, Contractor certifies as follows:
- “Contractor certifies that its business has no employees, and that it does not employ anyone, and is therefore exempt from the legal requirements to provide Workers' Compensation insurance. If, however, Contractor hires any employee during the term of this Contract, Contractor understands that Workers' Compensation with statutory limits and Employer's Liability Insurance with a limit of not less than one million dollars (\$1,000,000) is required. The Workers' Compensation policy will include a waiver of subrogation in favor of the City.”

B. Other Insurance Provisions

The policies are to contain, or be endorsed to contain, the following provisions:

- (1) Contractor's insurance coverage, including excess insurance, shall be primary and non-contributory insurance as respects City, its officials, employees, and volunteers. Any insurance or self-insurance maintained by City, its officials, employees, or volunteers will be in excess of Contractor's insurance and will not contribute with it.
- (2) Any failure to comply with reporting provisions of the policies will not affect coverage provided to City, its officials, employees, or volunteers.
- (3) Coverage shall state that Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- (4) City will be provided with thirty (30) days written notice of cancellation or material change in the policy language or terms.

C. Waiver of Subrogation.

Contractor hereby grants to City a waiver of any right to subrogation which any insurer may acquire against the City by virtue of the payment of any loss under such insurance. Contractor agrees to obtain any endorsement that may be necessary to affect this waiver of subrogation, but this provision applies regardless of whether or not the City has received a waiver of subrogation endorsement from an insurer.

D. Acceptability of Insurance

Insurance shall be placed with insurers with a Bests' rating of not less than A:VI. Self-insured retentions, policy terms or other variations that do not comply with the requirements of this Section 21 must be declared to and approved by the City in writing prior to execution of this Contract.

E. Verification of Coverage

(1) Contractor shall furnish City with certificates and required endorsements evidencing the insurance required. Copies of policies shall be delivered to the City on demand. Certificates of insurance must be signed by an authorized representative of the insurance carrier. Copies of policies shall be delivered to the City Representative on demand.

(2) Contractor shall send all insurance certificates and endorsements, including policy renewals, during the term of this Contract directly to:

City of Sacramento
c/o Exigis LLC
PO Box 947
Murrieta, CA 92564

(3) Certificate Holder must be listed as:

City of Sacramento
c/o Exigis LLC
PO Box 947
Murrieta, CA 92564

(4) The City may withdraw its offer of contract or cancel this Contract if the certificates of insurance and endorsements required have not been provided prior to execution of this Contract. The City may withhold payments to Contractor or cancel the Contract if the insurance is canceled or Contractor otherwise ceases to be insured as required herein.

F. Subcontractors

Contractor shall require and verify that all subcontractors maintain insurance coverage that meets the minimum scope and limits of insurance coverage specified in this Section 21.

22. FAILURE TO MAINTAIN BONDS OR INSURANCE

If, at any time during the performance of this Contract, Contractor fails to maintain any item of the bonds and/or insurance required under the Contract in full force and effect, Contractor shall immediately suspend all work under the Contract and notify City in writing of such failure. After such notice is provided, or if City discovers such failure and notifies Contractor, the City thereafter may withhold all Contract payments due or that become due until notice is received by City that such bonds and/or insurance have been restored in full force and effect and that the premiums therefor have been paid for a period satisfactory to the Division of Risk Management. Contractor shall not resume work until notified by City to do so, and the City shall have no responsibility or liability for any costs incurred by Contractor as a result of such suspension of Work.

In addition to the foregoing, any failure to maintain any item of the required bonds and/or insurance at any time during the performance of this Contract will be sufficient cause for termination of the Contract by City.

The Contractor shall be solely responsible for, and shall defend, indemnify and hold harmless the City, its officers, employees and agents against and from, any and all damages, claims, losses, actions, costs or other expenses of any kind incurred by any party as a direct or indirect result of any suspension of Work or termination of the Contract under the provisions of this Section 22.

23. EXCUSABLE DELAYS

For the purpose of these Contract Documents, the term "Excusable Delay" shall mean, and is limited to, delay caused directly by: acts of God; acts of a public enemy; fires; inclement weather as determined by the Engineer; riots; insurrections; epidemics; quarantine restrictions; strikes; lockouts; sitdowns; acts of a governmental agency; priorities or privileges established for the manufacture, assemble, or allotment of materials necessary in the Work by order, decree or otherwise of the United States or by any department, bureau, commission, committee, agent, or administrator of any legally constituted public authority; changes in the Work ordered by City insofar as they necessarily require additional time in which to complete the Work; the prevention of Contractor from commencing or prosecuting the Work because of the acts of others, excepting Contractor's subcontractors or suppliers; or the prevention of Contractor from commencing or prosecuting the Work because of a Citywide failure of public utility service.

The term "Excusable Delay" shall specifically not include: (i) any delay that could have been avoided by the exercise of care, prudence, foresight and diligence on the part of Contractor; (ii) any delay in the prosecution of any part of the Work that does not constitute a Controlling

Operation, whether or not such delay is unavoidable; (iii) any reasonable delay resulting from time required by City for review of any Contractor submittals and for the making of surveys, measurements and inspection; and, (iv) any delay arising from an interruption in the prosecution of the Work on account of reasonable interference by other Contractors employed by City that does not necessarily prevent the completion of the entire Work within the time specified. Excusable Delays, if any, shall operate only to extend the Completion Date (not in excess of the period of such delay as determined by City) and shall not under any circumstances increase the amount City is required to pay Contractor except as otherwise provided in these Contract Documents.

24. CONTRACTOR TO SERVE NOTICE OF DELAYS

Whenever Contractor foresees any delay in the prosecution of the Work, and in any event as soon as possible (not to exceed a period of ten (10) calendar days) after the initial occurrence of any delay that Contractor regards as or may later claim to be an Excusable Delay, the Contractor shall notify the Engineer in writing of such delay and its cause, in order that the Engineer: (i) may take immediate steps to prevent if possible the occurrence or continuance of the delay; or (ii) if this cannot be done, may determine whether the delay is to be considered excusable, how long it continues, and to what extent the prosecution and completion of the Work are delayed thereby. Said written notice shall constitute an application for an extension of time only if the notice requests such an extension and sets forth the Contractor's estimate of the additional time required together with a full description of the cause of the delay relied upon.

After the completion of any part or whole of the Work, the Engineer, in estimating the amount due Contractor, will assume that any and all delays that may have occurred in its prosecution and completion were not Excusable Delays, except for such delays for which the Contractor has provided timely written notice as required herein, and that the Engineer has found to be excusable. Contractor shall not be entitled to claim Excusable Delay for any delay for which the Contractor failed to provide such timely written notice.

25. EXTENSION OF TIME

If the Contractor complies with Section 24, above, and the Engineer finds a delay claimed by the Contractor to be an Excusable Delay, the Contractor shall be allowed an extension of time to complete the Work that is proportional to the period of Excusable Delay determined by the Engineer, subject to the approval by City of a change order granting such time extension. During a duly authorized extension for an Excusable Delay, City shall not charge liquidated damages against the Contractor for such delay.

If the City extends the time to complete the Work as provided herein, such extension shall in no way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such extension of time relieve or release the sureties of the Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such extension of time. The

granting of any extension of time as provided herein shall in no way operate as a waiver on the part of City of its rights under this Contract, excepting only extension of the Completion Date for such period of Excusable Delay as may be determined by the Engineer and approved by a duly authorized change order.

26. NO PAYMENT FOR DELAYS

No damages or compensation of any kind shall be paid to Contractor or any subcontractor because of delays in the progress of the Work whether or not such delays qualify for extension of time under this Agreement; except that this provision shall not preclude the recovery of damages for a delay caused by the City that is unreasonable under the circumstances and that is not within the contemplation of the parties, provided that the Contractor timely submits all such written notice(s) and fully complies with such other procedures as may be specified in the Contract Documents or any Laws or Regulations for Contractor to claim damages for such delay.

27. CHANGES IN THE WORK

Changes in the Work authorized or directed in accordance with the Contract Documents and extensions of time of completion made necessary by reason thereof shall not in any way release any warranty or guarantee given by Contractor pursuant to the provisions of the Contract Documents, nor shall such changes in the Work relieve or release the Sureties on Bonds provided pursuant to the Contract Documents. By executing such Bonds, the Sureties shall be deemed to have expressly agreed to any such change in Work and to any extension of time made by reason thereof.

28. TERMINATION AFTER COMPLETION DATE

In addition to any other rights City may have, if any services or work required under the Contract (including but not limited to punch list items) are not completed as of the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), City may terminate the Contract at any time after the Completion Date (as adjusted by any extensions of time for Excusable Delays granted pursuant to the Contract Documents), by providing a written notice to Contractor specifying the date of termination. Such notice also may specify conditions or requirements that Contractor must meet to avoid termination of the Contract on such date. If Contractor fails to fulfill all such conditions and requirements by such termination date, or, if no such conditions or requirements are specified, Contractor shall cease rendering services and performing work on such termination date, and shall not be entitled to receive any compensation for services rendered or work performed after such termination date. In the event of such termination, Contractor shall remain liable to City for liquidated damages incurred for any period of time prior to the termination date.

In addition to any other charges, withholdings or deductions authorized under the Contract or any Laws or Regulations, if City terminates the Contract pursuant to this section, City may withhold and deduct from any payment and/or retention funds otherwise due Contractor any sum necessary to pay the City's cost of completing or correcting, or contracting for the

completion or correction of, any services or work under the Contract that are not completed to the satisfaction of the City or that otherwise are deficient or require correction as of such termination date, including but not limited to incomplete punch list items. Such costs shall include all of the City's direct and indirect costs incurred to complete or correct such services or work, including the City's administrative and overhead costs. If the amount of payment(s) and/or retention funds otherwise due the Contractor are insufficient to pay such costs, City shall have the right to recover the balance of such costs from the Contractor and/or its Surety(ies).

29. TERMINATION FOR CONVENIENCE

Upon written notice to the Contractor, the City may at any time, without cause and without prejudice to any other right or remedy of the City, elect to terminate the Contract for the convenience of City. In such case, the Contractor shall be paid (without duplication of any items, and after deduction and/or withholding of any amounts authorized to be deducted or withheld by the Contract Documents or any Laws or Regulations):

- A. For Work executed in accordance with the Contract Documents prior to the effective date of termination and determined to be acceptable by the Engineer, including fair and reasonable sums for overhead and profit on such Work;
- B. For reasonable claims, costs, losses, and damages incurred in settlement of terminated contracts with subcontractors, suppliers, and others; and
- C. For reasonable expenses directly attributable to termination.

Contractor shall not be paid for any loss of anticipated profits or revenue for any Work not performed prior to termination, nor for any economic loss arising out of or resulting from such termination, except for the payments listed in this section. Contractor's warranty under Section 16 of this Agreement shall apply, and Contractor shall remain responsible for all obligations related to such warranty, with respect to all portions of the Work performed prior to the effective date of the termination for convenience pursuant to this section. The City shall be entitled to have any or all remaining Work performed by other contractors or by any other means at any time after the effective date of a termination for convenience pursuant to this section.

30. TERMINATION FOR BREACH OF CONTRACT

If Contractor abandons the Work under this Contract, or if the Contract or any portion of the Contract is sublet or assigned without the consent of the City, or if the Engineer determines in the Engineer's sole discretion that the conditions of the Contract in respect to the rate of progress of the Work are not being fulfilled or any part thereof is unnecessarily delayed, or if Contractor violates or breaches, or fails to execute in good faith, any of the terms or

conditions of the Contract, or if Contractor refuses or fails to supply enough properly skilled labor or materials or refuses or fails to make prompt payment to subcontractors for material or labor, or if Contractor disregards any Laws or Regulations or proper instruction or orders of the Engineer, then, notwithstanding any provision to the contrary herein, the City may give Contractor and its Sureties written notification to immediately correct the situation or the Contract shall be terminated.

In the event that such notice is given, and, in the event such situation is not corrected, or arrangements for correction satisfactory to the City are not made, within ten (10) calendar days from the date of such notice or within such other period of time as may be specified by the City in the notice, the Contract shall upon the expiration of said period cease and terminate. In the event of any such termination, City may take over the Work and prosecute the Work to completion, or otherwise, and the Contractor and its Sureties shall be liable to City for any cost occasioned City thereby, as hereinafter set forth.

In the event City completes the Work, or causes the Work to be completed, no payment of any kind shall be made to Contractor until the Work is complete. The cost of completing the Work, including but not limited to, extra costs of project administration and management incurred by City, both direct or indirect, shall be deducted from any sum then due, or that becomes due, to Contractor from City. If sums due to Contractor from City are less than the cost of completing the Work, Contractor and its Sureties shall pay City a sum equal to this difference on demand. In the event City completes the Work, and there is a sum remaining due to Contractor after City deducts the costs of completing the Work, then City shall pay such sum to Contractor. The Contractor and Contractor's Sureties shall be jointly and severally liable for all obligations imposed on Contractor hereunder.

No act by City before the Work is finally accepted, including, but not limited to, exercise of other rights under the Contract, actions at law or in equity, extensions of time, payments, assessments of liquidated damages, occupation or acceptance of any part of the Work, waiver of any prior breach of the Contract or failure to take action pursuant to this section upon the happening of any prior default or breach of Contractor, shall be construed to be a waiver or estoppel of the City's right to act pursuant to this Section upon any subsequent event, occurrence or failure by Contractor to fulfill the terms and conditions of the Contract. The rights of City to terminate the Contract pursuant to this Section and pursuant to Sections 28 and 29 are cumulative and are in addition to all other rights of City pursuant to the Contract and at law or in equity.

31. CONTRACTOR BANKRUPT

If Contractor should commence any bankruptcy proceeding, or if Contractor is adjudged a bankrupt, or if Contractor makes any assignment for the benefit of creditors, or if a receiver is appointed on account of Contractor's insolvency, then the City may, without prejudice to any other right or remedy, terminate the Contract and complete the work by giving notice as provided in Section 30 above.

32. SURETIES' OBLIGATIONS UPON TERMINATION

If the City terminates the Contract pursuant to Section 30 or Section 31 above:

- A. The Surety under Contractor's performance bond shall be fully responsible for all of the Contractor's remaining obligations of performance under the Contract as if the Surety were a party to the Contract, including without limitation Contractor's obligations, as provided in the Contract Documents, to complete and provide a one-year warranty of the entire Work, pay liquidated damages and indemnify, defend and hold harmless City, up to the full amount of the performance bond.
- B. The Surety under Contractor's payment bond shall be fully responsible for the performance of all of the Contractor's remaining payment obligations for work, services, equipment or materials performed or provided in connection with the Work or any portion thereof, up to the full amount of the payment bond.

33. ACCOUNTING RECORDS OF CONTRACTOR

During performance of the Contract and for a period of three (3) years after completing the entire Work, Contractor shall maintain all accounting and financial records related to the Contract and performance of the Work in accordance with generally accepted accounting practices, and shall keep and make such records available for inspection and audit by representatives of the City upon reasonable written notice.

34. REPRESENTATIVES OF THE PARTIES.

A. City Engineer.

- (1) The Engineer for this Contract is:

Sabrina Martin / Project Manager

915 I Street, Sacramento, CA 95814

Phone 916.808.7804 / Email: SMartin@cityofsacramento.org

- (2) All Contractor questions and correspondence pertaining to this Contract must be addressed to the Engineer. In the event the City hires a third-party consultant to assist with construction management, the Engineer may direct Contractor to copy such consultant on questions and correspondence, but such a request does not constitute a delegation of authority to the third-party consultant to serve as the Engineer (i.e., any alterations, deviations, additions to, or deletions from the Work or any of the Contract Documents, must be authorized by the Engineer, not a third-party consultant, pursuant to a properly executed change order).

B. Contractor Representative.

- (1) The Contractor Representative for this Contract is:

/ **Project Manager**
1012 11th St, Ste 1000, Modesto, CA 95354
Phone 209-522-2277 / Email

- (2) All City questions pertaining to the Contract shall be referred to the Contractor Representative. All correspondence to Contractor shall be addressed to the Contractor Representative.

- C. Notice. Whenever the Contract Documents require that notice be provided to the other party, notice will be deemed to have been validly given: (i) if delivered in person to the individual intended to receive such notice; (ii) four (4) days after being sent by registered or certified mail, postage prepaid to the address indicated in the Contract; or (iii) if transmitted by email, by the time stated on the intended recipient's email.

35. USE TAX REQUIREMENTS

During the performance of this Agreement, Contractor, for itself, its assignees and successors in interest, agrees as follows:

- A. Use Tax Direct Payment Permit: For all leases and purchases of materials, equipment, supplies, or other tangible personal property used to perform the Agreement and shipped from outside California, the Contractor and any subcontractors leasing or purchasing such materials, equipment, supplies or other tangible personal property shall obtain a Use Tax Direct Payment Permit from the California State Board of Equalization ("SBE") in accordance with the applicable SBE criteria and requirements.
- B. Sellers Permit: For any construction contract and any construction subcontract in the amount of \$5,000,000 or more, Contractor and the subcontractor(s) shall obtain sellers permits from the SBE and shall register the jobsite as the place of business for the purpose of allocating local sales and use tax to the City. Contractor and its subcontractors shall remit the self-accrued use tax to the SBE, and shall provide a copy of each remittance to the City.
- C. The above provisions shall apply in all instances unless prohibited by the funding source for the Agreement.

36. NON-DISCRIMINATION IN EMPLOYEE BENEFITS

This Agreement may be subject to the requirements of Sacramento City Code Chapter 3.54, Non-Discrimination in Employee Benefits by City Contractors. The Contract Documents include a summary of the requirements of Sacramento City Code Chapter 3.54, entitled "Requirements of the Non-Discrimination in Employee Benefits Code." By signing this Agreement, Contractor acknowledges and represents that Contractor has

read and understands these requirements and agrees to fully comply with all applicable requirements of Sacramento City Code Chapter 3.54. If requested by City, Contractor agrees to promptly provide such documents and information as may be required by City to verify Contractor's compliance. Any violation by Contractor of Sacramento City Code Chapter 3.54 constitutes a material breach of this Agreement, for which the City may terminate the Agreement and pursue all available legal and equitable remedies.

37. CONSIDERING CRIMINAL CONVICTION INFORMATION IN THE EMPLOYMENT APPLICATION PROCESS

This Agreement may be subject to the requirements of Sacramento City Code Chapter 3.62, Procedures for Considering Criminal Conviction Information in the Employment Application Process. The Contract Documents include a summary of the requirements of Sacramento City Code Chapter 3.62, entitled "Ban-The-Box Requirements." By signing this Agreement, Contractor acknowledges and represents that Contractor has read and understands these requirements and agrees to fully comply with all applicable requirements of Sacramento City Code Chapter 3.62. If requested by City, Contractor agrees to promptly provide such documents and information as may be required by City to verify Contractor's compliance. Any violation by Contractor of Sacramento City Code Chapter 3.62 constitutes a material breach of this Agreement, for which the City may terminate the Agreement and pursue all available legal and equitable remedies. Contractor agrees to require its subcontractors to fully comply with all applicable requirements of Sacramento City Code Chapter 3.62, and include these requirements in all subcontracts covered by Sacramento City Code Chapter 3.62.

38. DEBARMENT CERTIFICATION

A. Pursuant to 2 CFR, Part 200, and applicable Executive Orders, the City is restricted in its ability to contract with certain parties that are debarred, suspended, or otherwise excluded or ineligible for participating in Federal assistance programs or activities. By signing this Agreement, CONTRACTOR warrants and certifies under penalty of perjury under the laws of the State of California that Contractor, including any owner, partner, director, officer, or principal of the CONTRACTOR, or any person in a position with management responsibility or responsibility for the administration of federal funds:

- (1) Is not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any federal or state department/agency;
- (2) Has not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction or contract (federal, state, or local); violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of

records, making false statements, receiving stolen property, or other criminal felony;

- (3) Is not presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (b) above; or
- (4) Has not, within a three-year period preceding this certification, had one or more public contracts (federal, state, or local) or transactions terminated for cause or default.
- (5) Has not been notified, within a three-year period preceding this certification, been notified of any delinquent Federal taxes in an amount that exceeds \$3,500 for which the liability remains unsatisfied. Federal taxes are considered delinquent if the tax liability has been finally determined and the taxpayer is delinquent in making payment, as defined in Section 52.209-5 of the Federal Acquisition Regulations.

- B. Contractor further warrants and certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from covered transactions by any federal or state department/agency. Any exceptions to the warranties and certifications in this Section must be disclosed to the City.
- C. Exceptions will not necessarily result in denial of recommendation for award, but will be considered in determining Contractor's responsibility. Disclosures must indicate to whom exceptions apply, the initiating agency, and dates of action.
- D. City will review the Federal Government's System for Award Management Exclusions maintained by the General Services Administration for eligibility, prior to the execution of this Agreement. The Contractor shall provide immediate written notice to the City if, at any time prior to execution, the Contractor learns this certification is erroneous or has become erroneous by reason of changed circumstances. If it is later determined that the Contractor's warranties and certification in this Section were erroneous, the City may terminate this Agreement for default.

39. **COMMUNITY WORKFORCE TRAINING AGREEMENT** *(Check below if the engineer's estimate of the total construction cost of the project or the actual cumulative bid amounts submitted by Contractor exceed \$1,000,000.)*

— The work to be completed under this Agreement is subject to the City's Community Workforce Training Agreement ("CWTA") and CWTA Program. A copy of the CWTA and summary of its requirements are attached hereto as Exhibit X.

Prior to executing this Agreement, Contractor has executed Addendum A to the CWTA. All subcontractors (listed or hired after the time of bid or award) must also execute Addendum A to the CWTA prior to performing any Work.

Contractor must include the provisions of this section, as well as a copy of Exhibit X, in every subcontract for Work covered by the CWTA.

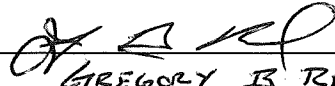
Failure to sign and submit Addendum A shall be grounds for subcontractor substitution and/or for the City to withhold payment for the Work performed in the absence of the necessary Addendum A. Failure to satisfy the requirements of the CWTA and demonstrate a good faith effort to meet any Local Hire and Priority Apprentice Goals (if applicable), may result in a determination that the Contractor does not meet the City's minimum qualifications to bid on future projects for the City of Sacramento.

IN WITNESS WHEREOF, the parties hereto have signed this Agreement on the date set for opposite their names.

CONTRACTOR

Under penalty of perjury, I certify that the taxpayer identification number and all other information provided here are correct.

DATE 6-1-2024

BY 
Print Name GREGORY B REED

Title PRESIDENT

BY 
Print Name David Stanley

Title Vice President

1000000207

DIR Registration #

30-0602049

Federal ID#

State ID#

City of Sacramento Business Operation Tax
Certificate No. (City will not award contract until
Certificate Number is obtained)

Type of Business Entity (check one):

- ☐ Individual/Sole Proprietor
☐ Partnership
☒ Corporation
☐ Limited Liability Company
☐ Other (please specify: _____)

CITY OF SACRAMENTO

a municipal corporation

DATE 06/22/2026

Original Approved As To Form:


Michael Fry (Jun 22, 2026 13:52:21 PDT)

City Attorney

**CITY OF SACRAMENTO
PAYMENT BOND**

Department of Public Works
Page 1 of 1

Bond No.: 30271332

Premium: Premium Included in
Performance Bond

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to: **American Pavement Systems, Inc.**, 1012 11th St, Ste 1000, Modesto, CA 95354 as principal, hereinafter called **Contractor**, a contract for construction of:

**Carlson Drive Rehabilitation Project
(PN: R15200035)**

Which contract is by reference incorporated herein and made a part hereof, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract and pursuant to Chapter 5 of Title 3 of Part 6 of Division 4 of the California Civil Code (commencing with Civil Code Section 9550), Contractor is required to furnish a good and sufficient payment bond to secure payment of the claims to which reference is made in Civil Code Section 9554.

NOW, THEREFORE, we the Contractor and (*here insert full name and address of Surety*):

Western Surety Company, 2121 N. California Blvd., Ste. 760, Walnut Creek, CA 94596,
a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, and unto all persons or entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions in the sum of **FIVE HUNDRED TWENTY THREE THOUSAND SIX HUNDRED TWENTY SIX DOLLARS (\$ 523,626.00)**, on the condition that if Contractor shall fail to pay for any materials or equipment furnished or used in performance of the Contract, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board or the Employment Development Department from the wages of employees of the Contractor and all subcontractors with respect to such work or labor, then the Surety shall pay the same in an amount not exceeding the sum specified above. If suit is brought upon this bond, Surety shall pay, in addition to the above sum, all costs, expenses and fees, including attorney's fees, reasonably incurred by any party in successfully enforcing the obligation secured hereby, all to be taxed as costs and included in any judgment rendered. Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect, and shall bind Contractor, Surety, their heirs, executors, administrators, successors and assigns, jointly and severally.

It is hereby stipulated and agreed that this bond shall inure to the benefit of all persons, companies, corporations, political subdivisions, State agencies and other entities entitled to assert a claim against a payment bond under any of the aforesaid Civil Code provisions, so as to give a right of action to them or their assigns in any suit brought upon this bond. The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on June 1, 20 26.

American Pavement Systems, Inc.

(Contractor) (Seal)

By [Signature]
Title David Finley, Vice President

ORIGINAL APPROVED AS TO FORM:

[Signature]
Michael Fry (Jun 22, 2026 13:52:21 PDT)
City Attorney

Western Surety Company

(Surety) (Seal)

By [Signature]
Title: Attorney-in-Fact, Yvonne Roncagliolo
Agent name and Address: Gallagher Brokerage
& Insurance Solutions, Inc.
2121 N. California Blvd., Ste. 350, Walnut Creek, CA 94596
Agent Phone #: 415-399-6349
Surety Phone #: 415-932-7079
California License #: 0329598

CALIFORNIA CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Stanislaus)

On 09/08/2024 before me, Tiffany Lee, Notary Public,
(here insert name and title of the officer)

personally appeared Darrel Pimley

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Tiffany Lee



(Seal)

Optional Information

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____

containing _____ pages, and dated _____

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
☐ Attorney-in-Fact
☐ Corporate Officer(s) _____ Title(s) _____

- ☐ Guardian/Conservator
☐ Partner - Limited/General
☐ Trustee(s)
☐ Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:

☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:

Page # _____ Entry # _____

Notary contact: _____

Other

☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

☐ _____

CALIFORNIA ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Contra Costa }

On 6-1-2020 before me, Christina Parsons, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Yvonne Roncagliolo
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Place Notary Seal and/or Stamp Above

Signature [Signature]
Signature of Notary Public

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Yvonne Roncagliolo

- ☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☒ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

- ☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____

Signer is Representing: _____

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Charles R Shoemaker, Kathleen West, Kelly Holtemann, Mark M Munekawa, Nerissa S Bartolome, Yvonne Roncagliolo, Patrick R Diebel, Karen Rhodes, Valerie Takeuchi, Erica Li, Christina Parsons, Zachary V Overbay, Andrew S Holloway, Rossio Polio, Lucy M Dunham, Christopher M Howell, Nathalia P Sholl, Jacquelin Muro Silva, Keith Lovitt, Individually

of San Francisco, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 20th day of February, 2026.



WESTERN SURETY COMPANY

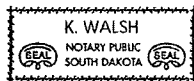
Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 20th day of February, 2026, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

December 4, 2031



K. Walsh, Notary Public

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Laws and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 1st day of June, 2026.



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.

**CITY OF SACRAMENTO
PERFORMANCE BOND**

Department of Public Works
Page 1 of 1

Bond No.: 30271332
Premium: \$1,833.00

WHEREAS, the City of Sacramento, State of California, hereinafter called City, has conditionally awarded to: **American Pavement Systems, Inc.**, 1012 11th St, Ste 1000, Modesto, CA 95354 as principal, hereinafter called **Contractor**, a contract for construction of:

**Carlson Drive Rehabilitation Project
R15200035**

which contract is by reference incorporated herein and made a part hereof as if the Surety named below were a party to the contract, and is hereinafter referred to as the Contract; and

WHEREAS, under the terms of the Contract, Contractor is required to furnish a bond for the faithful performance of the Contract.

NOW, THEREFORE, we the Contractor and *(here insert full name and address of Surety):*

Western Surety Company, 2121 N. California Blvd., Ste. 760, Walnut Creek, CA 94596

a corporation duly authorized and admitted to transact business and issue surety bonds in the State of California, hereinafter called Surety, are held and firmly bound unto the City, as obligee, in the sum of: **FIVE HUNDRED TWENTY THREE THOUSAND SIX HUNDRED TWENTY SIX DOLLARS (\$ 523,626.00)**, or the payment of which sum well and truly to be made, we the Contractor and Surety bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally. The condition of this obligation is such that, if the Contractor, Contractor's heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and fully perform all covenants, conditions and agreements required to be kept and performed by Contractor in the Contract and any changes, additions or alterations made thereto, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meanings, and shall indemnify and save harmless the City, its officers, employees and agents, as therein provided, then the Surety's obligations under the Contract and this bond shall be null and void; otherwise they shall be and remain in full force and effect. This obligation shall remain in full force and effect through the end of the Contract warranty period, which will expire one year after the completion of work date specified in the Notice of Completion filed for the above-named project.

As part of the obligations secured hereby and in addition to the sum specified above, there shall be included all costs, expenses and fees, including attorney's fees, reasonably incurred by City in successfully enforcing such obligations, all to be taxed as costs and included in any judgment rendered.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract or to the work to be performed thereunder or to the specifications accompanying the same shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension, alteration or addition.

IN WITNESS WHEREOF, this instrument has been duly executed by authorized representatives of the Contractor and Surety. SIGNED AND SEALED on June 1, 20 26.

American Pavement Systems, Inc.

(Contractor) (Seal)

By

Title David Pinsky, Vice President

ORIGINAL APPROVED AS TO FORM:

Michael Fry (Sun 22, 2026 13:52:21 PDT)

City Attorney

Western Surety Company

(Surety) (Seal)

By

Title Attorney-in-Fact, Yvonne Roncagliolo

Agent Name and Address Gallagher Brokerage & Insurance Solutions, Inc.

2121 N. California Blvd., Ste. 350, Walnut Creek, CA 94596

Agent Phone # 415-399-6349

Surety Phone # 415-932-7079

California License # 0329598

CALIFORNIA CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Stanislaus)

On 06/08/2024 before me, Tiffany Lee, Notary Public,
(here insert name and title of the officer)

personally appeared David Pimley

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature Tiffany Lee



(Seal)

Optional Information

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____

containing _____ pages, and dated _____

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
☐ Attorney-in-Fact
☐ Corporate Officer(s) _____ Title(s) _____

- ☐ Guardian/Conservator
☐ Partner - Limited/General
☐ Trustee(s)
☐ Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:

- ☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:

Page # _____ Entry # _____

Notary contact: _____

Other

- ☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

☐ _____

CALIFORNIA ACKNOWLEDGMENT

CIVIL CODE § 1189

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California

County of Contra Costa }

On 6-1-2024 before me, Christina Parsons, Notary Public
Date Here Insert Name and Title of the Officer

personally appeared Yvonne Roncagliolo
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.



I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature [Signature]
Signature of Notary Public

Place Notary Seal and/or Stamp Above

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: Yvonne Roncagliolo

- ☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☒ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____

Signer is Representing: _____

Signer's Name: _____

- ☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator
☐ Other: _____

Signer is Representing: _____

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Charles R Shoemaker, Kathleen West, Kelly Holtemann, Mark M Munekawa, Nerissa S Bartolome, Yvonne Roncagliolo, Patrick R Diebel, Karen Rhodes, Valerie Takeuchi, Erica Li, Christina Parsons, Zachary V Overbay, Andrew S Holloway, Rossio Polio, Lucy M Dunham, Christopher M Howell, Nathalia P Sholl, Jacquelin Muro Silva, Keith Lovitt, Individually

of San Francisco, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 20th day of February, 2026.



WESTERN SURETY COMPANY

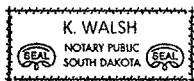
Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 20th day of February, 2026, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

December 4, 2031



K. Walsh, Notary Public

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Laws and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 1st day of June, 2026.



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

5/29/2026

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION** IS **WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Gallagher Brokerage & Insurance Solutions, Inc. 50 California St Floor 12 San Francisco CA 94111	CONTACT NAME: WS Certificates PHONE (A/C, No, Ext): 415-391-2141 FAX (A/C, No): E-MAIL ADDRESS: certrequests@ajg.com
INSURED American Pavement Systems, Inc. 1012 11th St. Suite 1000 Modesto, CA 95354	INSURER(S) AFFORDING COVERAGE INSURER A: National Union Fire Ins Co Pittsburgh, PA INSURER B: Navigators Specialty Insurance Company INSURER C: Great American Insurance Company INSURER D: INSURER E: INSURER F:

License#: 0329598
AMERPAV-01**COVERAGES** **CERTIFICATE NUMBER:** 1258026022 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR ☒ \$0 Deductible GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PRO-JECT ☐ LOC ☒ OTHER: Railroad Protect	Y		4693522	3/1/2026	3/1/2027	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 25,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY ☒ CompDed \$250 ☒ CollDed \$250	Y		5425650	3/1/2026	3/1/2027	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
C	☐ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE ☐ DED ☒ RETENTION \$ 10,000	Y		TUU435802404	3/1/2026	3/1/2027	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000 \$
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y	N/A	15852318	3/1/2026	3/1/2027	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 2,000,000 E.L. DISEASE - EA EMPLOYEE \$ 2,000,000 E.L. DISEASE - POLICY LIMIT \$ 2,000,000
B	Pollution Liability			SF26ECPZ04L8FIC	3/1/2026	3/1/2027	Each Incident: \$1,000,000 Aggregate: \$1,000,000 Deductible: \$10,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Excess Liability provides follow-form coverage over the underlying General Liability, Automobile Liability and Employer's Liability policies.
Excluded from Workers Compensation: Greg Reed and Marc Bertsch
RE: CONTRACT NAME: Carlson Drive Rehabilitation Project | Project Number: R15200035 | Job #: 26-330

The City, its officials, employees and volunteers are included as additional insured as respects General Liability, Auto Liability and Umbrella Liability to the extent provided in the attached forms. Coverage is Primary and Non-Contributory. Waiver of Subrogation applies as respects Workers Compensation to the extent provided in the attached forms and as permitted by law.

CERTIFICATE HOLDER **CANCELLATION**

City of Sacramento c/o Exigis LLC PO Box 947 Murrieta, CA 92564	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Gallagher Brokerage & Insurance Solutions, Inc.</i>
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ENDORSEMENT

This endorsement, effective 12:01 A.M. 03/01/2026

forms a part of Policy No. 542-56-50

issued to **AMERICAN PAVEMENT SYSTEMS, INC.**

by **NATIONAL UNION FIRE INSURANCE COMPANY OF PITTSBURGH, PA.**

INSURANCE PRIMARY AS TO CERTAIN ADDITIONAL INSURED

This endorsement modifies insurance provided under the following:

BUSINESS AUTO COVERAGE FORM

Section IV - Business Auto Conditions, B., General Conditions, 5., Other Insurance, c., is amended by the addition of the following sentence:

The insurance afforded under this policy to an additional insured will apply as primary insurance for such additional insured where so required under an agreement executed prior to the date of accident. We will not ask any insurer that has issued other insurance to such additional insured to contribute to the settlement of loss arising out of such accident.

All other terms and conditions remain unchanged.



Authorized Representative or
Countersignature (in States Where
Applicable)

POLICY NUMBER: 469-35-22

COMMERCIAL GENERAL LIABILITY
CG 20 10 12 19

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

**ADDITIONAL INSURED - OWNERS, LESSEES OR
CONTRACTORS - SCHEDULED PERSON OR
ORGANIZATION**

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location(s) Of Covered Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.
Information required to complete this Schedule, if not shown above, will be shown in the Declarations.	

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury", "property damage" or "personal and advertising injury" caused, in whole or in part, by:

1. Your acts or omissions; or
2. The acts or omissions of those acting on your behalf;

in the performance of your ongoing operations for the additional insured(s) at the location(s) designated above.

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following additional exclusions apply:

This insurance does not apply to "bodily injury" or "property damage" occurring after:

1. All work, including materials, parts or equipment furnished in connection with such work, on the project (other than service,

maintenance or repairs) to be performed by or on behalf of the additional insured(s) at the location of the covered operations has been completed; or

2. That portion of "your work" out of which the injury or damage arises has been put to its intended use by any person or organization other than another contractor or subcontractor engaged in performing operations for a principal as a part of the same project.

C. With respect to the insurance afforded to these additional insureds, the following is added to **Section III – Limits Of Insurance:**

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS - COMPLETED OPERATIONS

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

SCHEDULE

Name Of Additional Insured Person(s) Or Organization(s)	Location And Description Of Completed Operations
ANY PERSON OR ORGANIZATION WHOM YOU BECOME OBLIGATED TO INCLUDE AS AN ADDITIONAL INSURED AS A RESULT OF ANY CONTRACT OR AGREEMENT YOU HAVE ENTERED INTO.	PER THE CONTRACT OR AGREEMENT.

Information required to complete this Schedule, if not shown above, will be shown in the Declarations.

A. Section II – Who Is An Insured is amended to include as an additional insured the person(s) or organization(s) shown in the Schedule, but only with respect to liability for "bodily injury" or "property damage" caused, in whole or in part, by "your work" at the location designated and described in the Schedule of this endorsement performed for that additional insured and included in the "products-completed operations hazard".

However:

1. The insurance afforded to such additional insured only applies to the extent permitted by law; and
2. If coverage provided to the additional insured is required by a contract or agreement, the insurance afforded to such additional insured will not be broader than that which you are required by the contract or agreement to provide for such additional insured.

B. With respect to the insurance afforded to these additional insureds, the following is added to Section III – Limits Of Insurance:

If coverage provided to the additional insured is required by a contract or agreement, the most we will pay on behalf of the additional insured is the amount of insurance:

1. Required by the contract or agreement; or
2. Available under the applicable limits of insurance;

whichever is less.

This endorsement shall not increase the applicable limits of insurance.

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

PRIMARY AND NONCONTRIBUTORY - OTHER INSURANCE CONDITION

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART
LIQUOR LIABILITY COVERAGE PART
PRODUCTS/COMPLETED OPERATIONS LIABILITY COVERAGE PART

The following is added to the **Other Insurance** Condition and supersedes any provision to the contrary:

Primary And Noncontributory Insurance

This insurance is primary to and will not seek contribution from any other insurance available to an additional insured under your policy provided that:

(1) The additional insured is a Named Insured under such other insurance; and

(2) You have agreed in writing in a contract or agreement that this insurance would be primary and would not seek contribution from any other insurance available to the additional insured.

GAI 6079
(Ed. 10 98)

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

ADDITIONAL INSURED LIMITATION

Section **V - DEFINITION F. "Insured,"** Paragraph 5 is deleted and replaced by the following:

5. Any person or organization, other than the Named Insured, included as an additional "Insured" solely by virtue of an "Insured Contract," and to which coverage is provided by the "underlying insurance," and for no broader coverage than is provided by the "underlying insurance" to such additional "Insured." The Limits of Insurance applicable to the additional "Insured" are the lesser of those specified in the Declarations of this policy or those specified in the "insured contract" less the applicable "underlying insurance." The Limits of Insurance applicable to the additional "Insured" are included within, and not in addition to, the Limits of Insurance shown in the Declarations.

This Endorsement does not change any other provision of the policy.

BLANKET WAIVER OF OUR RIGHT TO RECOVER FROM OTHERS ENDORSEMENT

This endorsement changes the policy to which it is attached effective on the inception date of the policy unless a different date is indicated below.

(The following "attaching clause" need be completed only when this endorsement is issued subsequent to preparation of the policy).

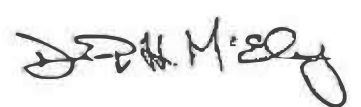
This endorsement, effective 12:01 AM 03/01/2026 forms a part of Policy No. WC 015-85-2318

Issued to AMERICAN PAVEMENT SYSTEMS, INC.

By NATIONAL UNION FIRE INSURANCE COMPANY OF PITTSBURGH, PA.

We have a right to recover our payments from anyone liable for an injury covered by this policy. We will not enforce our right against any person or organization with whom you have a written contract that requires you to obtain this agreement from us, as regards any work you perform for such person or organization.

The additional premium for this endorsement shall be 2.00 % of the total estimated workers compensation premium for this policy.



GUARANTEE

We hereby guarantee the **Carlson Drive Rehabilitation Project (PN: R15200035)** for the City of Sacramento for one (1) year in accordance with the guarantee required in the specifications. We agree to repair or replace any or all such work, together with all or any other work which may be displaced in so doing, that may be proven defective in workmanship or material within the one-year period from the date of acceptance without any expense whatsoever to the City, ordinary wear and tear and unusual abuse or neglect excepted.

In the event of our failure to comply with the above-mentioned conditions within five (5) days time after being notified in writing, we collectively or separately, do hereby authorize the City to proceed to have the defects repaired and made good at our expense and will pay the costs and damages, including but not limited to any related attorney fees and City staff and administrative expenses, therefor immediately upon demand.

Dated: 6/15/2026

Signed: 

David Dimley, Vice President
Printed Name

American Pavement Systems, Inc
Company

1012 11th St., Ste. 1000
Address

Modesto, Ca 95354

WORKER'S COMPENSATION CERTIFICATION

Carlson Drive Rehabilitation Project, R15200035

In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2 of the Labor Code, the below certificate must be signed and filed with the awarding body prior to performing any work under this contract. Labor Code Section 3700, inter alia, states the following:

"Every employer shall secure the payment of compensation in one or more of the following ways:

- "(a) By being insured against liability to pay compensation in one or more insurers duly authorized to write compensation insurance in this State.
- "(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his employees.

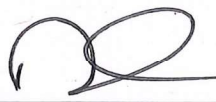
To be signed by authorized corporate officer or partner or individual submitting the Proposal. If Bidder is: (example)

1. An individual using a firm name, sign: "John Doe, an individual doing business as Blank Company."
2. An individual doing business under his own name, Sign: your name only.
3. A co-partnership, sign: "John Doe and Richard Doe, co-partners doing business as Blank Company, by, John Doe, co-partner.
4. A corporation, sign: "Blank Company, by John Doe, Secretary." (or other title)

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract.

DATE: 6/15/2026

Contractor American Pavement Systems, Inc

By 

Signature

David Pinley, Vice President

Search By: Business Name

Enter value to search american pavement

Search Business

SITE NAVIGATION

Business Operations Tax

Looking for a Business

Business Improvement
Area

Cannabis Business Tax

Different Types of
Businesses

Renew Your Business
Operations Tax Account

BUSINESS OPERATION TAX INFORMATION

Business Name	Business Description	Close Date	Action
AMERICAN PAVEMENT SYSTEMS INC	Contractors - Construction		Business C

Account Number	1044963
Business Name	AMERICAN PAVEMENT SYSTEMS INC
Business Description	Contractors - Construction
Business Start Date	4/6/2020
Close Date	
Current Expire Date	3/31/2027
Current License Status	Active
Location Street Number	1012
Location Direction	
Location Street Name	11TH
Location Street Type	ST
Location Unit	# 1000
Location City	MODESTO
Location State	CA
Location Zip code	95354 - 0842
Mail Street Number	1012
Mail Street Direction	
Mail Street name	11TH
Mail Unit	# 1000
Mail City	MODESTO
Mail State	CA
Mail Zip code	95354 - 0842
Primary Phone number	(209) 522-2277
Principal Owner First name	GREGORY
Principal Owner Last Name	REED
Mail Street Type	ST

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**Request for Taxpayer
Identification Number and Certification**

Go to www.irs.gov/FormW9 for instructions and the latest information.

**Give form to the
requester. Do not
send to the IRS.**

Before you begin. For guidance related to the purpose of Form W-9, see *Purpose of Form*, below.

Print or type. See Specific Instructions on page 3.	1 Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the owner's name on line 1, and enter the business/disregarded entity's name on line 2.) American Pavement Systems, Inc.	
	2 Business name/disregarded entity name, if different from above.	
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. ☐ Individual/sole proprietor ☐ C corporation ☒ S corporation ☐ Partnership ☐ Trust/estate ☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership) _____ Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner. ☐ Other (see instructions) _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any) _____ (Applies to accounts maintained outside the United States.)
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification, and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, check this box if you have any foreign partners, owners, or beneficiaries. See instructions _____ ☐	
	5 Address (number, street, and apt. or suite no.). See instructions. 1012 11th Street, Suite 1000	Requester's name and address (optional)
	6 City, state, and ZIP code Modesto, CA 95354	
7 List account number(s) here (optional)		

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. See also *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
			-			-			
or									
Employer identification number									
3	0	-	0	6	0	2	0	4	9

Part II Certification

Under penalties of perjury, I certify that:

- The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- I am not subject to backup withholding because (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- I am a U.S. citizen or other U.S. person (defined below); and
- The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and, generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person <i>Maggie Rasmussen</i>
------------------	--

Date 01/08/2026

General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they



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1000000207 - AMERICAN PAVEMENT SYSTEMS INC

1000000207 - AMERICAN PAVEMENT SYSTEMS INC

Customer Account Lookup

PWCR

1000000207

Contractor Status

DIR Approved

CSLB

Business Phone

2095222277

Ext

Registration Start Date

2025-07-01

Legal Entity Name

AMERICAN PAVEMENT SYSTEMS INC

Doing Business As (DBA)

American Pavement Systems Inc.

Business Structure

Corporation - C corp

President

Greg Reed

Email

paguirre@americanpavementsystems.com

Registration End Date

2027-06-30

Crafts

Operating Engineer Laborer and Related Classifications

Parking and Highway Improvement (Striping, Slurry and Seal Coat Operations-Laborer)

Traffic Control/Lane Closure (Laborer) LABORER

Operating Engineer (Heavy and Highway Work) Slurry Seal Worker (Laborer)

Driver (On/Off Hauling) Driver (On/Off-Hauling to/from Construction Site)

Teamster (Work on a construction site)

Address

Mailing Address

1012 11TH ST STE 1000

Mailing Address - City

MODESTO

Mailing Address - State

CA

Mailing Address - Zip

95354

Mailing Address - Country

United States

Physical Address

Physical Address - City

Physical Address - State

Physical Address - Zip

Physical Address - Country

Related Lists

Registration Dates 8



CONTRACTORS STATE LICENSE BOARD

▼ Contractor's License Detail for License # 943792

DISCLAIMER: A license status check provides information taken from the CSLB license database. Before relying on this information, you should be aware of the following limitations.

- ▶ CSLB complaint disclosure is restricted by law ([B&P 7124.6](#)) If this entity is subject to public complaint disclosure click on link that will appear below for more information. Click [here](#) for a definition of disclosable actions.
- ▶ Only construction related civil judgments reported to CSLB are disclosed ([B&P 7071.17](#)).
- ▶ Arbitrations are not listed unless the contractor fails to comply with the terms.
- ▶ Due to workload, there may be relevant information that has not yet been entered into the board's license database.

Data current as of 5/26/2026 9:27:40 AM

Business Information

AMERICAN PAVEMENT SYSTEMS INC
1012 11TH STE STE 100
MODESTO, CA 95354
Business Phone Number:(209) 522-2277

Entity Corporation
Issue Date 02/24/2010
Expire Date 02/29/2028

License Status

This license is current and active.

All information below should be reviewed.

Classifications

- ▶ [A - GENERAL ENGINEERING](#)
- ▶ [C31 - CONSTRUCTION ZONE TRAFFIC CONTROL](#)

Bonding Information

Contractor's Bond

This license filed a Contractor's Bond with [WESTERN SURETY COMPANY](#) .

Bond Number: 30265583
Bond Amount: \$25,000
Effective Date: 02/03/2026
[Contractor's Bond History](#)

Bond of Qualifying Individual

The qualifying individual GREGORY BRIEN REED certified that he/she owns 10 percent or more of the voting stock/membership interest of this company; therefore, the Bond of Qualifying Individual is not required.

Effective Date: 02/27/2026
[BQI's Bond History](#)

This license has workers compensation insurance with the [NATIONAL UNION FIRE INSURANCE](#)

[COMPANY OF PITTSBURGH, PA](#)

Policy Number:15852318

Effective Date: 03/01/2026

Expire Date: 03/01/2027

[Workers' Compensation History](#)

Workers' compensation classification code(s):

5506 - Street/Road Construction-paving

For a description of the workers' compensation classification code(s) listed for this licensee, contact the licensee's insurance carrier. Contact information for the licensee's insurer is available by clicking the insurer link above. Classification codes are also available on the Workers' Compensation Insurance Rating Bureau's classification search page.

The board does not verify or investigate the accuracy of classification codes displayed.

Other

- ▶ Personnel listed on this license (current or disassociated) are listed on other licenses.

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AMERICAN PAVEMENT SYSTEMS, INC.

Unique Entity ID EF2WVUFVA5K3	CAGE / NCAGE 7AZB2	Purpose of Registration All Awards
Registration Status Active Registration	Expiration Date Jan 20, 2027	
Physical Address 1012 11TH ST STE 1000 Modesto, California 95354-0846 United States	Mailing Address 1012 11TH ST STE 1000 Modesto, California 95354-0846 United States	

Business Information

Doing Business as AMERICAN PAVEMENT SYSTEMS INC	Division Name American Pavement Systems, Inc.	Division Number (blank)
Congressional District California 05	State / Country of Incorporation California / United States	URL (blank)

Registration Dates

Activation Date Jan 22, 2026	Submission Date Jan 20, 2026	Initial Registration Date Jan 26, 2015
--	--	--

Entity Dates

Entity Start Date Jan 29, 2010	Fiscal Year End Close Date Dec 31
--	---

Immediate Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Highest Level Owner

CAGE (blank)	Legal Business Name (blank)
------------------------	---------------------------------------

Executive Compensation

Registrants in the System for Award Management (SAM) respond to the Executive Compensation questions in accordance with Section 6202 of P.L. 110-252, amending the Federal Funding Accountability and Transparency Act (P.L. 109-282). This information is not displayed in SAM. It is sent to USAspending.gov for display in association with an eligible award. Maintaining an active registration in SAM demonstrates the registrant responded to the questions.

Proceedings Questions

Registrants in the System for Award Management (SAM.gov) respond to proceedings questions in accordance with FAR 52.209-7, FAR 52.209-9, or 2. C.F.R. 200 Appendix XII. Their responses are displayed in the responsibility/qualification section of SAM.gov. Maintaining an active registration in SAM.gov demonstrates the registrant responded to the proceedings questions.

Exclusion Summary

Active Exclusions Records?

N

SAM Search Authorization

I authorize my entity's non-sensitive information to be displayed in SAM public search results:

Yes

Entity Types

Business Types

Entity Structure Corporate Entity (Not Tax Exempt)	Entity Type Business or Organization	Organization Factors Subchapter S Corporation
Profit Structure For Profit Organization		

Socio-Economic Types

Check the registrant's Reps & Certs, if present, under FAR 52.212-3 or FAR 52.219-1 to determine if the entity is an SBA-certified HUBZone small business concern. Additional small business information may be found in the SBA's Dynamic Small Business Search if the entity completed the SBA supplemental pages during registration.

Financial Information

Accepts Credit Card Payments
No

Debt Subject To Offset
No

EFT Indicator
0000

CAGE Code
7AZB2

Points of Contact**Electronic Business**

👤
David G Pimley, Vice President

1012 11TH Street STE 1000
Modesto, California 95354
United States

Government Business

👤
David G Pimley, Vice President

1012 11TH Street STE 1000
Modesto, California 95354
United States

Past Performance

👤
David G Pimley, Vice President

1012 11TH Street
Suite 1000
Modesto, California 95354
United States

Service Classifications**NAICS Codes**

Primary
Yes

NAICS Codes
237310

NAICS Title
Highway, Street, And Bridge Construction

Disaster Response

Yes, this entity appears in the disaster response registry.

No, this entity does not require bonding to bid on contracts.

Bonding Levels	Dollars
	(blank)

States
California
Nevada
Washington

Counties
(blank)

Metropolitan Statistical Areas
(blank)

**CONTRACT SPECIFICATIONS
For
CARLSON DRIVE REHABILITATION PROJECT
(R15200035)**

Bid # B26151111020

Bid Ad Date: 04/29/2026

Sabrina Martin, Project Manager
SMartin@cityofsacramento.org

**Bids to be received before
2:00 P.M. May 20, 2026 at:**
Security Desk, 1st Floor (City Clerk in-box)
New City Hall
915 I Street, Sacramento, CA 95814

LBE PROGRAM

For information on meeting the City of Sacramento's Local Business Enterprise (LBE) project goal, please contact Raquel Gonzalez, RAGonzalez@cityofsacramento.org

Estimated Construction Cost: **\$ 776,000** Construction Time: **50 Working Days**

Pre-Bid Meeting: Monday, May 11, 2026, 1:30 PM, via Teams:
<https://teams.microsoft.com/meet/264995029930425?p=wEAegACXBZ2Y1aVnXI>

Bid Opening Information

Bids are to be received by 2:00PM at New City Hall, 915 I Street on the first floor Security Desk.

Bids will be opened virtually at 2:30 via a web meeting.

Join from a PC, Mac, iPad, iPhone or Android device:

Please click this URL to join. <https://cityofsacramento-org.zoom.us/j/93077455918>

Description: This is a reoccurring meeting for the City of Sacramento Bid Opening. Bids received on or before the due date and time scheduled for this date will be read. You may share this appointment/link with any interested parties. Please mute your microphones/phones for the duration of the bid opening/reading. There will be a short period at the end of the call to ask for a repeat of any information.

If you have questions about Bid Openings contact Wendy Klock-Johnson at wkjohnson@cityofsacramento.org ; or 916 808-7509. For questions about specific bids; please contract the listed bid contact directly.

Or One tap mobile:

+16699006833,,93077455918# US (San Jose)

+12532158782,,93077455918# US (Tacoma)

Or join by phone:

Dial(for higher quality, dial a number based on your current location):

US: +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799 or +1 929 205 6099 or +1 301 715 8592 or +1 312 626 6799

Webinar ID: 930 7745 5918

International numbers available: <https://cityofsacramento-org.zoom.us/j/93077455918>

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Sealed Proposals will be received by the City Clerk of the City of Sacramento at the Security Desk, 1st Floor (City Clerk in-box), New City Hall, located at 915 I Street between 9th and 10th Streets, up to the hour of **2:00 PM on May 20, 2026**, and will be opened virtually at 2:30 PM via a web meeting:

**Carlson Drive Rehabilitation Project
(R15200035)**

as set forth in the Contract Documents.

Proposals received and work performed thereunder shall comply with the requirements of Title 3 of the Sacramento City Code. Each Bid Proposal shall be accompanied by bid security of at least 10% of the Bid Proposal which conforms to the requirements of Section 7.0 of the Instructions to Bidders. The right to reject Proposals or to waive any error or omission in any Bid Proposal received is reserved by the City. Signed proposals shall be submitted on the printed forms contained in the Project Manual and enclosed in an envelope marked: Sealed Bid Proposal for:

**Carlson Drive Rehabilitation Project
(R15200035)**

Copies of the Contract Documents are available at Planetbids:

<http://www.planetbids.com/portal/portal.cfm?CompanyID=15300#>

There are no costs to view or download the plans and specifications.

Subcontractors shall comply with the rates of wages currently established by the Director of Industrial Relations under provisions of Sections 1773 of the Labor Code of the State of California, a copy of which is on file in the office of the City Clerk. In accordance with Sacramento City Code Section 3.60.180 and Section 1771.5 of the California Labor Code, the payment of the general prevailing rate of per diem wages or the general prevailing rate of per diem wages for holidays and overtime is not required for any Public Construction project of \$25,000 or less, or Public Maintenance project of \$15,000 or less. The City of Sacramento has an approved Labor Compliance Program. **Electronic Web submittal of Labor Compliance Reports is effective May 1, 2007.** Each contractor and every lower-tier subcontractor are required to submit certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by the City of Sacramento.

Electronic submittal will be a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor will be given a Log On identification and password to access the City of Sacramento reporting system.

Use of the system may entail additional data entry of weekly payroll information including employee identification, labor classification, total hours worked, and hours worked on this project, wage and benefit rates paid, etc. The contractor's payroll and accounting software might be capable of generating a 'comma delimited file' that will interface with the software.

This requirement will be 'flowed down' to every lower-tier subcontractor and vendor required to provide labor compliance documentation.

All questions regarding this Labor Compliance Program should be directed to the department's contracts staff or Contracts Services at (916) 808-1074.

Department of Industrial Relations Registration and Reporting Requirements (SB 854)

Labor Code Section 1725.5 (enacted by SB 854) requires all contractors bidding on this contract, all subcontractors listed in a bid for this contract, and any contractor or subcontractor performing any work under this contract, to be currently registered with the California Department of Industrial Relations (DIR), as specified in Labor Code Section 1725.5. Labor Code Section 1771.1 (enacted by SB 854) provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Every bidding contractor shall list the contractor's current DIR registration number, and the current DIR registration number of all listed subcontractors, on the Subcontractor and Local Business Enterprise (LBE) Participation Verification Form included in the contractor's bid.

Pursuant to Labor Code Section 1771.1(b): (1) any bid received from a contractor that is not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5 **shall be rejected as non-responsive**; and (2) any bid listing one or more subcontractors on the bidder's Subcontractor and Local Business Enterprise (LBE) Participation Verification Form that are not currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5, **shall be rejected as non-responsive**, unless the listing was an inadvertent error and any of the conditions specified in Labor Code Section 1771.1(c) apply.

This contract also is subject to compliance monitoring and enforcement by the DIR. For all contracts awarded on or after April 1, 2015, California Labor Code Section 1771.4 (enacted by SB 854) requires the contractor and all subcontractors to furnish electronic payroll records directly to the Labor Commissioner (in addition to City staff via the City's electronic system).

A Fact Sheet summarizing the provisions of SB 854 is attached. This is provided solely for informational purposes and does not in any way affect the contractor's and subcontractors' obligation to comply in all respects with the provisions of SB 854, including the provisions referenced above, as well as all other applicable laws and regulations.

Pursuant to Sacramento City Code Section 3.60.250, any Agreement awarded pursuant to this Invitation to Bid shall contain a provision permitting the substitution of securities for any monies withheld to ensure performance under the Agreement. The terms of such provisions shall be in accordance with the requirements and the form required by the City.

Bid protests must be filed and maintained in accordance with the provisions of Sections 3.60.460 through 3.60.560 of the Sacramento City Code. Bid protests that do not comply with Sections 3.60.460 through 3.60.560 of the Sacramento City Code shall be invalid and shall not be considered. A bid protest fee of \$750.00 is required at the time of filing to be considered valid in accordance with City of Sacramento Resolution No. 2003-231 dated April 29, 2003. As used herein, the term "bid protest" includes any bid protest that (1) claims that one or more bidders on this contract should be disqualified or rejected for any reason, or (2) contests a City staff recommendation to award this contract to a particular bidder, or (3) contests a City staff recommendation to disqualify or reject one or more bidders on this contract. A copy of Sections 3.60.460 through 3.60.560 of the Sacramento City Code may be obtained from the Project Manager, or from the City Clerk, located at 915 I Street, Sacramento, CA 95814.

NEW PUBLIC WORKS CONTRACTOR REGISTRATION LAW [SB 854]

FACT SHEET

SB 854, a budget trailer bill that was signed into law on June 20, 2014, and became effective immediately, made several significant changes to laws pertaining to the administration and enforcement of prevailing wage requirements by the Department of Industrial Relations (DIR). Among other things, SB 854 established a new public works contractor registration program to replace prior Compliance Monitoring Unit (CMU) and Labor Compliance Program (LCP) requirements for bond-funded and other specified public works projects. The fees collected through this new program will be used to fund all of DIR's public works activities, including compliance monitoring and enforcement, the determination of prevailing wage rates, public works coverage determinations, and hearing enforcement appeals.

Essentials of public works contractor registration program:

- Contractors will be subject to a registration and annual renewal fee that has been set initially at \$400. The fee is non-refundable and applies to all contractors and subcontractors who intend to bid or perform work on public works projects (as defined under the Labor Code).
- Contractors will apply and pay the fee online and must meet minimum qualifications to be registered as eligible to bid and work on public works projects:
 - Must have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.
 - Must have Contractors State License Board license if applicable to trade.
 - Must have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
 - Must not be under federal or state debarment.
 - Must not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12 month period, a contractor may still qualify for registration by paying an additional penalty.
- The registration fee is not related to any project. It is more like a license that enables the registrant to bid on and perform public works.

- DIR will post a list of registered contractors and subcontractors on its website so that awarding bodies and contractors will be able to comply with requirements to only use registered contractors and subcontractors.
- Various protections are built in so that
 - A contractor won't be in violation for working on a private job that is later determined to be public work;
 - The inadvertent listing of an unregistered subcontractor on a bid won't necessarily invalidate that bid;
 - A contract with an unregistered contractor or subcontractor is subject to cancellation but is not void as to past work;
 - An unregistered contractor or subcontractor can be replaced with one who is registered;
 - A contractor whose registration lapses will have a 90 day grace period within which to pay a late fee and renew.
- Registrations will begin after July 1, 2014, once the registration system is ready to go online. The preferred method of payment will be by credit card.
- The requirement to list only registered contractors and subcontractors on bids becomes effective on March 1, 2015. The requirement to only use registered contractors and subcontractors on public works projects applies to all projects awarded on or after April 1, 2015.

Essentials of Public Works Enforcement Fund:

All contractor registration fees will go into the State Public Works Enforcement Fund and be used to fund the following items --

- administration of contractor registration requirement
- all DIR costs for administering and enforcing public works laws
- Labor Commissioner's enforcement of other Labor Code violations on monitored public works projects.

DIR will no longer charge awarding bodies for prevailing wage compliance monitoring and enforcement by the CMU. (*Note: DIR will continue to bill and collect fees from awarding agencies for CMU services provided through June 20, 2014.*)

Related changes in DIR's administration and enforcement of public works requirements:

- Requirements to use CMU or specified alternative (labor compliance program or project labor agreement) for state bond-funded and other specified projects have been eliminated and replaced by requirements that apply to all public works projects (as defined under the Labor Code).
- Awarding bodies are *now* required to submit PWC-100 (contract award notice) for all public works projects. (*This requirement previously applied to about 90% of all projects.*)
- Contractors and subcontractors on *all* public works projects will be required to submit certified payroll records (CPRs) to the Labor Commissioner unless excused from this requirement.
 - This requirement will be phased in as follows:
 - Applies immediately to public works projects that have already been under CMU monitoring, *i.e.* contractors on ongoing projects that have been submitting CPRs to the CMU will continue doing so
 - Will apply to any new projects awarded on or after April 1, 2015
 - May apply to other projects as determined by Labor Commissioner
 - Will apply to all public works projects, new or ongoing, on and after January 1, 2016
 - The Labor Commissioner may make exception to this requirement for
 - Projects covered by qualifying project labor agreement
 - Projects undertaken by one of four remaining awarding bodies with legacy LCPs (Caltrans, City of Los Angeles, County of Sacramento, and Los Angeles Unified School District), so long as those LCPs remain approved by DIR
 - CPRs will be furnished online (as is done currently for CMU). DIR intends to continue making improvements to this process, including creating a means for general contractors to have online access to the CPRs submitted by their subcontractors.
- Requirements for awarding bodies to adopt and enforce a DIR-approved LCP are now limited to: (1) public works projects awarded prior to January 1, 2012 that were under a preexisting LCP requirement; and (2) projects funded in whole or in part by Proposition 84.

REQUIREMENTS FOR THE LOCAL BUSINESS ENTERPRISE PROGRAM (LBE Program)

INTRODUCTION

The City of Sacramento has a Local Business Enterprise (LBE) Program to provide enhanced opportunities for local businesses to participate in the City's procurement and contracting activities. The Program began with an LBE Preference for bid and proposal evaluation. The Program was then expanded to require minimum LBE Participation levels in specific contracts.

APPLICATION

As summarized in the table below, there are two components to the LBE Program:

1. LBE Preference: For certain contracts, a 5% LBE Preference is applied during the bid evaluation process.
2. LBE Participation Requirement: For certain contracts, a minimum 5% LBE participation level is required for a bidder to be considered responsive.

	Contracts Under \$250,000				Contracts \$250,000 or more			
	Goods	Non-Professional Services	Professional Services	Public Projects	Goods	Non-Professional Services	Professional Services	Public Projects
Apply 5% LBE Preference	YES	YES	YES	YES	NO	NO	YES	NO
Apply 5% Minimum LBE Participation Requirement	NO	NO	NO	NO	NO	YES	YES	YES

Local Business Enterprise: A Local Business Enterprise ("LBE") means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a "legitimate business presence" within City limits or the unincorporated area of Sacramento County.

A "legitimate business presence" within City limits or the unincorporated area of Sacramento County means:

1. An established business entity operating within the selected areas for at least 12 consecutive months prior to submission of bid; and

2. Legally operating a location in the City or unincorporated area of Sacramento County that is either:

- a. a principal business office or workspace; or
- b. a regional, branch, or satellite office with at least one full-time employee.

To qualify as an LBE, firms must meet these two requirements prior to the deadline for submission of bids or proposals. Upon the request of the City, firms shall provide proof of legally operating a location within City limits or the unincorporated County with the following documents:

- Tax returns for the business;
- Utility bill in the name of the business;
- Business license; and/or
- Secretary of State filings.

Exceptions

The LBE Program does not apply to procurement processes for contracts funded with federal funds, goods or services purchased through cooperative purchase agreements, or contracts entered into in response to a declared emergency.

LBE PREFERENCE

For contracts under \$250,000, firms that qualify as an LBE will receive a 5% preference on all City procurement opportunities. For professional service contracts only, this preference also applies to procurement opportunities of \$250,000 or more.

For contracts to be awarded in response to a solicitation for bids, a bid or quotation submitted by a firm that qualifies as an LBE will receive a 5% bid evaluation preference for the purpose of determining the lowest responsible bidder. This means that, for bid evaluation purposes, the total price bid by an LBE shall be reduced by 5%. However, this reduction only applies for bid evaluation purposes, and the resulting contract or purchase order will reflect the actual amount bid by the LBE.

For contracts awarded in response to a solicitation for proposals or qualifications, a firm that qualifies as an LBE shall receive additional points during the scoring process, so the final score awarded to the LBE is increased by 5% of the total possible evaluation points.

LBE PARTICIPATION REQUIREMENT

For non-professional service, professional service, and public project contracts of \$250,000 or more, a minimum 5% LBE participation level is required. To receive credit for the 5% minimum

participation requirement, bidders must either (a) be an LBE, or (b) subcontract with a qualified LBE.

Under City Code section 3.60.270, when the City establishes a minimum participation level for LBE's on a contract, no contractor shall be considered responsive unless its bid or proposal meets the minimum LBE participation level required.

City may waive or reduce the LBE Participation requirements on some procurement opportunities prior to acceptance of bids or proposals upon authorization from the City Manager or City Manager's designee.

PARTICIPATION LEVEL REQUIREMENTS

LBE Participation: The percentage of LBE participation is determined based on the dollar value of the work to be performed. LBE credit may be obtained by utilizing LBE qualified subcontractors or suppliers, as outlined below.

Participation Credit: To receive credit for LBE participation:

1. An LBE contractor or subcontractor must: (1) be responsible for the execution of a distinct element of the work; (2) possess any license or certification required for the work; and (3) actually perform, manage, or supervise the work without subcontracting or otherwise shifting any portion of the work to another subcontractor.
2. An LBE supplier must: (1) furnish materials or equipment that the supplier sells as a recurring, although not necessarily primary, part of its business; and (2) the materials or equipment must be necessary for performance of the work.

Suppliers: Credit for an LBE supplier of materials or equipment is counted as 100% of the amount paid to the supplier for the materials or equipment. To receive this credit, LBE Suppliers must be listed on a Subcontractor and LBE Participation Verification Form and submitted with a bid or proposal.

Subcontractors (including Truckers): To receive credit for an LBE subcontractor, the subcontractor must be listed on a Subcontractor and LBE Participation Verification Form and submitted with a bid or proposal.

Truckers: Credit for an LBE trucker is counted as 100% of the amount paid to the trucker for trucking/hauling services, not including any amount paid to the Trucker for the cost of any materials or equipment being transported by the Trucker.

LBE REQUIREMENTS FOR CONTRACTOR

LBE Records: The Contractor shall maintain records of all subcontracts with verified LBE subcontractors and records of materials purchased from verified LBE suppliers for one year after receiving final payment from the City. Such records shall show the name and business address of each LBE subcontractor or supplier and the total dollar amount actually paid to each LBE subcontractor or supplier.

No later than 30 days after completion of the work performed under the contract, a summary of these records shall be prepared, certified correct by the Contractor's authorized representative and furnished to the City. The Contractor shall provide such other information, records, reports, certifications or other documents as may be required by the City, to determine compliance with any provision of the LBE Program or these specifications.

Performance of LBE Subcontractors and Suppliers: The LBE subcontractors and suppliers listed by the Contractor shall perform the work and supply the materials or equipment for which they are listed on the Subcontractor and LBE Participation Verification Form, unless the Contractor has received prior written authorization from the City to perform the work with other forces or to obtain the materials or equipment from other sources. Reasons for requesting such authorization would include:

1. The listed LBE subcontractor or supplier fails to execute a written contract based upon the general terms, conditions, plans, and specifications for the project.
2. The listed LBE subcontractor or supplier becomes bankrupt or insolvent.
3. The listed LBE subcontractor or supplier fails to meet the bond requirements of the Contractor.
4. The work performed or the materials or equipment provided by the listed LBE subcontractor or supplier are unsatisfactory or are not in accordance with the plans and specifications.
5. The listed LBE subcontractor or supplier fails to perform its contractual obligations.
6. It would be in the best interest of the City.

Subcontractor Substitution: No substitution of an LBE subcontractor shall be made at any time without compliance with the Subletting and Subcontracting Fair Practices Act. If an LBE subcontractor is unable to perform successfully and is to be replaced, the Contractor shall make reasonable efforts to replace the original LBE subcontractor with another verified LBE subcontractor. The new LBE subcontractor must be verified at the time of substitution.

Reporting and Utilization Requirements and Sanctions: Failure to provide specific information, records, reports, certifications or any other documents required for compliance with these specifications, or failure to utilize one or more LBE's in substantial compliance with the LBE utilization indicated in the Contractor's bid or proposal (unless otherwise authorized by the City as provided herein, or when such failure results from changes to the work approved by the City), shall be considered a breach of the contract.

A deduction may be made from the contract amount and the deduction shall not be more than 10% of the value of the work or materials or equipment that the subject LBE(s) were listed to perform or provide in the Contractor's bid or proposal. Deduction shall be made from any payment due the Contractor. This is in addition to any deduction that may be made under any other provision of the Contract, the Sacramento City Code, or State law.

Hearing and Review of Division Manager Decision: Prior to making a deduction pursuant to the Reporting and Utilization Section above, the City shall provide written notice of the proposed deduction to the Contractor. The Contractor may, no later than 5 working days after receiving such notice, provide a written request to the City for a hearing to contest the proposed deduction. Upon receipt of a timely written request from the Contractor, the City shall schedule a hearing before the Division Manager (as defined in the City's Standard Specifications for Public Construction), and written notice of the date, time, and location of the hearing shall be provided to the Contractor not less than 5 working days prior to the date of the hearing.

The hearing shall be conducted in the manner specified in Section 4-8 of the Standard Specifications, and the Division Manager shall prepare and forward to the Contractor a written decision as soon as practicable after the hearing. The Division Manager's decision shall be subject to review in accordance with the provisions of Section 4-9 of the Standard Specifications. Failure to request such review in compliance with the requirements set forth in Section 4-9 shall constitute acceptance of the Division Manager's decision by the Contractor.

Written Notices: The written notices and request described above shall be provided by registered or certified mail (return receipt requested), by personal delivery, or by any other method that provides reliable evidence of the date of receipt. Written notice provided by personal delivery shall be deemed received on the date of delivery.

NOTICE REGARDING ASSEMBLY BILL 626

Assembly Bill 626 (AB 626), signed into law September 29, 2016, established a new claim resolution process for public works project contracts entered into on or after January 1, 2017. AB 626 is codified in Section 9204 of the California Public Contract Code. Section 9204 remains in effect until January 1, 2020, and as of that date will be repealed unless another statute extends or deletes this sunset date.

Public Contract Code Section 9204 applies to any “claim,” as defined in Section 9204, which is presented by the Contractor to the City. Section 9204 defines a “claim” as a separate demand by the Contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following: (1) a time extension, including, without limitation, for relief from damages or penalties for delay assessed by the City; (2) payment by the City of money or damages arising from work done by, or on behalf of, the Contractor pursuant to the Contract and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled; or (3) payment of an amount that is disputed by the City.

If Contractor presents a claim to the City in accordance with the provisions of Public Contract Code Section 9204 (hereafter referred to as a “Claim”), the process specified in Section 9204 will be followed, and the provisions of Section 4-8 (Disputed Claims) and Section 4-9 (Review by Claim Review Committee and Issuance of Decision by Department Director) of the City’s Standard Specifications for Public Construction will not apply to the Claim. Contractor’s Claim shall comply with the provisions of Section 4-7 (Notice of Claims for Additional Compensation or Damages) of the City’s Standard Specifications or Contractor shall give a separate written notice of potential claim that complies with the requirements specified in Section 4-7, except in any case where compliance with the requirements specified in Section 4-7 would conflict with Public Contract Code Section 9204.

Subsection (e) of Public Contract Code Section 9204 requires that the text of Section 9204 or a summary be set forth in the plans or specifications for any public works project that may give rise to a claim under Section 9204.

The full text of Public Contract Code Section 9204 is as follows:

9204.

(a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the

claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the

commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

BID PROPOSAL FORMS

**PLEASE REMOVE AND COMPLETE THE FOLLOWING DOCUMENTS AND
SUBMIT AS THE BID PROPOSAL PACKAGE**

BID PROPOSAL CHECKLIST

Included: Please (√)

Pages

☒ Bid Proposal Form	1 -4
☒ LBE Participation Program Prime Contractor Form	1 only
☒ Subcontractor and LBE Participation Form	1 only
☒ Bid Proposal Guarantee	1 only
☒ Drug Free Work Place Certification	1 only
☒ Minimum Qualifications Questionnaire	1 - 6
☒ Non-Discrimination in Employee Benefits Ordinance Certification	1 - 9

Replaced Per Addition #1

CITY OF SACRAMENTO
Department of Public Works
Engineering Services Division

Bid Proposal
Page 1 of 4

TO THE HONORABLE CITY COUNCIL
SACRAMENTO, CALIFORNIA:

In compliance with the Contract Documents, the undersigned hereby proposes to furnish all required labor, materials, supervision, transportation, equipment, services, taxes and incidentals required for:

**Carlson Drive Rehabilitation Project
(R15200035)**

in the City and County of Sacramento, California.

The Work is to be done in strict conformity with the Contract Documents now on file in the Office of the City Clerk, for the following sum:

Item N	Item	Estimated Quantity	Unit	Unit Price	Total
1.	PRECONSTRUCTION PHOTOGRAPHS	1	LS	\$	\$
2.	ASPHALT CONCRETE	280	TON	\$	\$
3.	RUBBERIZED CHIP SEAL	260,400	SF	\$	\$
4.	MICROSURFACING (TYPE II)	287,700	SF	\$	\$
5.	SIDEWALK	3,630	SF	\$	\$
6.	CURB AND GUTTER (TYPE I)	810	LF	\$	\$
7.	TRUNCATED DOMES	21	EA	\$	\$
8.	ADJUST MAINTENANCE HOLE TO GRADE	6	EA	\$	\$
9.	INSTALL SIGNPOST	52	EA	\$	\$
10.	INSTALL ROADSIDE SIGN	67	EA	\$	\$
11.	RELOCATE ROADSIDE SIGN	7	EA	\$	\$
12.	REMOVE ROADSIDE SIGN	4	EA	\$	\$
13.	REMOVE THERMOPLASTIC STRIPING AND MARKINGS	1	LS	\$	\$
14.	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKINGS	1	LS	\$	\$
15.	MODULAR CURB	150	LF	\$	\$

CITY OF SACRAMENTO
Department of Public Works
Engineering Services Division

Bid Proposal
Page 2 of 4

CONTRACTOR NAME: American Pavement Systems, Inc. TOTAL

\$ _____

It is understood that this Bid Proposal is based upon completion of the Work within a period of FIFTY (50) WORKING DAYS, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor is hereby notified and reminded that per City Contract requirements, the City will issue a Notice to Proceed within 15 calendar days of execution of contract by City. Contract workdays will start immediately on the date of the Notice to Proceed. Attached is a sample of a Notice to Proceed.

Work under these Special Provisions shall be performed by qualified personnel experienced in work described herein. The Contractor and/or its subcontractor shall possess current and active licenses issued by the California Contractors State License Board for Class A - General Engineering Contractor the time of the bid submittal and throughout the construction period. Any cited violations or pending violation investigations by the California Contractors State Licensing Board within three years prior to the date of the bid submittal shall be fully disclosed in the bid.

Class A License Number:
Name and Address of Licensee:
Issue Date:
Expiration Date:
License Status:

In determining the amount bid by each bidder, the City may disregard mathematical errors in addition, subtraction, multiplication, and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the face of the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

The City Council may reject any and all bids and waive any informalities or minor irregularities in the bids.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the bidding procedure. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only total price for the item, and the item price is omitted, the City shall determine the item price by dividing the total price for the item by the Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete, and the Proposal shall be disregarded.

The undersigned has examined the location of the proposed Work, the local conditions at the place where the Work is to be done, is familiar with the Contract Documents and is familiar and expressly agrees to the liquidated damages provision of the Contract Documents.

The undersigned has checked carefully all the foregoing figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this Bid Proposal.

Enclosed is a Bid Proposal Guarantee, as required, consisting of a bidder's bond or other acceptable security for not less than ten percent (10%) of the Bid Proposal amount.

Replaced Per Addendum #1

CITY OF SACRAMENTO
Department of Public Works
Engineering Services Division

Bid Proposal
Page 3 of 4

The undersigned agrees that all addenda received and acknowledged herein shall become a part of and be included in this Bid Proposal. This Bid Proposal includes the following addenda:

Add. #	<u>1</u>	DATE	<u>5/13/2024</u>
Add. #		DATE	
Add. #		DATE	

NOTE: State whether your company is a corporation, a co-partnership, private individual, or individuals doing business under a firm name.

Corporation

If the Bidder is a corporation, the Bid Proposal must be executed in the name of the corporation and must be signed by a duly authorized officer of the corporation.

If the Bidder is a partnership, the Bid Proposal must be executed in the name of the partnership and one of the partners must subscribe their signature thereto as the authorized representative of the partnership.

Original Bid Item #1

CITY OF SACRAMENTO
Department of Public Works
Engineering Services Division

Bid Proposal
Page 4 of 4

AMOUNT OF BID PROPOSAL GUARANTEE ENCLOSED:

(\$ _____) not less than ten percent (10%) of amount Bid Proposal

☐ CERTIFIED CHECK
☐ CASHIER'S CHECK
☒ BID BOND
☐ MONEY ORDER
☐ OTHER SECURITY

CONTRACTOR:

By

(Signature)

DAVID PRINLEY

(Print or Type)

Title

Address

Telephone No.

Fax No.

email address

Date

FOR CITY USE ONLY

Bid Bond Security

☐ Properly Signed ☐ Improperly Signed
☐ Not Included ☐ Not Required

Type of Deposit

☒ Bid Bond ☐ Cashier/Certified Check
☐ Other Initial:

Contractor's License No.

Expiration Date

Tax I.D. Nos.- Fed.

City of Sacramento Business Operation Tax Certificate No.
(City will not award contract if BOTC is not current.)

CURRENT DIR REGISTRATION NUMBER

Contractor/subs must be registered before submitting bid

Type

State

1000000207

City of
SACRAMENTO

BID PROPOSAL GUARANTEE

PRINCIPAL (Contractor legal name and business address) <u>American Pavement Systems, Inc.</u> <u>1012 11th St., #1000</u> <u>Modesto, CA 95354</u>	Type of Organization ("X" one) ☐ Individual ☐ Partnership ☒ Corporation ☐ Limited Liability Co. ☐ Other: _____ State of Organization formation: <u>California</u>
SURETY (Name and business address) <u>Western Surety Company</u> <u>2121 N. California Blvd., Ste. 760</u> <u>Walnut Creek, CA 94596</u> a corporation duly organized under the laws of the State of <u>South Dakota</u> and duly licensed to issue this bond as authorized by the State of California. California License No. <u>California Company ID#: 0761-7</u>	(agent name and phone number) <u>Gallagher Brokerage</u> <u>& Insurance Solutions, Inc.</u> <u>2121 N. California Blvd., Ste. 350</u> <u>Walnut Creek, CA 94596</u>

OBLIGATION: We, the Principal and the Surety, bind ourselves, our heirs, executors, administrators and successors, jointly and severally, to the City of Sacramento ("City") as Obligee for the penal sum of ten percent (10%) of the total amount of the Principal's bid proposal submitted to the City for the project described below, to guarantee that Principal will accept the City's award of the project contract.

THE CONDITION OF THIS OBLIGATION IS -

That if the Principal has submitted a bid proposal to the City by the bid proposal due date as set forth in the invitation to bid, which date may be extended by City, for the project described as follows:

Project Name: Carlson Drive Rehabilitation Project
Project Number: R15200035
Bid Transaction Number: B26151111020

AND if the City awards the contract for the project to the Principal within the time and manner required under the invitation to bid, and the Principal (i) enters into a written contract, in the prescribed form, in accordance with the bid proposal, (ii) files two bonds with the City to guarantee faithful performance and payment for labor and materials, and (iii) files the required insurance policies with the City, all as required by the invitation to bid or by law, then the obligation shall be null and void; otherwise it shall be and remain in full force and effect. The Surety agrees that this obligation is not impaired by any extensions of the time for the award of the contract Principal may grant to City, and any notice to Surety of such time extension is waived. In the event suit is brought upon this bond by the Obligee and judgment is recovered, the Surety shall pay all costs incurred by the Obligee in such suit, including a reasonable attorney's fee to be fixed by the court, which sums shall be additional to the principal amount of this bond.

IN WITNESS WHEREOF, Surety has executed this Bid Proposal Guarantee on the day set forth in the attached notary acknowledgment. Attach Surety power of attorney form to verify signator's authority.

Principal/Contractor:
American Pavement Systems, Inc.

By: [Signature]
Name: David Pringle

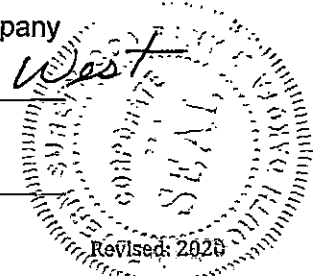
Title: Vice President

Surety: Western Surety Company

By: [Signature]
Name: Kathleen West

Title: Attorney-in-Fact

(Seal)



CALIFORNIA CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Stanislaus)

On 05/19/2026 before me, Tiffany Lee, Notary Public
(here insert name and title of the officer)

personally appeared David Pinsky

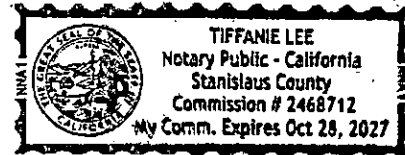
who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature

Tiffany Lee



(Seal)

Optional Information

Although the information in this section is not required by law, it could prevent fraudulent removal and reattachment of this acknowledgment to an unauthorized document and may prove useful to persons relying on the attached document.

Description of Attached Document

The preceding Certificate of Acknowledgment is attached to a document titled/for the purpose of _____

containing _____ pages, and dated _____

The signer(s) capacity or authority is/are as:

- ☐ Individual(s)
☐ Attorney-in-Fact
☐ Corporate Officer(s) _____
Title(s)

- ☐ Guardian/Conservator
☐ Partner - Limited/General
☐ Trustee(s)
☐ Other: _____

representing: _____
Name(s) of Person(s) or Entity(ies) Signer is Representing

Additional Information

Method of Signer Identification

Proved to me on the basis of satisfactory evidence:

- ☐ form(s) of identification ☐ credible witness(es)

Notarial event is detailed in notary journal on:

Page # _____ Entry # _____

Notary contact: _____

Other

- ☐ Additional Signer(s) ☐ Signer(s) Thumbprint(s)

☐ _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)

County of Contra Costa)On MAY 18 2026 before me, Lucy Michelle Dunham, Notary Public
Date Here Insert Name and Title of the Officerpersonally appeared Kathleen West
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature

Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____

☐ Corporate Officer — Title(s): _____☐ Partner — ☐ Limited ☐ General☐ Individual ☒ Attorney in Fact☐ Trustee ☐ Guardian or Conservator☐ Other: _____

Signer is Representing: _____

~~Signer's Name: _____~~~~☐ Corporate Officer — Title(s): _____~~~~☐ Partner — ☐ Limited ☐ General~~~~☐ Individual ☐ Attorney in Fact~~~~☐ Trustee ☐ Guardian or Conservator~~~~☐ Other: _____~~~~Signer is Representing: _____~~

Western Surety Company

POWER OF ATTORNEY APPOINTING INDIVIDUAL ATTORNEY-IN-FACT

Know All Men By These Presents, That WESTERN SURETY COMPANY, a South Dakota corporation, is a duly organized and existing corporation having its principal office in the City of Sioux Falls, and State of South Dakota, and that it does by virtue of the signature and seal herein affixed hereby make, constitute and appoint

Charles R Shoemaker, Kathleen West, Kelly Holtemann, Mark M Munekawa, Nerissa S Bartolome, Yvonne Roncagliolo, Patrick R Diebel, Karen Rhodes, Valerie Takeuchi, Erica Li, Christina Parsons, Zachary V Overbay, Andrew S Holloway, Rossio Polio, Lucy M Dunham, Christopher M Howell, Nathalia P Sholl, Jacquelin Muro Silva, Keith Lovitt, Individually

of San Francisco, CA, its true and lawful Attorney(s)-in-Fact with full power and authority hereby conferred to sign, seal and execute for and on its behalf bonds, undertakings and other obligatory instruments of similar nature

- In Unlimited Amounts -

and to bind it thereby as fully and to the same extent as if such instruments were signed by a duly authorized officer of the corporation and all the acts of said Attorney, pursuant to the authority hereby given, are hereby ratified and confirmed.

This Power of Attorney is made and executed pursuant to and by authority of the Authorizing By-Laws and Resolutions printed at the bottom of this page, duly adopted, as indicated, by the shareholders of the corporation.

In Witness Whereof, WESTERN SURETY COMPANY has caused these presents to be signed by its Vice President and its corporate seal to be hereto affixed on this 20th day of February, 2026.



WESTERN SURETY COMPANY

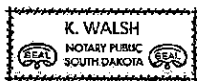
Larry Kasten, Vice President

State of South Dakota }
County of Minnehaha } ss

On this 20th day of February, 2026, before me personally came Larry Kasten, to me known, who, being by me duly sworn, did depose and say: that he resides in the City of Sioux Falls, State of South Dakota; that he is a Vice President of WESTERN SURETY COMPANY described in and which executed the above instrument; that he knows the seal of said corporation; that the seal affixed to the said instrument is such corporate seal; that it was so affixed pursuant to authority given by the Board of Directors of said corporation and that he signed his name thereto pursuant to like authority, and acknowledges same to be the act and deed of said corporation.

My commission expires

December 4, 2031



K. Walsh, Notary Public

CERTIFICATE

I, Paula Kolsrud, Assistant Secretary of WESTERN SURETY COMPANY do hereby certify that the Power of Attorney hereinabove set forth is still in force, and further certify that the By-Laws and Resolutions of the corporation printed below this certificate are still in force. In testimony whereof I have hereunto subscribed my name and affixed the seal of the said corporation this 18th day of May, 2026.



WESTERN SURETY COMPANY

Paula Kolsrud, Assistant Secretary

Authorizing By-Laws and Resolutions

ADOPTED BY THE SHAREHOLDERS OF WESTERN SURETY COMPANY

This Power of Attorney is made and executed pursuant to and by authority of the following By-Law duly adopted by the shareholders of the Company.

Section 7. All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, and Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys in Fact or agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile.

This Power of Attorney is signed by Larry Kasten, Vice President, who has been authorized pursuant to the above Bylaw to execute power of attorneys on behalf of Western Surety Company.

This Power of Attorney may be signed by digital signature and sealed by a digital or otherwise electronic-formatted corporate seal under and by the authority of the following Resolution adopted by the Board of Directors of the Company by unanimous written consent dated the 27th day of April, 2022:

"RESOLVED: That it is in the best interest of the Company to periodically ratify and confirm any corporate documents signed by digital signatures and to ratify and confirm the use of a digital or otherwise electronic-formatted corporate seal, each to be considered the act and deed of the Company."

Go to www.cnasurety.com > Owner / Obligor Services > Validate Bond Coverage, if you want to verify bond authenticity.

DRUG-FREE WORKPLACE POLICY AND AFFIDAVIT

BID PROPOSAL MAY BE DECLARED NONRESPONSIVE IF THIS FORM (COMPLETED) IS NOT ATTACHED.
Pursuant to City Council Resolution CC90-498 dated 6/26/90 the following is required.

The undersigned contractor certifies that it and all subcontractors performing under this Agreement will provide a drug-free workplace by:

1. Publishing a "Drug-Free Workplace" statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Establishing a Drug-Free Awareness Program to inform employees about:
 - a. The dangers of drug abuse in the workplace.
 - b. The contractor's policy of maintaining a drug-free workplace.
 - c. Any available drug counseling, rehabilitation, and employee assistance program.
 - d. The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace.
3. Notify employees that as a condition of employment under this Agreement, employees will be expected to:
 - a. Abide by the terms of the statement.
 - b. Notify the employer of any criminal drug statute conviction for a violation occurring in the workplace.
4. Making it a requirement that each employee to be engaged in the performance of the Agreement be given a copy on the "Drug-Free Workplace" statement.
5. Taking one of the following appropriate actions, within thirty (30) days of receiving notice from an employee or otherwise receiving such notice, that said employee has received a drug conviction for a violation occurring in the workplace:
 - a. Taking appropriate disciplinary action against such an employee, up to and including termination; or
 - b. Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state, or local health, law enforcement or other appropriate agency.

* I certify that no person employed by this company, corporation, or business has been convicted of any criminal drug statute violation on any job site or project where this company, corporation or business was performing was within three years of the date of my signature below.

EXCEPTION:

Date	Violation Type	Place of Occurrence
------	----------------	---------------------

If additional space is required use back of this form.

* The above statement will also be incorporated as a part of each subcontract agreement for any and all subcontractors selected for performance on this project.

IN THE EVENT THIS COMPANY, CORPORATION, OR BUSINESS IS AWARDED THIS CONSTRUCTION AGREEMENT, AS A RESULT OF THIS BID; THE CONTRACTOR WITH HIS/HER SIGNATURE REPRESENTS TO THE CITY THAT THE INFORMATION DISCLOSED IN THIS DOCUMENT IS COMPLETE AND ACCURATE. IT IS UNDERSTOOD AND AGREED THAT FALSE CERTIFICATION IS SUBJECT TO IMMEDIATE TERMINATION BY THE CITY.

The Representations Made Herein On This Document Are Made Under Penalty Of Perjury.

CONTRACTOR'S NAME: American Pavement Systems, Inc
BY: [Signature] David Pinkley, Vice President Date: 5/14/2026
Signature Title

Effects of violations: a. Suspension of payments under the Agreement. b. Suspension or termination of the Agreement. c. Suspension or debarment of the contractor from receiving any Agreement from the City of Sacramento for a period not to exceed five years.

Local status is applicable to the following:

- Any Sacramento addresses which encompasses both the City & unincorporated Sacramento County – including neighborhoods like Rosemont, Antelope, Foothill Farms & Walerga.
- North Highlands
- Carmichael
- Fair Oaks
- Orangevale

LOCAL BUSINESS ENTERPRISE (LBE) PARTICIPATION PROGRAM

NOTE: Proposers must provide responses to the following items. Failure to provide a response to each of the items in this section may be grounds for rejection of the proposal.

1. LBE FIVE PERCENT (5%) PARTICIPATION

On April 3, 2012, the Sacramento City Council adopted a Local Business Enterprise (LBE) Preference Program to provide enhanced opportunities for the participation of local business enterprises (LBEs) in the City's contracting and procurement activities. On November 19, 2013, City Council increased the LBE preference and authorized City departments to require minimum LBE participation levels in individual contracts. Under City Code section 3.60.270, when the bid specifications for a City contract establish a minimum participation level for LBEs, no bidder on the contract shall be considered responsive unless its bid meets the minimum LBE participation level required by the bid specifications.

The City has established a minimum 5% participation level for LBEs on this contract. Pursuant to City Code Section 3.60.270, no bidder on this contract shall be considered responsive unless its bid meets or exceeds this minimum participation level.

Local Business Enterprise means a business enterprise, including but not limited to, a sole proprietorship, partnership, limited liability company, corporation, or other business entity that has a legitimate business presence in the city or unincorporated county of Sacramento. Evidence of legitimate business presence in the city or unincorporated county of Sacramento shall include:

1. Having a current City of Sacramento Business Operation Tax or County of Sacramento Business License; and
2. Having either of the following types of offices or workspace operating legally within the city or unincorporated county of Sacramento:
 - a. The LBE's principle business office or workspace; or
 - b. The LBE's regional, branch or satellite office with at least one full time employee located in the city or unincorporated county of Sacramento.

A. LOCAL BUSINESS ENTERPRISE (LBE)

Is the firm submitting the bid qualified as a local business enterprise? Check the appropriate box below:

- ☐ YES - the firm submitting the bid is qualified as a local business enterprise.
- ☒ NO - the firm submitting the bid is not qualified as a local business enterprise.

If the response to the above is YES, provide the City of Sacramento Business Operations Tax Certificate Number and/or County of Sacramento Business License Number:

If the response to the above is YES, provide a current copy of the City of Sacramento Business Operations Tax Certificate and/or County of Sacramento Business License.

If the response to the above is YES, provide business office or workspace address*:

* Address must be a physical address for the basis of location, this excludes P.O. Box addresses.

SUBCONTRACTOR AND LOCAL BUSINESS ENTERPRISE PARTICIPATION FORM
FOR PUBLIC PROJECTS OVER \$250,000
THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL

To be eligible for award of this contract, the bidder shall list the business entities used to attain the 5% LBE requirement. Additionally, the bidder shall list all other subcontractors who perform work, render service, or provide materials in an amount in excess of one-half of 1 percent of the total bid amount. In the case of bids for the construction of streets and highways, including bridges, subcontractors whose subcontract value exceeds one-half of 1 percent of the total bid or ten thousand dollars (\$10,000), whichever is greater, shall be listed. Estimated dollar values shall be provided for all work, services or materials listed. No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. The failure to attain the 5% LBE participation or the inclusion of false information or the omission of required information will render the bid non-responsive.

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY.

Prime Contractor Name	American Pavement Systems, Inc.
(REQUIRED) Prime Contractor DIR Registration #	1000000207

Business Name	Granite Construction	Subcontractor or Supplier? (Concrete delivery companies, temp fence companies that perform labor of installing or removing fencing and surveyors require DIR Registration)	☐ Subcontractor ☒ Supplier
CSLB/Professional License #	89	DIR Registration # (10 digits)	100000085
Address	4291 Bradshaw Road	Does this subcontractor or supplier qualify as an LBE?	YES
City, State, Zip	Sacramento, CA 95827	Estimated dollar value of work, services or materials to be performed if provided	\$ 35,623.93
Contact Person	Andy Fuentes	Type of Work, Services, or Materials to be provided to complete contract.	
Email Address	andy.fuentes@gcinc.com	Precoated Chip, Microsurfacing Aggregate	
Phone	916-855-4400		

Business Name	Capital Barricade, Inc.	Subcontractor or Supplier? (Concrete delivery companies, temp fence companies that perform labor of installing or removing fencing and surveyors require DIR Registration)	☒ Subcontractor ☐ Supplier
CSLB/Professional License #	847170	DIR Registration # (10 digits)	1000013869
Address	6001 Elvas Ave.	Does this subcontractor or supplier qualify as an LBE?	YES
City, State, Zip	Sacramento, CA 95819	Estimated dollar value of work, services or materials to be performed if provided	\$ 6,995.00
Contact Person	Todd Woolford	Type of Work, Services, or Materials to be provided to complete contract.	
Email Address	todd@capitalbarricade.com	7 day Advance Notification, Post No Parking & Notification of Residents for Operations	
Phone	916-947-8504		

I hereby certify that each subcontractor listed on this LBE Participation Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. The Prime Contractor also certifies that it will notify each subcontractor listed on this Form in writing if the contract award is made to the Prime Contractor, and will make all documentation relevant to the subcontractor and LBE participation available to City of Sacramento upon request. The Prime Contractor further certifies that all of the information contained in this Form is true and correct and acknowledges that the City will rely on the accuracy of this information in awarding the contract.

	Operations Manager	5/20/2026	\$ 523,624.00
Signature (Principal of Firm)	Title	Date	Total Bid Amount (including additive alternates if applicable)

SUBCONTRACTOR AND LOCAL BUSINESS ENTERPRISE PARTICIPATION FORM
FOR PUBLIC PROJECTS OVER \$250,000
THIS FORM MUST BE SUBMITTED WITH THE SEALED BID PROPOSAL.

To be eligible for award of this contract, the bidder shall list the business entities used to attain the 5% LBE requirement. Additionally, the bidder shall list all other subcontractors who perform work, render service, or provide materials in an amount in excess of one-half of 1 percent of the total bid amount. In the case of bids for the construction of streets and highways, including bridges, subcontractors whose subcontract value exceeds one-half of 1 percent of the total bid or ten thousand dollars (\$10,000), whichever is greater, shall be listed. Estimated dollar values shall be provided for all work, services or materials listed. No contractor or subcontractor may be listed on a bid proposal for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)]. The failure to attain the 5% LBE participation or the inclusion of false information or the omission of required information will render the bid non-responsive.

COPY AND ATTACH ADDITIONAL SHEETS AS NECESSARY

Prime Contractor Name	American Pavement Systems, Inc.
(REQUIRED) Prime Contractor DIR Registration #	1000000207

Business Name	Johnson Construction Co.	Subcontractor or Supplier? (Concrete delivery companies, temp fence companies that perform labor of installing or removing fencing and surveyors require DIR Registration)	☒ Subcontractor ☐ Supplier
CSLB/Professional License #	981209	DIR Registration # (10 digits)	1000002380
Address	P.O. Box 6481	Does this subcontractor or supplier qualify as an LBE?	No
City, State, Zip	Concord, CA 94524	Estimated dollar value of work, services or materials to be performed of provided	\$ 17,050.00
Contact Person	Nick Breedon	Type of Work, Services, or Materials to be provided to complete contract	
Email Address	nbreedon@jccincorporated.com		
Phone	925-370-6667		

Business Name	Sierra Traffic Markings, Inc.	Subcontractor or Supplier? (Concrete delivery companies, temp fence companies that perform labor of installing or removing fencing and surveyors require DIR Registration)	☒ Subcontractor ☐ Supplier
CSLB/Professional License #	75537	DIR Registration # (10 digits)	1000002783
Address	9725 Del Road, Suite B	Does this subcontractor or supplier qualify as an LBE?	No
City, State, Zip	Roseville, CA 95747	Estimated dollar value of work, services or materials to be performed of provided	\$ 175,225.00
Contact Person	Jason Tammay	Type of Work, Services, or Materials to be provided to complete contract	
Email Address	jasont@sierratrafficmarkings.com		
Phone	916-774-9070		

I hereby certify that each subcontractor listed on this LBE Participation Form has been notified that it has been listed and has consented in writing to its name being submitted for this contract. The Prime Contractor also certifies that it will notify each subcontractor listed on this Form in writing if the contract award is made to the Prime Contractor, and will make all documentation relevant to the subcontractor and LBE participation available to City of Sacramento upon request. The Prime Contractor further certifies that all of the information contained in this Form is true and correct and acknowledges that the City will rely on the accuracy of this information in awarding the contract.

	Operations Manager	5/20/26	\$ 523,626.00
Signature (Principal of Firm)	Title	Date	Total Bid Amount (including additive alternates if applicable)

NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE

INTRODUCTION

The Sacramento Non-Discrimination In Employee Benefits By City Contractors Ordinance (the "Ordinance"), codified as Sacramento City Code Chapter 3.54, prohibits City contractors from discriminating in the provision of employee benefits between employees with spouses and employees with domestic partners, and between the spouses and domestic partners of employees.

APPLICATION

The provisions of the Ordinance apply to any contract or agreement (as defined below), between a Contractor and the City of Sacramento, in an amount exceeding \$25,000.00. The Ordinance applies to that portion of a contractor's operations that occur: (i) within the City of Sacramento; (ii) on real property outside the City of Sacramento if the property is owned by the City or if the City has a right to occupy the property; or (iii) at any location where a significant amount of work related to a City contract is being performed. The provisions apply only to those employee(s) actually working on the City contract and only for the actual amount of time the employee(s) spend working on such contract.

The Ordinance does not apply: to subcontractors or subcontracts of any Contractor or contractors; to transactions entered into pursuant to cooperative purchasing agreements approved by the Sacramento City Council; to legal contracts of other governmental jurisdictions or public agencies without separate competitive bidding by the City; where the requirements of the ordinance will violate or are inconsistent with the terms or conditions of a grant, subvention or agreement with a public agency or the instructions of an authorized representative of any such agency with respect to any such grant, subvention or agreement; to contracts for excavation or street construction; or to agreements for the use of City right-of-way where a contracting utility has the power of eminent domain.

DEFINITIONS

As set forth in the Ordinance, the following definitions apply:

"Contract" means an agreement for public works or improvements to be performed, or for goods or services to be purchased or grants to be provided, at the expense of the City or to be paid out of moneys deposited in the treasury or out of the trust money under the control or collected by the City. "Contract" also means a written agreement for the exclusive use ("exclusive use" means the right to use or occupy real property to the exclusion of others, other than the right reserved by the fee owner) or occupancy of real property for a term exceeding 29 days in any calendar year, whether by singular or cumulative instrument, (i) for the operation or use by others of real property owned or controlled by the City for the operation of a business, social, or other establishment or organization, including leases, concessions, franchises and easements, or (ii) for the City's use of occupancy of real property owned by others, including leases, concessions, franchises and easements.

"Contract" shall not include: a revocable at-will use or encroachment permit for the use of or encroachment on City property regardless of the ultimate duration of such permit; excavation, street construction or street use permits; agreements for the use of City right-of-way where a contracting utility has the power of eminent domain; or agreements governing the use of City property that constitute a public forum for activities that are primarily for the purpose of espousing or advocating causes or ideas and that are generally protected by the First Amendment to the United States Constitution or that are primarily recreational in nature.

"Contractor" means any person or persons, firm partnership or corporation, company, or combination thereof, that enters into a Contract with the City. "Contractor" does not include a public entity.

"Domestic Partner" means any person who has a currently registered domestic partnership with a governmental entity pursuant to state or local law authorizing the registration.

"Employee Benefits" means bereavement leave; disability, life, and other types of insurance; family medical leave; health benefits; membership or membership discounts; moving expenses; pension and retirement benefits; vacation; travel benefits; and any other benefit given to employees. "Employee benefits" shall not include benefits to the extent that the application of the requirements of this chapter to such benefits may be preempted by federal or state.

CONTRACTOR'S OBLIGATION TO PROVIDE THE CITY WITH DOCUMENTATION AND INFORMATION

Contractor shall provide the City with documentation and information verifying its compliance with the requirements of the Ordinance within ten (10) days of receipt of a request from the City. Contractors shall keep accurate payroll records, showing, for each City Contract, the employee's name, address, Social Security number, work classification, straight time pay rate, overtime pay rate, overtime hours worked, status and exemptions, and benefits for each day and pay period that the employee works on the City Contract. Each request for payroll records shall be accompanied by an affidavit to be completed and returned by the Contractor, as stated, attesting that the information contained in the payroll records is true and correct, and that the Contractor has complied with the requirements of the Ordinance. A violation of the Ordinance or noncompliance with the requirements of the Ordinance shall constitute a breach of contract.

EMPLOYER COMPLIANCE CERTIFICATE AND NOTICE REQUIREMENTS

(a) All contractors seeking a Contract subject to the Ordinance shall submit a completed Declaration of Compliance Form (attachment "A"), signed by an authorized representative, with each proposal, bid or application. The Declaration of Compliance shall be made a part of the executed contract, and will be made available for public inspection and copying during regular business hours.

(b) The Contractor shall give each existing employee working directing on a City contract, and (at the time of hire), each new employee, a copy of the notification provided as attachment "B."

(c) Contractor shall post, in a place visible to all employees, a copy of the notice provided as attachment "C."

**DECLARATION OF COMPLIANCE
Equal Benefits Ordinance**

American Pavement Systems, Inc
Name of Contractor

1012 11th St., Ste. 1000 Modesto, Ca 95354
Address

The above named contractor ("Contractor") hereby declares and agrees as follows:

1. I have read and understand the Non-Discrimination In Employee Benefits By City Contractors Ordinance ("Ordinance") provided to me by the City of Sacramento ("City") in connection with the City's request for proposals or other solicitations for the performance of services, or for the provision of commodities, under a City contract or agreement ("Contract").
2. As a condition of receiving the City Contract, I agree to fully comply with the requirements of the Ordinance, codified as Chapter 3. 54 of the Sacramento City Code.
3. If the face amount of this City Contract is less than \$100,000.00 as a condition of receiving this Contract, I agree to notify the City in writing if the aggregate value of the City Contract referenced herein, after changes, modifications, or similar actions, equals or exceeds \$100,000.00 in total value.
4. I understand, to the extent that such benefits are not preempted or prohibited by federal or state law, employee benefits covered by the Ordinance, are any of the following:
 - a. Bereavement Leave
 - b. Disability, life, and other types of insurance
 - c. Family medical leave
 - d. Health benefits
 - e. Membership or membership discounts
 - f. Moving expenses
 - g. Pension and retirement benefits
 - h. Vacation
 - i. Travel benefits
 - j. Any other benefit offered to employees

I agree that should I offer any of the above listed employee benefits, that I will offer those benefits, without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouses and domestic partners of such employees.

5. I understand that I will not be considered to be discriminating in the provision or application of employee benefits under the following conditions or circumstances:
 - a. In the event that the actual cost of providing a benefit to a domestic partner or spouse, exceeds the cost of providing the same benefit to a spouse or domestic partner of an employee, I will not be required to provide the benefit, nor shall it be deemed discriminatory, if I require the employee to pay the monetary difference in order to provide the benefit to

the domestic partner or to the spouse.

- b. In the event I am unable to provide a certain benefit, despite taking reasonable measures to do so, if I provide the employee with a cash equivalent, I will not be deemed to be discriminating in the application of that benefit.
- c. If I provide employee benefits neither to employee's spouses nor to employee's domestic partners.
- d. If I provide employee benefits to employees on a basis unrelated to marital or domestic partner status.
- e. If I submit, to the Program Coordinator, written evidence of making reasonable efforts to end discrimination in employee benefits by implementing policies which are to be enacted before the first effective date after the first open enrollment process following the date the Contract is executed with the City.

I understand that any delay in the implementation of such policies may not exceed one (1) year from the date the Contract is executed with the City, and applies only to those employee benefits for which an open enrollment process is applicable.

- f. Until administrative steps can be taken to incorporate, in the infrastructure, nondiscrimination in employee benefits

The time allotted for these administrative steps will apply only to those employee benefits for which administrative steps are necessary and may not exceed three (3) months from the date the Contract is executed with the City.

- g. Until the expiration of a current collective bargaining agreement(s) where, in fact, employee benefits are governed by a collective bargaining agreement(s).
- h. I take all reasonable measures to end discrimination in employee benefits by either requesting the union(s) involved agree to reopen the agreement(s) in order for me to take whatever steps are necessary to end discrimination in employee benefits or by my ending discrimination in employee benefits without reopening the collective bargaining agreement(s).
- i. In the event I cannot end discrimination in employee benefits despite taking all reasonable measures to do so, I provide a cash equivalent to eligible employees for whom employee benefits (as listed previously), are not available.

Unless otherwise authorized in writing by the City Manager, I understand this cash equivalent must begin at the time the union(s) refuse to allow the collective bargaining agreement(s) to be reopened or no longer than three (3) months from the date the Contract is executed with the City.

- 6. I understand that failure to comply with the provisions of Section 5. (a) through 4. (i), above, will subject me to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; debarment for future contracts until all penalties and restitution have been paid in full; deemed ineligible for future contracts for up to two (2) years; the imposition of a penalty, payable to the City, in the sum of \$50.00 for each employee,

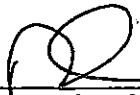
for each calendar day during which the employee was discriminated against in violation of the provisions of the Ordinance.

7. I understand and do hereby agree to provide each current employee and, within ten (10) days of hire, each new employee, of their rights under the Ordinance. I further agree to maintain a copy of each such letter provided, in an appropriate file for possible inspection by an authorized representative of the City. I also agree to prominently display a poster informing each employee of these rights.
8. I understand that I have the right to request an exemption to the benefit provisions of the Ordinance when such a request is submitted to the Procurement Services Division, in writing with sufficient justification for resolution, prior to contract award.

I further understand that the City may request a waiver or exemption to the provisions or requirements of the Ordinance, when only one contractor is available to enter into a contract or agreement to occupy and use City property on terms and conditions established by the City; when sole source conditions exist for goods, services, public project or improvements and related construction services; when there are no responsive bidders to the EBO requirements and the contract is for essential goods or services; when emergency conditions with public health and safety implications exist; or when the contract is for specialized legal services if in the best interest of the City.

9. In consideration of the foregoing, I shall defend, indemnify and hold harmless, the City, its officers and employees, against any claims, actions, damages, costs (including reasonable attorney fees), or other liabilities of any kind arising from any violation of the City's Equal Benefits Requirements or of the Ordinance by me.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that I am authorized to bind the Contractor to the provisions of this Declaration.



Signature of Authorized Representative

5/19/2020

Date

David Pimley

Print Name

Vice President

Title



**YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S
NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE**

On (date), your employer (the "Employer") entered into a contract with the City of Sacramento (the "City") for (contract details), and as a condition of that contract, agreed to abide by the requirements of the City's Non-Discrimination In Employee Benefits By City Contractors Ordinance (Sacramento City Code Section 3.54).

The Ordinance does not require the Employer to provide employee benefits. The Ordinance does require that if certain employee benefits are provided by the Employer, that those benefits be provided without discrimination between employees with spouses and employees with domestic partners, and without discrimination between the spouse or domestic partner of employees.

The Ordinance covers any employee working on the specific contract referenced above, but only for the period of time while those employees are actually working on this specific contract.

The included employee benefits are:

- | | |
|---|---|
| - Bereavement leave | - Moving expenses |
| - Disability, life and other types of insurance | - Pension and retirement benefits |
| - Family medical leave | - Vacation |
| - Health benefits | - Travel benefits |
| - Membership or membership discounts | - Any other benefits given to employees |

(Employee Benefits does not include benefits that may be preempted by federal or state law.)

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, or in the application of these employee benefits, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of the Ordinance, and after having exhausted all remedies with your employer,

You May...

- o Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

City of Sacramento
Contract Services Unit
915 I St, 2nd Floor
Sacramento, CA 95814-2714

- o Bring an action in the appropriate division of the Superior Court of the State of California against the Employer and obtain the following remedies:

- Reinstatement, injunctive relief, compensatory damages and punitive damages
- Reasonable attorney's fees and costs



**YOUR RIGHTS UNDER THE CITY OF SACRAMENTO'S
NON-DISCRIMINATION IN EMPLOYEE BENEFITS BY CITY CONTRACTORS ORDINANCE**

If your employer provides employee benefits, they must be provided to those employees working on a City of Sacramento contract without discriminating between employees with spouses and employees with domestic partners.

The included employee benefits are:

- Bereavement leave
- Disability, life and other types of insurance
- Family medical leave
- Health benefits
- Membership or membership discounts
- Moving expenses
- Pension and retirement benefits
- Vacation
- Travel benefits
- Any other benefits given to employees

If you feel you have been discriminated against by your employer ...

You May ...

- o Submit a written complaint to the City of Sacramento, Contract Services Unit, containing the details of the alleged violation. The address is:

City of Sacramento
Contract Services Unit
915 I St, 2nd Floor
Sacramento, CA 95814-2714
- o Bring an action in the appropriate division of the Superior Court of the State of California against the employer and obtain reinstatement, injunctive relief, compensatory damages, punitive damages and reasonable attorney's fees and costs.

Discrimination and Retaliation Prohibited.

If you feel you have been discriminated or retaliated against by your employer in the terms and conditions of your application for employment, or in your employment, because of your status as an applicant or as an employee protected by the Ordinance, or because you reported a violation of this Ordinance ...

You May Also ...

Submit a written complaint to the City of Sacramento, Contract Services Unit, at the same address, containing the details of the alleged violation.

MINIMUM QUALIFICATIONS QUESTIONNAIRE

Sacramento City Code Section 3.60.020 authorizes the Sacramento City Council to adopt standard minimum qualifications for bidders on competitively bid public works construction projects, and requires, among other provisions, that a bidder meet such minimum qualifications at the time of bid opening in order to bid. On July 31, 2007, the City Council adopted Resolution No. 2007-574 establishing these standard minimum qualifications. Pursuant to City Code section 3.60.020, a bidder failing to meet these minimum qualifications at the time of bid opening shall not be considered a responsible bidder for purposes of bidding on the subject project.

All bidders must demonstrate compliance with the minimum qualifications established by Resolution No. 2007-574 by completing all of the questions contained in this questionnaire. Bidder responses shall be limited to those operating business units, offices, branches and/or subsidiary divisions of the bidder that will be involved with the performance of any project work if awarded the contract. If a bidder answers "yes" to any single question, fails to submit a fully completed questionnaire, or submits false information, this will result in a determination that the minimum qualifications are not met, and the bidder shall not be considered a qualified bidder for purposes of bidding on this contract. If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must separately meet these minimum qualifications for the Joint Venture to be considered a qualified bidder.

The City of Sacramento ("City") shall make its determination on the basis of the submitted questionnaire, as well as any relevant information that is obtained from others or as a result of investigation by the City. While it is the intent of this questionnaire to assist the City in determining whether bidders possess the minimum qualifications necessary to submit bids on the City's competitively bid public works construction contracts, the fact that a bidder submits a questionnaire demonstrating that it meets these minimum qualifications shall not in any way limit or affect the City's ability to: (1) review other information contained in the bid submitted by the bidder, and additional relevant information, and determine whether the contractor is a responsive and/or responsible bidder; or (2) establish pre-qualification requirements for a specific contract or contracts.

By submitting this questionnaire, the bidder consents to the disclosure of its questionnaire answers: (i) to third parties for purposes of verification and investigation; (ii) in connection with any protest, challenge or appeal of any action taken by the City; and (iii) as required by any law or regulation, including without limitation the California Public Records Act (Calif. Gov't Code sections 6250 et seq.). Each questionnaire must be signed under penalty of perjury in the manner designated at the end of the form, by an individual who has the legal authority to bind the bidder submitting the questionnaire. If any information provided by a bidder becomes inaccurate, the bidder shall immediately notify the City and provide updated accurate information in writing, under penalty of perjury.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

QUESTIONNAIRE

NOTICE: For firms that maintain other operating business units, offices, branches and/or subsidiary divisions that will not be involved with the performance of any project work if the firm is awarded the contract, references hereafter to "your firm" shall mean only those operating business units, offices, branches and/or subsidiary divisions that will be involved with the performance of any project work.

All of the following questions regarding "your firm" refer to the firm (corporation, partnership or sole proprietor) submitting this questionnaire, as well as any firm(s) with which any of your firm's owners, officers, or partners are or have been associated as an owner, officer, partner or similar position within the last five years

The firm submitting this questionnaire shall not be considered a responsible bidder if the answer to any of these questions is "yes", or if the firm submits a questionnaire that is not fully completed or contains false information.

1. Classification & Expiration Date(s) of California Contractor's License Number(s) held by firm:
943792, CLASS A, C-31, exp. 2/29/2028
2. Has a contractor's license held by your firm and/or any owner, officer or partner of your firm been revoked at anytime in the last five years?
☐ Yes ☒ No
3. Within the last five years, has a surety firm completed a contract on your firm's behalf, or paid for completion of a contract to which your firm was a party, because your firm was considered to be in default or was terminated for cause by the project owner?
☐ Yes ☒ No
4. At the time of submitting this minimum qualifications questionnaire, is your firm ineligible to bid on or be awarded a public works contract, or perform as a subcontractor on a public works contract, pursuant to either California Labor Code section 1777.1 (prevailing wage violations) or Labor Code section 1777.7 (apprenticeship violations)?
☐ Yes ☒ No
5. At any time during the last five years, has your firm, or any of its owners, officers or partners been convicted of a crime involving the awarding of a contract for a government construction project, or the bidding or performance of a government contract?
☐ Yes ☒ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

6. Answer either subsection A or B, as applicable:

- A. Your firm has completed three or more government construction contracts in Sacramento County within the last five years: Within those five years, has your firm been assessed liquidated damages on three or more government construction contracts in Sacramento County for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging the assessment of liquidated damages on a government contract within the last five years, you need not include that contract in responding to this question.

☐ Yes

☒ No

☐ Not applicable

OR

- B. Your firm has not completed at least three government construction contracts in Sacramento County within the last five years: Within the last three years, has your firm been assessed liquidated damages on three or more government construction contracts for failure to complete contract work on time?

NOTE: If there is a pending administrative or court action challenging an assessment of liquidated damages on a government contract within the last three years, you need not include that contract in responding to this question.

☐ Yes

☐ No

☐ Not applicable

7. In the last three years has your firm been debarred from bidding on, or completing, any government agency or public works construction contract for any reason?

NOTE: If there is a pending administrative or court action challenging a debarment, you need not include that debarment in responding to this question.

☐ Yes

☒ No

8. Has CAL OSHA assessed a total of three or more penalties against your firm for any "serious" or "willful" violation occurring on construction projects performed in Sacramento County at any time within the last three years?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes

☒ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

9. Answer either subsection A or B, as preferred:

A. In the last three years has your firm had a three year average Workers' Compensation experience modification rate exceeding 1.1?

☐ Yes

☒ ~~No.~~

OR

B. In the last three years has your firm had a three-year average incident rate for total lost workday cases exceeding 10?

NOTE: Incident rates represent the number of lost workday cases per 100 full-time workers and is to be calculated as: $(N/EH) \times 200,000$, where

N = number of lost workday cases (as defined by the U.S. Dept. of Labor, Bureau of Labor Statistics)
EH = total hours worked by all employees during the calendar year
200,000 = base for 100 equivalent full-time working (working 40 hours per week, 50 weeks per year)

☐ Yes

☒ ~~No~~

10. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed penalties three or more times, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was a contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes

☒ ~~No~~

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

11. In the past three years, has the federal EPA, Region IX or a California Air Quality Management District or Regional Water Quality Control Board assessed a single penalty of \$100,000 or more, either against your firm, or against the project owner for a violation resulting in whole or in part from any action or omission by your firm on a project on which your firm was the contractor in Sacramento County?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes

☒ No

12. In the past three years, have civil penalties been assessed against your firm pursuant to California Labor Code 1777.7 for violation of California public works apprenticeship requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes

☒ No

13. In the past three years, has a public agency in California withheld contract payments or assessed penalties against your firm for violation of public works prevailing wage requirements, three or more times?

NOTE: If there is a pending administrative or court action appealing a withholding or penalty assessment, you need not include that withholding or penalty assessment in responding to this question.

☐ Yes

☒ No

14. Has your firm been assessed penalties for violation of public works prevailing wage requirements in California, in an aggregate amount for the past three years of \$50,000 or more?

NOTE: If there is a pending administrative or court action appealing a penalty assessment, you need not include that penalty assessment in responding to this question.

☐ Yes

☒ No

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

VERIFICATION AND SIGNATURE

I, the undersigned, certify and declare that I have read all the foregoing answers to this Minimum Qualifications Questionnaire, and know their contents. The matters stated in these Questionnaire answers are true of my own knowledge and belief, except as to those matters stated on information and belief, and as to those matters I believe them to be true. I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Signed at Modesto, Ca, on 5/19/2026
(Location) (Date)

Signature: 

Print name: David Pimley

Title: Vice President

NOTE: If two or more entities submit a bid on a contract as a Joint Venture, each entity within the Joint Venture must submit a separate Minimum Qualifications Questionnaire.

FOR CITY CLERK USE ONLY

RESOLUTION NO.: 2007-574

DATE ADOPTED: July 31, 2007

California Environmental Protection Agency
Air Resources Board

January 1, 2026

**CERTIFICATE OF REPORTED COMPLIANCE
OFF-ROAD DIESEL VEHICLE REGULATION**

is issued to

AMERICAN PAVEMENT SYSTEMS INC.

This certificate indicates that the fleet listed above has reported off-road diesel vehicles to the California Air Resources Board and has certified they are in compliance with title 13 CCR, section 2449. All applicable vehicles owned by the individual, company, or agency must be reported and labeled, as specified in Section 2449, with all possible completeness; else this certificate is null and void. **Certificate expires 2/28/2027**

Michelle Buffington

Michelle Buffington
Chief, Mobile Source Control Division
California Air Resources Board

Off-road Diesel Fleet Identification

85565

To verify the authenticity of this certificate, enter this number at
http://www.arb.ca.gov/doors/compliance_cert1.html



CALIFORNIA AIR RESOURCES BOARD

Certificate of Reported Compliance With:

Advanced Clean Fleets Regulation

Truck and Bus Regulation

Issued to:

American Pavement Systems

This certificate confirms that the fleet owner has attested under penalty of perjury that the statements and information they provided to the California Air Resources Board (CARB) are true, accurate, and complete regarding all relevant vehicles in the fleet required to show compliance. CARB hereby finds that the fleet listed has met requirements of:

Title 13 CCR sections 2013 - 2016 (Advanced Clean Fleets Regulation)

Title 13 CCR 2025 (Truck and Bus Regulation)

If CARB subsequently finds that the statements and information that have been provided are not true, accurate, and complete, this certificate shall be effectively revoked and the fleet subject to penalties.

This certificate is valid until December 31, 2026

Michelle Buffington

Michelle Buffington
Division Chief, Mobile Source Control
Division California Air Resources Board

Printed on 2025-12-29

79 Vehicles

TRUCKS Fleet Identification

137170

To verify the authenticity of this certificate, visit
www.arb.ca.gov/msprog/onlinecert/tblookup.php

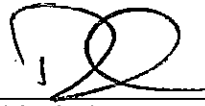
AMERICAN PAVEMENT SYSTEMS, INC.

CERTIFICATE OF SECRETARY

Resolved, that effective January 2, 2026 through December 31, 2026, the individuals named on the attached Exhibit 1 are authorized to negotiate, execute and attest electronic and paper documents necessary for the conduct of the company's affairs with respect to the submission and execution of construction project bids, bid proposals, bid addenda and all other bid-related documents prepared and submitted on behalf of the Company, relating to any and all domestic construction projects arising out of the Company's operations.

I, David Pimley, do hereby certify that I am duly qualified as Secretary of American Pavement Systems, Inc., a California corporation (the "Company"); that the foregoing is a true and correct copy of resolutions duly adopted effective January 2, 2026 by the Board of Directors, at a meeting in accordance with the provisions of the Company Bylaws; that the directors acting were duly and regularly elected; and that the resolution adopted has not been modified or repealed and is still in full force and effect

DATED: January 2, 2026



David Pimley, Secretary

EXHIBIT 1

AUTHORIZED SIGNERS

American Pavement Systems, Inc., A California Corporation

DESIGNATED SIGNERS

Gregory B. Reed, President

Marc A. Bertsch, Executive Vice President

David Pimley, Vice President, Secretary, Treasurer

Michael Marchini, Vice President

Ryan Bangle, Operations Manager

Carlson Drive Rehabilitation Project
CITY PROJECT NO: R15200035
Addendum No. 1

May 13, 2026

To all Potential Bidders:

Attached hereto are addenda items, which shall be incorporated into the bid proposal for above noted project. These changes shall be considered as part of the original documents, as if they were originally provided therein, and as such shall be used as contractual documents. All other terms, conditions, and specifications of the bid remain unchanged. Bidders must acknowledge receipt of this addendum prior to the hour and date specified in the bid request, or as amended, by one of the following methods:

- (a) By acknowledging receipt, on the bid proposal form submitted; or
- (b) By separate letter or email which includes a reference to the bid request and addendum number.

Failure to acknowledge receipt of this addendum in one of the above methods and cause acknowledgment to be received prior to the hour and date specified for receipt of proposals, may result in rejection of your offer. If by virtue of this addendum you decide to change an offer already submitted, such change may be made by email or letter, provided such email or letter makes reference to the bid request number and this addendum, and is received prior to the opening hour and date specified.

Respectfully,

Raquel Gonzalez
Raquel Gonzalez
Contract Services

Enclosure

Carlson Drive Rehabilitation Project
CITY PROJECT NO: R15200035
Addendum No. 1

- Item 1:** Pre-Bid Meeting sign-in sheet
- Item 2:** Pre-Bid Meeting Q&A
- Item 3:** Updated Bid Proposal
- Item 4:** Updated Plan Set
- Item 5:** Updated Special Provisions

Carlson Drive Rehabilitation Project
CITY PROJECT NO: R15200035
Addendum No. 1

Item 1: Pre-Bid Meeting sign-in sheet

Meeting Title		Carlson Drive Pre-Bid Meeting	
Meeting Date		5/11/2026	
Meeting Time		1:30 PM	
Meeting Location		Microsoft Teams	
Participants	Organization	Email	Phone Number
Sabrina M Martin	City	smartin@cityofsacramento.org	
Raquel Gonzalez	City	RAGonzalez@cityofsacramento.org	
Christian Campos	City	cacampos@cityofsacramento.org	
Jose Ledesma	City	JLedesma@cityofsacramento.org	
Adam Randolph	City	ARandolph@cityofsacramento.org	
John Dumas	American Pavement Systems Inc	jdumas@americanpavementsystems	916-690-7933
Bayley Follett	Central Valley Engineering and Asphalt	bayley@cenvalley.com	916-791-1609
Mitchell Norman	Martin Bros	mnorman@martinbrothers.net	916-381-0911
Rachel	Martin General	estimating@martingeneral.net	916-355-8101
Frank with Road Safety Inc.	Road Safety	frank@roadsafetyinc.net	916-952-3111
Maria Prado	VSS International, Inc	maria.prado@slurry.com	916-373-1500
Patrick Klein	Vaca Valley Excavating & Trucking	p.klein@vvexc.com	707-266-4370
Dan DeLeon	Westech Industries, Inc	Dan@Westech.net	209-744-8488

Item 2: Pre-Bid Q&A

- Just to clarify, the ramps and all related concrete work will be removed from the project? The remaining is just the road rehab (Microsurface & Chip), adjusting boxes to grade, striping, etc?
 - Correct. Ramps and related flat work have been removed from plans and the bid schedule. The only work remaining is chip seal, microsurfacing, striping, signage, and utility adjustments.
 - Please see updated bid proposal form in this addendum. Also please note that contract duration has reduced to 25 working days.
- Can you please provide me with dates that school is out and back in.
 - Summer school at Caleb Greenwood Elementary ends July 17th. The first day of the new school year begins August 11, 2026.
- Can you confirm the requirement General Contractor requirement to self-perform work is 30% minimum?
 - Since this is a locally funded job, the self-performance requirement for the General Contractor is 20% minimum.
- Any known conflicting NO WORK dates due to holidays, city projects, etc?
 - Contractor's attention is directed to sections 1.15 (Coordination) and 1.18 (Traffic Handling) for limits on what work can be performed on certain days.
 - At this time there are no known city holidays or other projects which will conflict with this work.
- Will the bid date stay the same?
 - Yes, to ensure that we can build in the brief window during summer break for Caleb Greenwood Elementary, the bid date must remain the same.

Item 3: Updated Bid Proposal

See attached bid proposal form marked "Addendum 1"

TO THE HONORABLE CITY COUNCIL
SACRAMENTO, CALIFORNIA:

In compliance with the Contract Documents, the undersigned hereby proposes to furnish all required labor, materials, supervision, transportation, equipment, services, taxes and incidentals required for:

**Carlson Drive Rehabilitation Project
(R15200035)**

in the City and County of Sacramento, California.

The Work is to be done in strict conformity with the Contract Documents now on file in the Office of the City Clerk, for the following sum:

Item N	Item	Estimated Quantity	Unit	Unit Price	Total
1.	PRECONSTRUCTION PHOTOGRAPHS	1	LS	\$ 500.00	\$ 500.00
2.	Removed				
3.	RUBBERIZED CHIP SEAL	260,400	SF	\$.74	\$ 192,696.00
4.	MICROSURFACING (TYPE II)	287,700	SF	\$.45	\$ 129,465.00
5.	Removed				
6.	Removed				
7.	Removed				
8.	ADJUST MAINTENANCE HOLE TO GRADE	6	EA	\$ 2983.00	\$ 17,898.00
9.	INSTALL SIGNPOST	52	EA	\$ 341.00	\$ 17,732.00
10.	INSTALL ROADSIDE SIGN	67	EA	\$ 131.00	\$ 8777.00
11.	RELOCATE ROADSIDE SIGN	7	EA	\$ 420.00	\$ 2940.00
12.	REMOVE ROADSIDE SIGN	4	EA	\$ 367.00	\$ 1468.00
13.	REMOVE THERMOPLASTIC STRIPING AND MARKINGS	1	LS	\$ 42,000.00	\$ 42,000.00
14.	INSTALL THERMOPLASTIC STRIPING AND PAVEMENT MARKINGS	1	LS	\$ 89,000.00	\$ 89,000.00
15.	MODULAR CURB	150	LF	\$ 141.00	\$ 21,150.00

CONTRACTOR NAME: American Pavement Systems, Inc. TOTAL \$ 523,626.00

It is understood that this Bid Proposal is based upon completion of the Work within a period of **TWENTY-FIVE (25) WORKING DAYS**, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor is hereby notified that contract working days will start the Monday following contract award. The city will issue the notice to proceed upon execution of the contract.. Attached is a sample of a Notice to Proceed.

Work under these Special Provisions shall be performed by qualified personnel experienced in work described herein. The Contractor and/or its subcontractor shall possess current and active licenses issued by the California Contractors State License Board for Class A – General Engineering Contractor the time of the bid submittal and throughout the construction period. Any cited violations or pending violation investigations by the California Contractors State Licensing Board within three years prior to the date of the bid submittal shall be fully disclosed in the bid.

Class A License Number:
Name and Address of Licensee:
Issue Date:
Expiration Date:
License Status:

In determining the amount bid by each bidder, the City may disregard mathematical errors in addition, subtraction, multiplication, and division that appear obvious on the face of the Proposal. When such a mathematical error appears on the face of the Proposal, the City shall have the right to correct such error and to compute the total amount bid by said bidder on the basis of the corrected figure or figures.

The City Council may reject any and all bids and waive any informalities or minor irregularities in the bids.

When an item price is required to be set forth in the Proposal, and the total for the item set forth separately does not agree with a figure which is derived by multiplying the item price times the Engineer's estimate of the quantity of work to be performed for said item, the item price shall prevail over the sum set forth as the total for the item unless, in the sole discretion of the City, such a procedure would be inconsistent with the policy of the bidding procedure. The total paid for each such item of work shall be based upon the item price and not the total price. Should the Proposal contain only total price for the item, and the item price is omitted, the City shall determine the item price by dividing the total price for the item by the Engineer's estimate of the estimated quantities of work to be performed as items of work.

If the Proposal contains neither the item price nor the total price for the item, then it shall be deemed incomplete, and the Proposal shall be disregarded.

The undersigned has examined the location of the proposed Work, the local conditions at the place where the Work is to be done, is familiar with the Contract Documents and is familiar and expressly agrees to the liquidated damages provision of the Contract Documents.

The undersigned has checked carefully all the foregoing figures and understands that the City of Sacramento will not be responsible for any errors or omissions on the part of the undersigned in making up this Bid Proposal.

Enclosed is a Bid Proposal Guarantee, as required, consisting of a bidder's bond or other acceptable security for not less than ten percent (10%) of the Bid Proposal amount.

The undersigned agrees that all addenda received and acknowledged herein shall become a part of and be included in this Bid Proposal. This Bid Proposal includes the following addenda:

Add. #	<u>1</u>	DATE	<u>5/13/2020</u>
Add. #	<u> </u>	DATE	<u> </u>
Add. #	<u> </u>	DATE	<u> </u>

NOTE: State whether your company is a corporation, a co-partnership, private individual, or individuals doing business under a firm name.

If the Bidder is a corporation, the Bid Proposal must be executed in the name of the corporation and must be signed by a duly authorized officer of the corporation.

If the Bidder is a partnership, the Bid Proposal must be executed in the name of the partnership and one of the partners must subscribe their signature thereto as the authorized representative of the partnership.

AMOUNT OF BID PROPOSAL GUARANTEE ENCLOSED:

(\$ _____) not less than ten percent (10%) of amount Bid Proposal

☒ BID BOND

OTHER SECURITY

CONTRACTOR: _____

By _____

(Signature)

David Pinsky
(Print or Type)

Title Vice President

Address 1812 11th Street Ste 1000
Modesto, CA 95354

Telephone No. 209 522-2277

Fax No. 209-408-0427

email address DPinsky@americanpavement.com

Date 5/15/20

Contractor's License No. 943742

Type Class A, C-31

Expiration Date 2/29/2028

Tax I.D. Nos.- Fed. 30-0607049

State CA

City of Sacramento Business Operation Tax Certificate No.
(City will not award contract if BOTC is not current.)

CURRENT DIR REGISTRATION NUMBER

Contractor/subs must be registered before submitting bid

100000207

FOR CITY USE ONLY

Bid Bond Security

☐ Properly Signed ☐ Improperly Signed
☐ Not Included ☐ Not Required

Type of Deposit

☐ Bid Bond ☐ Cashier/Certified Check
☐ Other Initial: _____

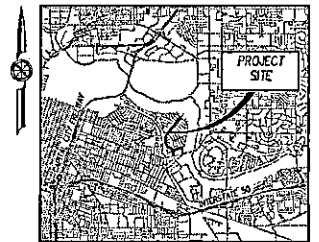
Item 4: Updated Plan Set

See attached plans marked "Addendum 1"

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

INDEX OF PLAN SHEETS		
SHEET NO.	DATE	DESCRIPTION
1	0-1	GENERAL NOTES
2	0-1	GENERAL NOTES
3 - 13	1-4 - 1-10	GENERAL NOTES
14-27	25-1 - 25-10	GENERAL NOTES
28	25-1	CONSTRUCTION DETAILS

CITY OF SACRAMENTO IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION (H STREET TO SANDBURG DRIVE) PROJECT #: R15200035



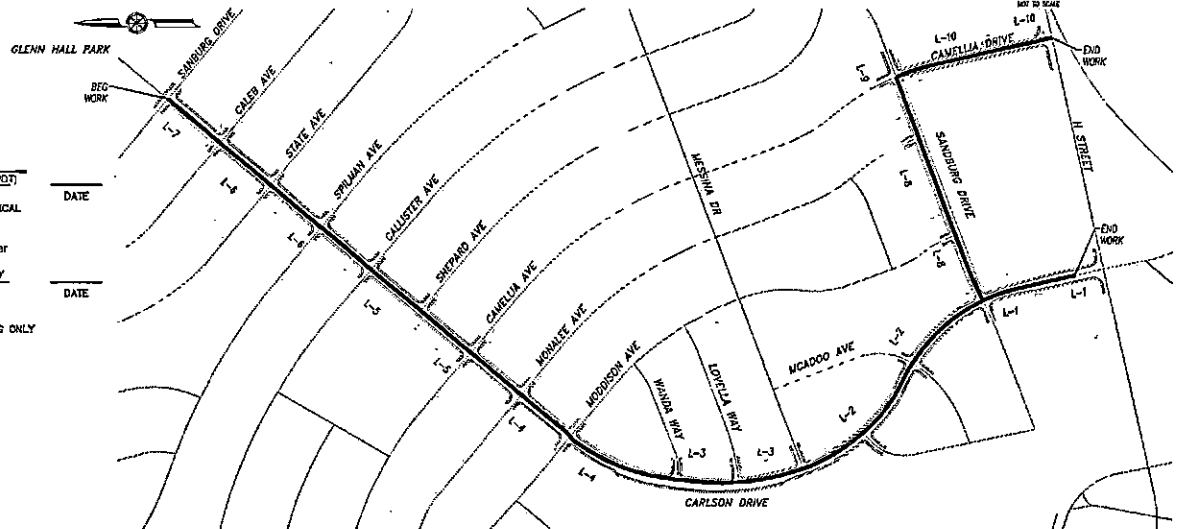
VICINITY MAP
NOT TO SCALE

APPROVED BY: [Signature]
JUDITH MATSU-DRURY, R.C.E. 39096
SUPERVISING ENGINEER, CIVIL/ELECTRICAL
DEPARTMENT OF PUBLIC WORKS

DATE: _____

APPROVED BY: [Signature]
MEGAN R. CARTER, P.E., T.E.
CITY TRAFFIC ENGINEER
CITY OF SACRAMENTO PUBLIC WORKS
APPROVAL FOR SIGNING AND STRIPING ONLY

DATE: _____



SITE PLAN
NOT TO SCALE

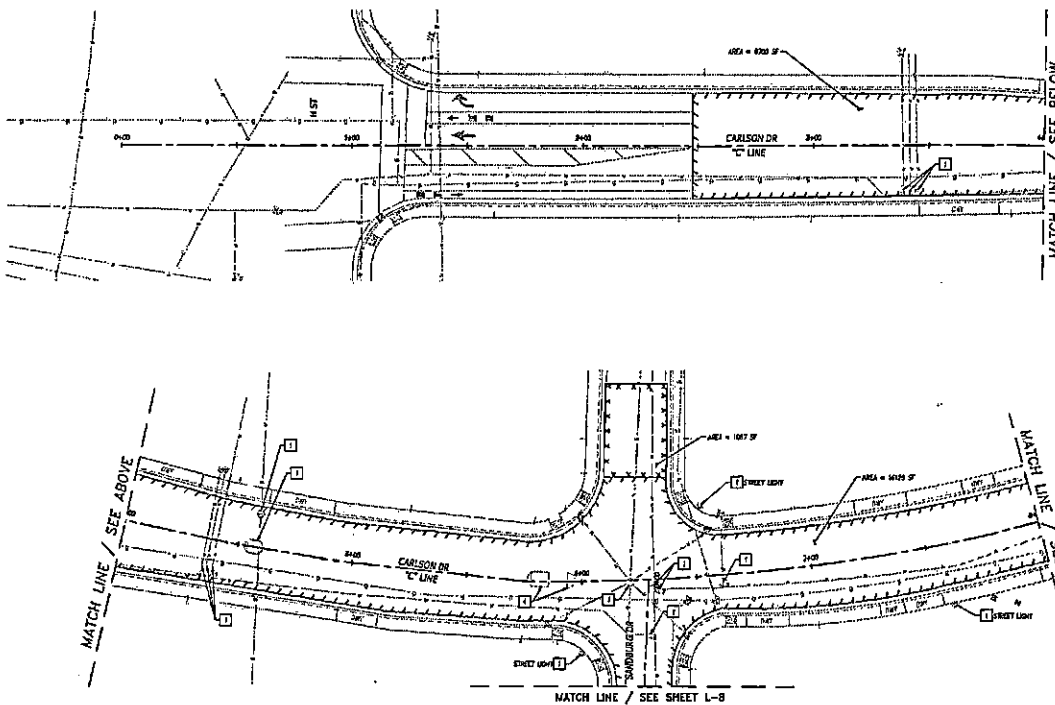


REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. = FT. DESCRIPTION		FIELD BOOK SCALE: _____ DRAWN BY: _____ CHECKED BY: _____ DATE: _____		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BENEM 1000 3rd Street, Suite 100 Sacramento, California 95811 916.763.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION TITLE SHEET		SHEET NO. T-1 OF 24
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- No. 100-441186-4-Subpoena for Production of Documents
 D. FILED: 00/05/2005
 U.S. District Court
 District of Columbia
 Filed: 05/20/05
 Page 1 of 1

2012年12月31日

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



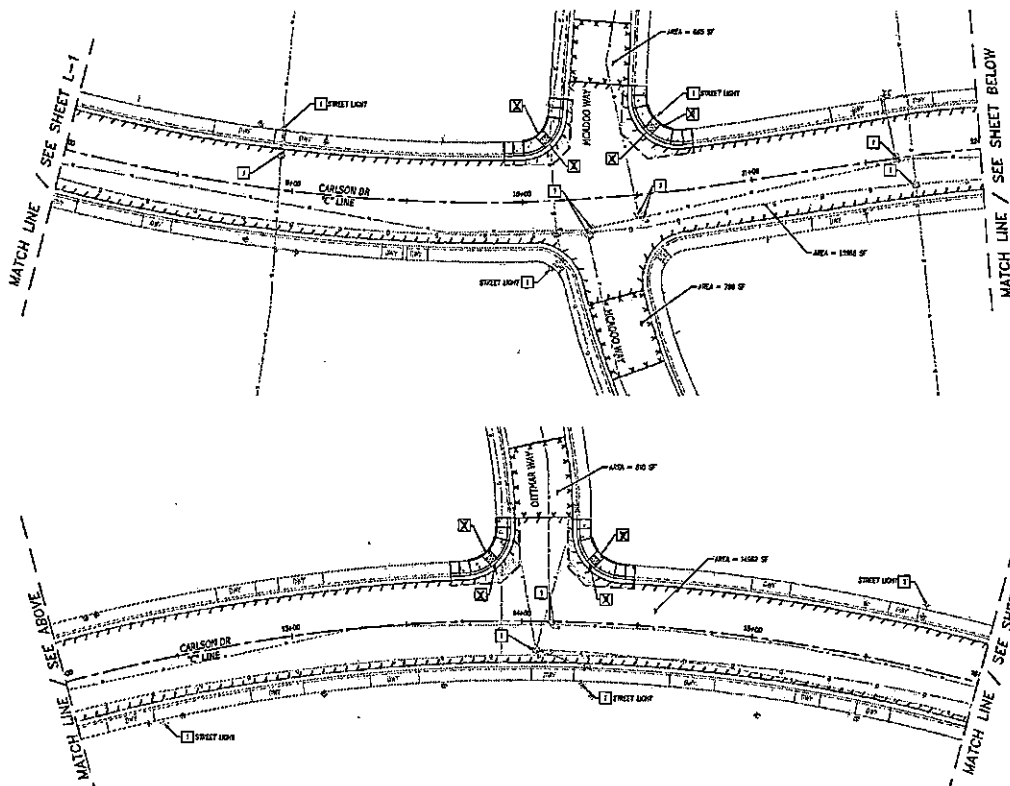
- LAYOUT AND STRIPING NOTES:
- ☐ 1. PROTECT IN PLACE
 - ☒ 2. REMOVE AND REPLACE SLICE PAV CURB RAMP AND
 - ☒ 3. REPAVED DOSE PER CITY STD ONE NO 1-21 AND
 - ☒ 4. ADJUST MANHOLE TO GRADE
 - ☒ 5. PROTECT FOGSISTON REFUGE ISLAND IN PLACE
 - ☒ 6. METAL MANHOLE GRATE AT 1" ON CENTER PER
 - ☒ 7. DETAIL & SEE SHEET G-1
 - ☒ 8. METAL CURB AND GUTTER PAVE 1 PER CITY STD
 - ☒ 9. ONE 1-21

- NOTES:
1. CONTRACTOR TO VERIFY TO GRADE ALL UTILITIES WITH
 2. ROAD RECONSTRUCTION DATA LATEST CONFORMANCE METES
 3. CONTRACTOR TO VERIFY ALL UTILITIES IN PLACE & CORRECT
 4. ROAD RECONSTRUCTION DATA LATEST CONFORMANCE METES
 5. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON
 6. SURVEY OF VARIOUS AVAILABLE INFORMATION SHALL
 7. PROBABLY LOCATE ALL UTILITIES LOCATED FROM TO
 8. CONSTRUCTION

- LEGEND:
- INTERLOCKED BRICK PAVEMENT
 - ASPHALT CONCRETE
 - CONCRETE (SEE CITY DETAILS)
 - MANHOLE
 - STREET LIGHT

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK DESCRIPTION ELEV. DATE BY		FIELD BOOK SCALE: 1"=50' NO. 100 DATE 10/10/04 VERT. 10/10/04		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS DESIGNED BY: M. MONTY CHECKED BY: J. L. JONES DATE: 10/10/04				BEN 2001 S. 10th Avenue, Suite 100 Sacramento, California 95811 916.763.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN		SHEET NO. L-1 OF 24	
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



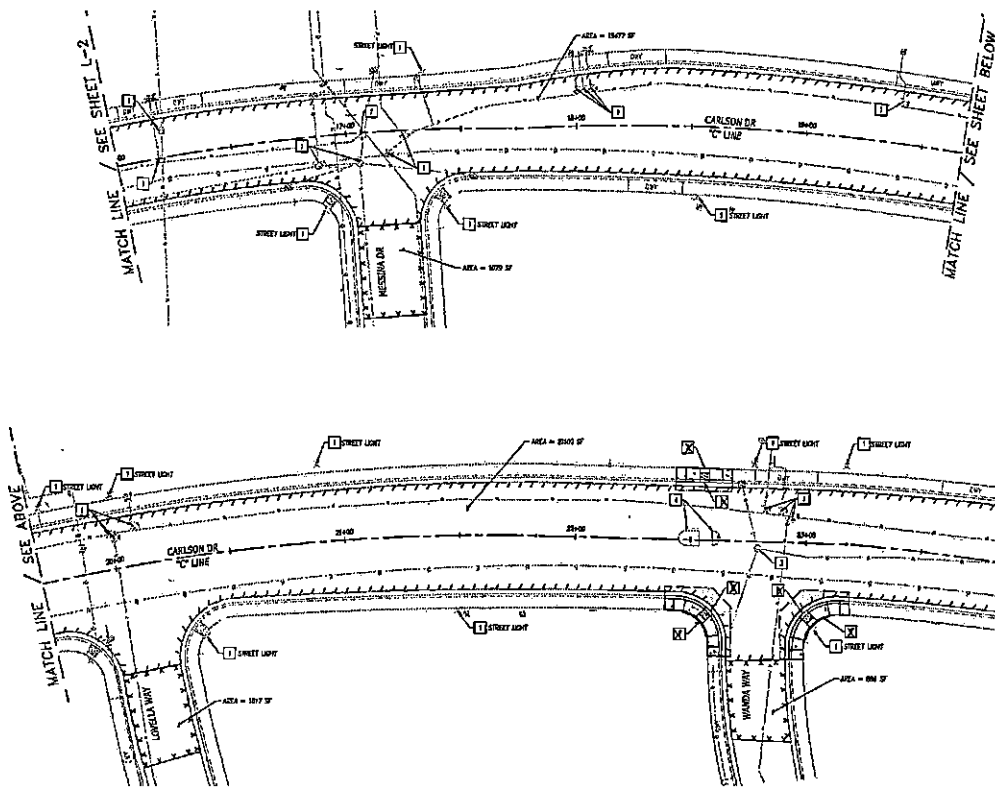
- LAYOUT AND STRIPING NOTES:
- 1. PROJECT IN PLACE
 - 2. REMOVE AND REPLACE STRIPS FOR CURB RAMP AND STRIPED LANE PER CITY STD AND SD 7-79 AND 7-80
 - 3. ADJUST MANHOLE TO GRADE
 - 4. PROJECT POSITIONING BETWEEN ISLAND IN PLACE
 - 5. INSTALL MANHOLE COPIES AT 4" ON CENTER PER DETAIL 5, SEE SHEET CD-1
 - 6. INSTALL CURB AND GUTTER TYPE 1 PER CITY STD DETAIL 7-1

- NOTES:
1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 2. CONTRACTOR IS RESPONSIBLE FOR ALL UTILITIES IN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON RECORDS OF RECORDING RELIABILITY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO CONSTRUCTION.

- LEGEND:
- APPROXIMATE MANHOLE TOP SEAL
 - MANHOLE TOP
 - CONCRETE (SEE CITY DETAIL)
 - 1" ASPHALT CONCRETE

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEVATION DESCRIPTION		FIELD BOOK SCALE DRAWING NO. DATE BY		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BEN 3102 Serrano Avenue, Suite 100 Roseville, California 95661 916.783.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN		DWG. NO. L-2 SHEET 4 OF 24	
REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEVATION DESCRIPTION		FIELD BOOK SCALE DRAWING NO. DATE BY		DESIGNER CHECKED BY DATE		DESIGNER CHECKED BY DATE		DESIGNER CHECKED BY DATE		DESIGNER CHECKED BY DATE	

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- LAYOUT AND STRIPING NOTES:
- ☐ 1. PROTECT IN PLACE
 - ☒ 2. REMOVE AND REPLACE SINGLE FILE CURB RAMP AND REPAVED DRIVE PER CITY STD DOW TO 7-10 AND 7-10
 - ☐ 3. ADJUST MANHOLE TO GRADE
 - ☐ 4. PROTECT PEDESTRIAN RETAIN ISLAND IN PLACE
 - ☐ 5. DETAIL MODULAR CURB AT 4" ON COVER PER DETAIL A, SEE SHEET CD-1
 - ☒ 6. DETAIL CURB AND GUTTER PER 1 PER CITY STD DOW 7-11

- NOTES:
1. CONTRACTOR TO ADJUST TO GRADE ALL PAVED WITHIN ROAD REHABILITATION LIMITS (PAVED OVERLAP NOTES)
 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS (PAVED OVERLAP NOTES)
 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON RECORDS OF RECORDING AUTHORITY. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

- LEGEND:
- IMPROVEMENTS OVER EXISTING
 - INTERSECTION
 - MANHOLE (SEE CITY DETAIL)
 -

REVISIONS NO. DESCRIPTION DATE BY			BENCH MARK ELEV. DESCRIPTION 1.11 1.12 1.13			FIELD BOOK SCALE: 1"=40'-0" NORTH: 1/2"=40'-0" DATE: 8/25/09			CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS DESIGN BY: J. ANDERSON CHECKED BY: J. GILLY DATE: 8/25/09			BENEN 1001 Swarth Avenue, Suite 100 Sacramento, California 95811 916.785.4100			IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN			SHEET NO. L-3 OF 5 DATE 24		
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The image displays two sheets of a technical drawing, likely a site plan or map, showing a street layout with match lines and area calculations.

Top Sheet:

- Match Lines:** "MATCH LINE / SEE SHEET L-3" on the left and "MATCH LINE / SEE SHEET BELOW" on the right.
- Streets:** CARLSON DR, STREET LIGHT, and HODGSON AVE.
- Area Calculations:** AREA = 1440 SF, AREA = 1903 SF, and AREA = 1003 SF.
- Other Labels:** STREET LIGHT, CARLSON DR, HODGSON AVE, and a north arrow.

Bottom Sheet:

- Match Lines:** "MATCH LINE / SEE ABOVE" on the left and "MATCH LINE / SEE SHEET L-5" on the right.
- Streets:** CARLSON DR, STREET LIGHT, and HODGSON AVE.
- Area Calculations:** AREA = 1920 SF, AREA = 808 SF, and AREA = 720 SF.
- Other Labels:** STREET LIGHT, CARLSON DR, HODGSON AVE, and a north arrow.

- LAYOUT AND STRIPING NOTES:**
- ☐ 1. PROTECT IN PLACE
 - ☒ 2. REMOVE AND REPLACE SINGLE PAIR CURB RAMP AND TRANSCURED DOME PER CITY STD. PING AND 7-70 AND 7-70
 - ☐ 3. ADJUST MANHOLE TO GRADE
 - ☐ 4. PROTECT PEDESTRIAN REFUGE ISLAND IN PLACE
 - ☐ 5. DETAIL MODULAR CURB AT 45° ON CORNER FOR DETAIL 4, SEE SHEET CD-1
 - ☒ 6. INSTALL CURB AND GUTTER TYPE 1 PER CITY STD. PING 3-10

- NOTES:**
1. CONTRACTOR TO ADJUST TO GRADE ALL VOLUMES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO PROTECT ALL VOLUMES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS, UNLESS OTHERWISE NOTED.
 3. UTILITY RELOCATION SHOWN IS APPROXIMATELY BASED ON SURVEYS OF EXISTING UTILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO RELOCATION.

- LEGEND:**
- | | |
|---|---------------------------------|
|  | WORKSURFACE
PARALLEL TO SEAL |
|  | WORKSURFACE |
|  | CONCRETE (SEE CITY DET-485) |
|  | 1 1/2\" |

[illegible]



- LAYOUT AND STRIPING NOTES:**
- ☐ 1. PROTECT IN PLACE
 - ☒ 2. REMOVE AND REPLACE SINGLE PAV. CONC. STRIP AND REINFORCE CONC. PER CITY STD. DWG. AND T-79
 - ☐ 3. ADJUST MANHOLE TO GRADE
 - ☐ 4. PROTECT PERMANENT REFUGE ISLAND IN PLACE
 - ☐ 5. INSTALL MODULAR CURB AT 4" ON CENTER PER DETAIL 3, SEE SHEET CO-1
 - ☒ 6. INSTALL CURB AND GUTTER TYP. 8 PER CITY STD. DET. T-72

- NOTES:**
1. CONTRACTOR TO ADJUST TO GRADE ALL SOURCES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARIOUS RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
- | | |
|---|--------------------------------------|
|  | MASONRY SURFACE
RANDOMLY SET STAL |
|  | MASONRY SURFACE |
|  | CONCRETE (SEE CITY DETAILS) |
|  | 12" ASPHALT CONCRETE |



REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK DESCRIPTION ELEV. --- FT.				FIELD BOOK SCALE DRAWN BY: J. M. GARDY DESIGN BY: J. M. GARDY CHECKED BY: J. M. GARDY DATE: 06/11/02 DATE: 06/11/02 R.C.E. DATE: 06/11/02				CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BEN 2781 Sunrise Avenue, Suite 100 Sacramento, California 95833 916.763.4100				IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN				REVISIONS NO. L-5 DATE 7 BY 24			
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Technical drawing of a street intersection showing curb ramps and project work. The drawing includes labels for "MATCH LINE / SEE SHEET L-5" and "MATCH LINE / SEE SHEET L-7". It shows a four-way intersection with streets labeled: STATE AVE, CARLSON DR, and OLIVER AVE. The drawing includes various street layout details, including curb ramps, sidewalks, and street lighting. Key areas are labeled with their respective areas: AREA = 674 SF, AREA = 1374 SF, AREA = 1246 SF, AREA = 462 SF, AREA = 1455 SF, AREA = 257 SF, and AREA = 876 SF. The drawing also includes a "C- LINE" label and a "STREET LIGHT" label.

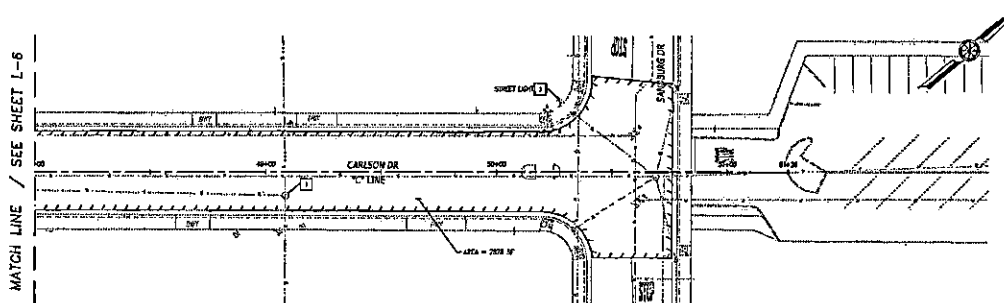
- LAYOUT AND STRIPING NOTES:**
- ☐ 1. PROTECT IN PLACE
 - ☐ 2. REMOVE AND REPLACE SINGLE PAVE CURB ISLAND AND TRANSFER DOWN PER CITY STD AND T-73 AND T-74
 - ☐ 3. ADJUST MANHOLE TO GRADE
 - ☐ 4. PROTECT PEDESTRIAN REFUGE ISLAND IN PLACE
 - ☐ 5. INSTALL LOCULAR CURB AT 4" ON CENTER PER DETAIL 3, SEE SHEET CD-1
 - ☒ 6. INSTALL CURB AND OUTLET TYPE 3 PER CITY STD AND T-73

- NOTES:**
1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
 3. UTILITY INFORMATION SHOWN IS APPROPRIATE BASED ON SOURCES OF VARIOUS RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
- | | |
|---|-------------------------------|
|  | MOOSEFACE
AIRPORT GIP SEAL |
|  | MOOSEFACE |
|  | CONCRETE (SEE CITY DETAILS) |
|  | 2" ASPHALT CONCRETE |

REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK DESCRIPTION ELEV.		FIELD BOOK SCALE NORTH: TYPED WORD: S.S. DATE: 11/14/78		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS DESIGN BY: JENNIFER R.C.E. S/A: DATE: 11/14/78				BEN 1701 Surfland Avenue, Suite 110 Roseville, California 95661 916.763.4100				IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN				SHEET NO. L-6 OF 8 R131000035 24	
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NOT STAMP. **Left** - **Right** - **Top** - **Bottom**



- LAYOUT AND STRIPING NOTES:**
- ☐ 1. PROTECT IN PLACE
 - ☒ 2. REMOVE AND REPLACE SINGLE PAIR CURB BUMP AND STRIPED BUMP PER CITY STD RING 7-75 AND 7-78
 - ☐ 3. ADJUST MANHOLE TO GRADE
 - ☐ 4. PROTECT PEDESTRIAN REFUGE REMAIN IN PLACE
 - ☐ 5. INSTALL MODULAR CURBS AT 4" ON CENTER PER DETAIL 1. SEE SHEET 20-1
 - ☒ 6. DETAIL CURB AND GUTTER TYPE II PER CITY STD DETAIL 2.

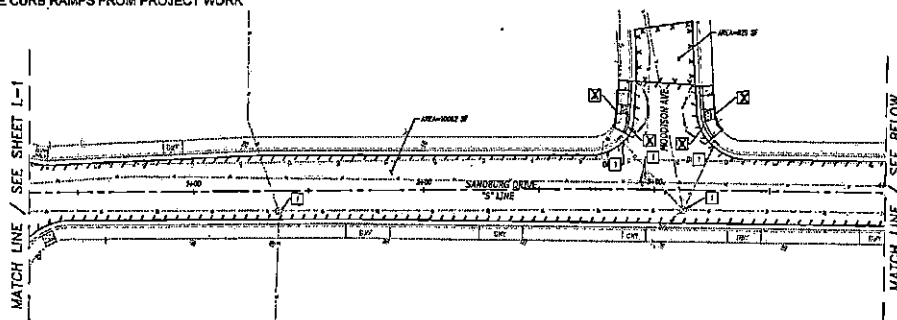
- NOTES:**
1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD RESURFACED AREA UNLESS OTHERWISE NOTED.
 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD RESURFACED AREA UNLESS OTHERWISE NOTED.
 3. UTILITY INFORMATION SHOWN IS APPROPRIATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
-  MICROSURFACE REINFORCED CHIP SEAL
 -  MICROSURFACE
 -  CONCRETE (SEE CITY DETAILS)
 -  12\" ASPHALT CONCRETE

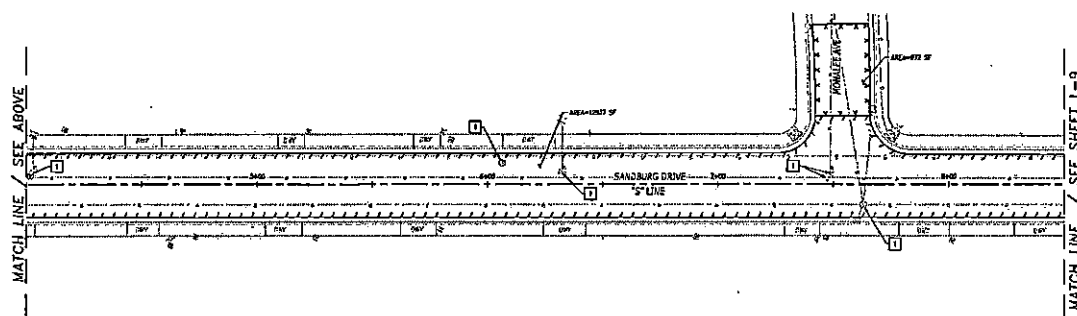
REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK DESCRIPTION DIV. 22-11		FIELD BOOK NO.		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BEN IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN		DWS. NO. L-7 SHEET 9 OF 24	
SCALE HORIZ. 1"=40' VERT. 1"=4'				DRAWN BY: MUMFORD DATE: 5/15/78		CHECKED BY: JENNIFER DATE: 5/15/78		1002 Sutter Avenue, Suite 100 Sacramento, California 95841 916-431-1500							
				DESIGN BY: JENNIFER DATE: 5/15/78		CHECKED BY: CASHIN DATE: 5/15/78									



ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- LAYOUT AND STIPPLE NOTES:**
- [1] PROTECT IN PLACE
 - [2] REMOVE AND REPLACE SINGLE PAV CURB RAMP AND REPAVED DRIVE FOR CITY STD RAMP NO 7-10 AND 7-10
 - [3] ADJUST RAMPABLE TO GRADE
 - [4] PROTECT PEDESTRIAN RAMP DRIVE IN PLACE
 - [5] INSTALL CURB DRIVE AT 4" ON CENTER FOR DRIVE 1, SEE SHEET C-1
 - [6] INSTALL CURB DRIVE AND CENTER DRIVE 1 FOR CITY STD (SEE 7-1)

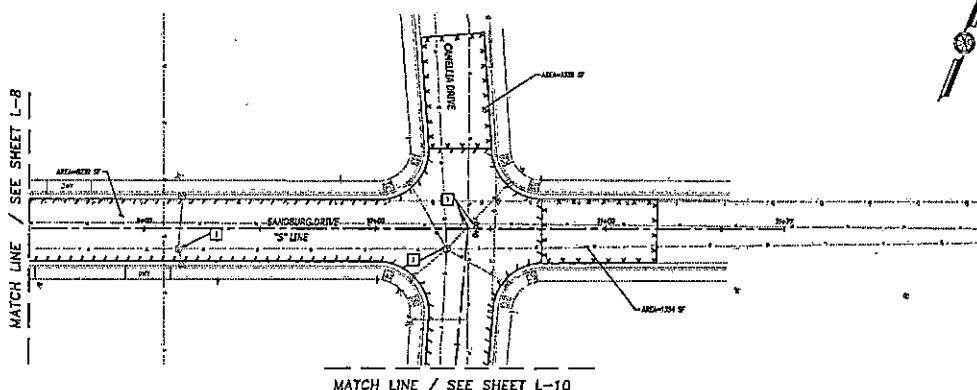


- NOTES:**
1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD RECONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
 2. REDUCED TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD RECONSTRUCTION LIMITS UNLESS OTHERWISE NOTED.
 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SURVEY OF EXISTING UTILITIES. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
- [Symbol] MODIFIED
 - [Symbol] RECONSTRUCT
 - [Symbol] MODIFIED
 - [Symbol] CONCRETE (SEE CITY DETAILS)
 - [Symbol] 12" ASPHALT CONCRETE

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. 111.11 DESCRIPTION	FIELD BOOK SCALE HORIZ. 1"=20' VERT. 1"=4' DATE 10/14/78	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BEN 3100 SUTTER AVENUE, SUITE 100 SACRAMENTO, CALIFORNIA 95811 916/783-4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE LAYOUT PLAN		SHEET NO. L-8 OF 10 24
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- LAYOUT AND STRIPPING NOTES:
- 1. PROJECT IN PLACE
 - 2. REMOVE AND REPLACE SINGLE PAV CURB RAMP AND SANDBURG DRIVE PER CITY SPEC NO. 7-10 AND 7-11
 - 3. ADJUST RAMPWIDE TO GRADE
 - 4. PROTECT POWEREQUIPMENT ISLANDS IN PLACE
 - 5. INSTALL CURB CLAMP AT 4" ON EXTERIOR PER DETAIL 1, SEE SHEET CD-1
 - 6. INSTALL CURB AND CENTER PAVES 8 PER CITY SPEC NO. 7-10

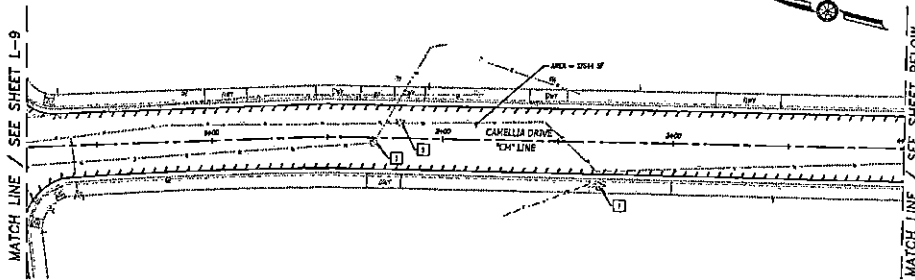
- NOTES:
- 1. CONSTRUCTION TO ADJUST TO GRADE ALL EXISTING WITHIN ROAD RECONSTRUCTION LIMITS UNLESS OTHERWISE NOTED
 - 2. CONSTRUCTION TO PROTECT ALL UTILITIES IN PLACE, EXCEPT ROAD RECONSTRUCTION LIMITS, UNLESS OTHERWISE NOTED
 - 3. VERIFY INFORMATION SHOWN IS APPROPRIATE BASED ON SURVEY OF EXISTING CONDITIONS. CONTRACTOR SHALL POSTHOLE LOCATE ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION

- LEGEND:
- 1. INTERSECTION RECONSTRUCTED CURB SEAL
 - 2. INTERSECTION
 - 3. KERBSIDE (SEE CITY DETAIL)
 - 4. 1" ASPHALT CONCRETE

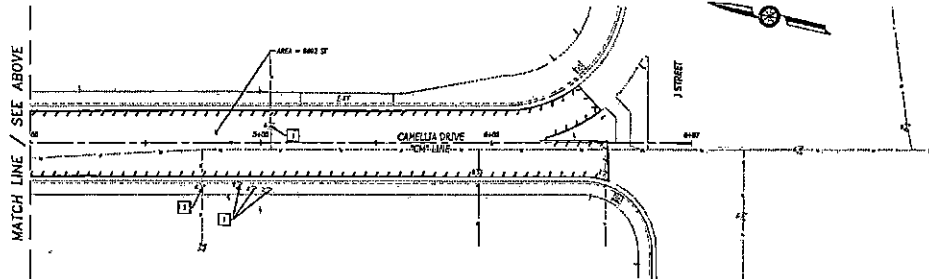


REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. 11.11 11.11 11.11 11.11	FIELD BOOK SCALE HORIZ. 1"=50' VERT. 1"=10' DATE 01/11/20	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS DRAWN BY: J. LINDSEY CHECKED BY: J. LINDSEY DATE 01/11/20		BEN 3002 Sutter Avenue, Suite 100 Sacramento, California 95841 916.442.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE LAYOUT PLAN		SHEET NO. L-9 SHEET 11 OF 24
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



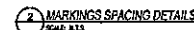
- LAYOUT AND SURFING NOTES:**
- 1. PROTECT IN PLACE
 - 2. REMOVE AND REPLACE DRIVE PAVEMENT TRAMP AND
 - 3. BALANCE WORK PER CITY STD ENG NO 7-20 AND 7-21
 - 4. ADJUST WALKWAY TO GRADE
 - 5. PROTECT PEDESTRIAN DRIVE DRIVE IN PLACE
 - 6. DETAIL TYP. DRIVE AS AT ON CENTER PER DETAIL 1 SEE SHEET 20-1
 - 7. DETAIL CURB AND GUTTER TYPE 1 PER CITY STD ENG 7-1



- NOTES:**
- 1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD REHABILITATION LIMITS (SEE ENGINEERING NOTES)
 - 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS (SEE ENGINEERING NOTES)
 - 3. UTILITY INFORMATION SHOWN IS APPROPRIATE BASED ON RECORDS OF SURVEY. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
- 1. MICROEMULSION
 - 2. MICROEMULSION
 - 3. CONCRETE (SEE CITY DETAILS)
 - 4. 1" ASPHALT CONCRETE

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. DATE BY	FIELD BOOK SCALE: HORIZ. 1"=50' VERT. 1"=5' DATE: 04/10/08	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BEN 3000 Shattuck Avenue, Suite 100 Sacramento, California 95841 916/783-1100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CAMELLIA DRIVE LAYOUT PLAN		SHEET NO. 12 OF 24 DATE: 04/10/08
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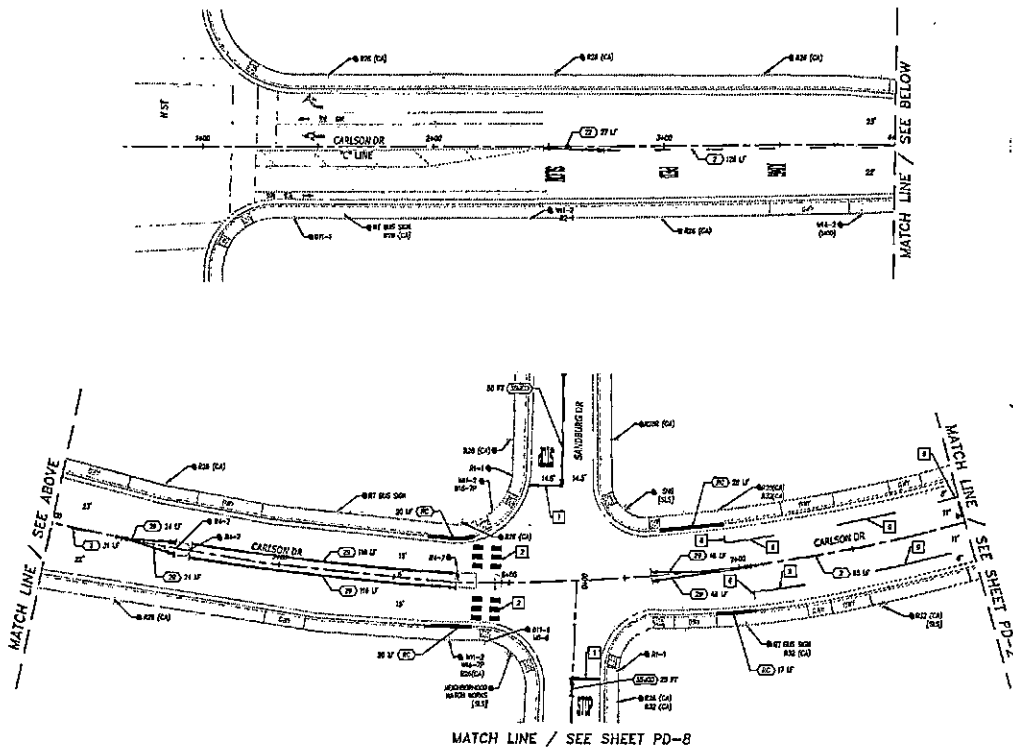
FIELD BOOK	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS					
SCALE	DRAWN BY: M. W. WOOD		DESIGN BY: M. W. WOOD		CHECKED BY: C. W. WOOD	
NO. 1	DATE: 1/1/70	R.C.E. N/A	DATE: 1/1/70	R.C.E. N/A	DATE: 1/1/70	DATE: 1/1/70

BEN
1002 Sunrise Avenue, Suite 10
Roseville, California 95661
918,783,4100

IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION
CARLSON DRIVE
SIGNAGE AND STRIPING

OWO. NO.
SS-1
SHEET
13
OF
24

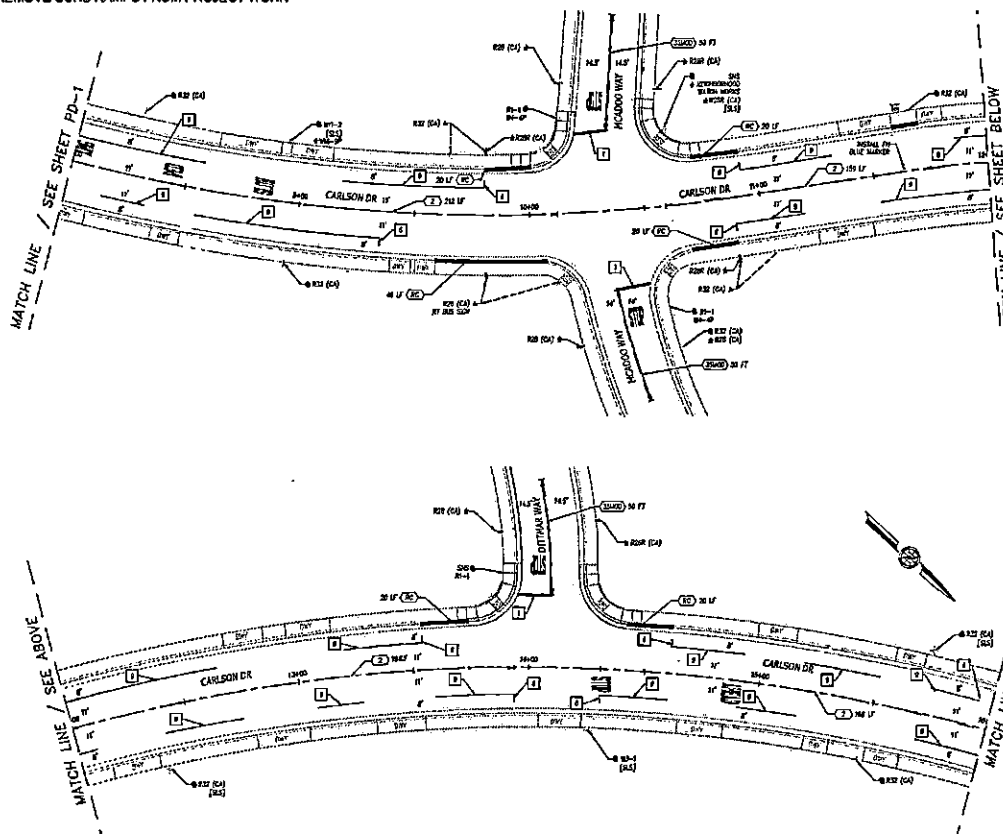
ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- STRIPING NOTES:**
1. METAL 1/2" WHITE STRIPE
 2. METAL TYPED FOUR CORNERED FOR CITY STD
 3. METAL WHITE LAMIN CROSSWALK FOR CITY STD
 4. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 5. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 6. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 7. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 8. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 9. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
 10. METAL 4" WHITE 45 DEGREE STRIPE FOR CITY STD
- NOTES:**
1. DIMENSIONS IN PARENT ALL VALUES IN PLACE UNLESS OTHERWISE NOTED
 2. UTILITY INFORMATION SHOWN IS APPROPRIATE BASED ON RECORDS OF THE CITY OF SACRAMENTO. ALL UTILITIES SHOWN ARE FOR INFORMATION ONLY. ALL UTILITIES SHOWN ARE FOR INFORMATION ONLY.
- LEGEND:**
- 1. CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
 - 2. BLUE LANE PAVEMENT MARKING FOR MATCH POLE 80-300
 - 3. TYPE B LANE MARKING (11' OR 12' PAVEMENT MARKING FOR CALTRANS STD PLAN A24
 - 4. TYPE 1 10'-12' LANE MARKING FOR CALTRANS STD PLAN A24
 - 5. STOP PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 6. AHEAD PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 7. PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 8. LONG PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 9. SLOW PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 10. SCHOOL PAVEMENT MARKING FOR CALTRANS STD PLAN A20
 - 11. INSTALL ROADSIDE SIGN
 - 12. RELOCATE EXISTING SIGN
 - 13. EXISTING ROADSIDE SIGN TO REMAIN
 - 14. REMOVE ROADSIDE SIGN
 - 15. EXISTING ROADSIDE SIGN LOCATION (POST MOUNTED)
 - 16. PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
 - 17. EXISTING FIRE HYDRANT

REVISIONS		BENCH MARK		FIELD BOOK		CITY OF SACRAMENTO		BEN		IMPROVEMENT PLANS FOR		SS-2	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DEPARTMENT OF PUBLIC WORKS	NO.	DESCRIPTION	DATE	BY	DEPARTMENT OF PUBLIC WORKS	NO.
1	ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK	10/1/20	MANAGER					1	ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK	10/1/20	MANAGER		
2								2					
3								3					
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6								6					
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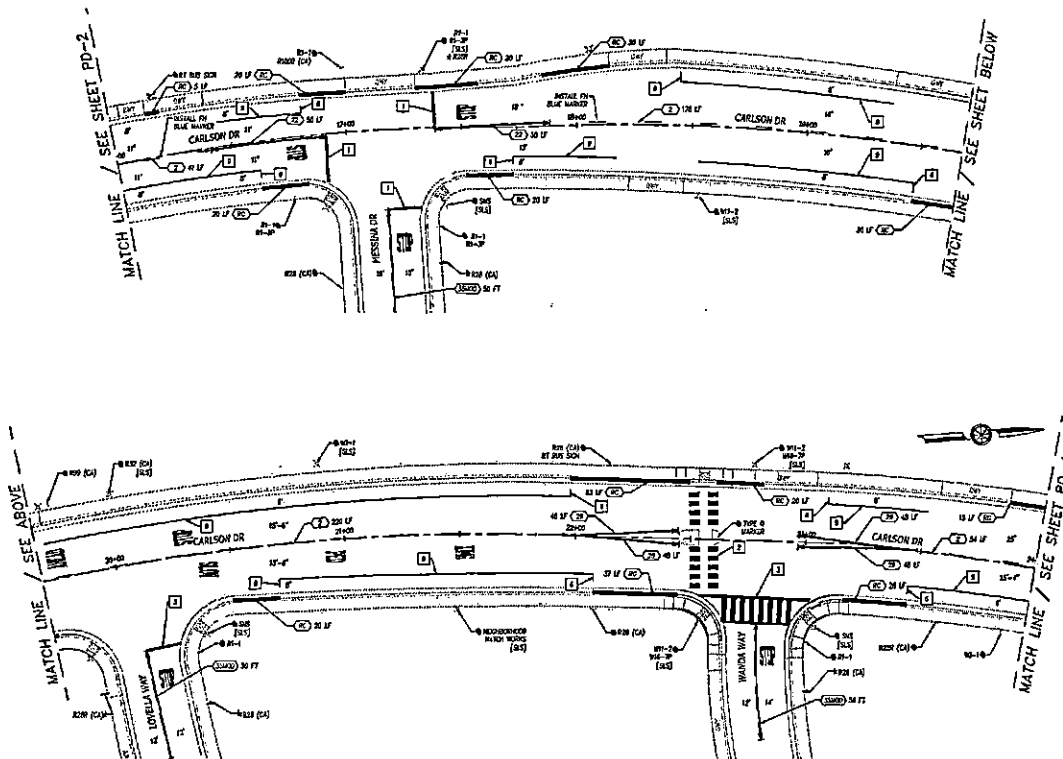
ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- STANDING NOTES:**
- 1 INITIAL M¹ WHITE STOPPER
 - 2 INITIAL TIE FROM CROSSOVER PER CITY STD PER 2500
 - 3 INITIAL WHITE LARKER CROSSOVER PER CITY STD PER 2500
 - 4 INITIAL M¹ WHITE OF BROWNS STRIPS @ 6.2
 - 5 INITIAL WHITE MARK STRIPING PER CITY STD PER 2500
 - 6 INITIAL M¹ WHITE PAVEMENT AND PROJECT SIGN ON EACH SIDE
 - 7 INITIAL YELLOW LARKER CROSSOVER PER CITY STD PER 2500
 - 8 INITIAL YELLOW STRIPES FROM CROSSOVER PER CITY STD PER 2500
 - 9 INITIAL M¹ AND WHITE STOPPER
 - 10 INITIAL YELLOW CURB @ 4" ON GRADIENT PER DETAIL & SEE DETAIL C-1
- NOTES:**
- 1. CALCULATOR PROJECT ALL VALUES IN PLACE, EXCEPT CONC. VALUES
 - 2. DISPLAY MATERIALS LIST IS APPROPRIATE BASED ON PROJECT AND QUALITY CONTROL/QUALITY ASSURANCE ALL EXISTING FACILITIES PER CITY STD
- LEGEND:**
- 1 CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
 - 2 ROAD LAKE PAVEMENT MARKING PER TYPE 11 ABOVE (AL OR BY) PAVEMENT MARK PER CITY STD PER 2500 A20A
 - 3 TYPE 11 OR 11.5 STRIPING PAVEMENT MARKING PER CITY STD PER 2500 A20A
 - 4 STOP PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 5 AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 6 AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 7 YIELD PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 8 YIELD PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 9 SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 10 SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A20
 - 11 AHEAD ROADSIDE SIGN
 - 12 ACTUAL DISTING SIGN
 - 13 ROADSIDE SIGN TO REMAIN
 - 14 ROADSIDE SIGN
 - 15 DISTING ROADSIDE SIGN LOCATION
 - 16 PROPOSED ROADSIDE SIGN LOCATION (NOT MOUNTED)
 - 17 PROPOSED ROADSIDE SIGN LOCATION (NOT MOUNTED)
 - 18 DISTING SIGN IN/OUT

REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK DESCRIPTION ELEV.		FIELD BOOK SCALE OPENED BY: <u> </u> DRAWN BY: <u> </u> CHECKED BY: <u> </u> DATE: <u> </u> NO. <u> </u> PLOT <u> </u> P.C.E. <u> </u> DATE <u> </u>		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BENSON 1801 Geneva Avenue, Suite 100 Sacramento, California 95811 916.441.4100		HOLD IN FILE IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING		SHEET 15 OF 24	DATE 05-31-01
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



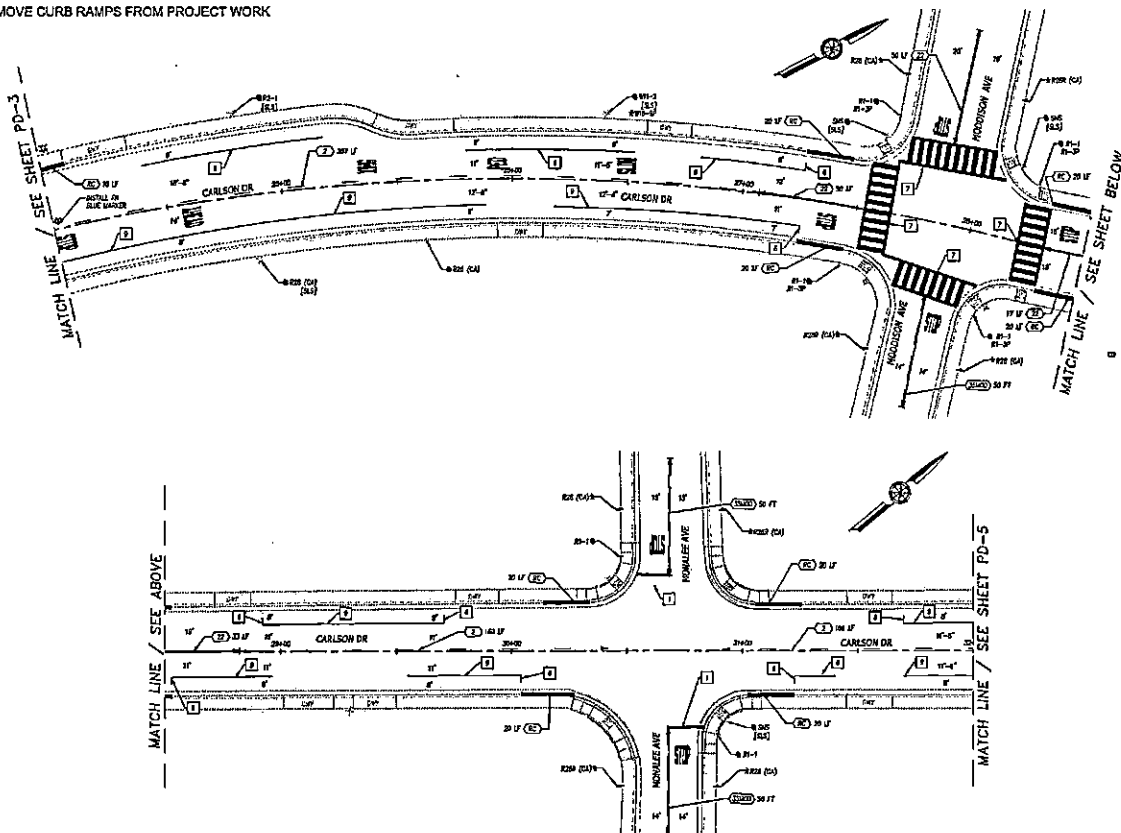
- STRIPING NOTES:**
- 1 INSTALL 1" WHITE SURF
 - 2 INSTALL DOUBLE FOUR CROSSWALK PER CITY STD
 - 3 INSTALL WHITE LADDER CROSSWALK PER CITY STD
R/W 2'-3/8"
 - 4 INSTALL 4" WHITE 4" DIAGONAL STRIPS @ 6.0
 - 5 INSTALL SPEED MARK STRIPING PER CITY STD
R/W 3'-3/8"
 - 6 INSTALL 4" WHITE PARALLEL AND BRACKET STRIPS
PER D.M. ON SHIRT 15'-0"
 - 7 INSTALL YELLOW LADDER CROSSWALK PER CITY STD
R/W 2'-0"
 - 8 INSTALL YELLOW THREE FOUR CROSSWALK PER CITY
STD D.M. 3'-0"
 - 9 INSTALL 4" SOLID WHITE STRIP
 - 10 INSTALL MARKER PAINT @ 4" ON CENTER PER
CITY STD

- NOTES:**
1. CONSTRUCTION TO PROTECT ALL UTILITIES IN PLACE, UNDER OR OTHERWISE NOTICED.
 2. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARIOUS REPUTABLE. CONTRACTOR SHALL POSITION/Locate ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

- ## LEGEND
- CP** CALTRANS STOPPING DETAIL NUMBER WITH ENGINEER IN FIELD
- TYPE LANE PAVENT MARKING MUTATED (RUE 90-100)
- TYPE AN ARROW OR OF THE PAVENT MARKING STOP PAVENT STD PLAN A240
- TYPE A VET- ARROW PAVENT MARKING STOP PAVENT STD PLAN A240
- STD** STOP PAVENT MARKING PER CALTRANS STD PLAN A240
- CP** AHEAD PAVENT MARKING PER CALTRANS STD PLAN A240
- CP** PER PAVENT MARKING PER CALTRANS STD PLAN A240
- CP** YAW PAVENT MARKING PER CALTRANS STD PLAN A240
- CP** SLOW PAVENT MARKING PER CALTRANS STD PLAN A240
- STD** SCHOOL PAVENT MARKING PER CALTRANS STD PLAN A240
- 1** INSTALL ROADSIDE SIGN
- 1** RELOCATE EXISTING SIGN
- 1** EXISTING ROADSIDE SIGN TO REMAIN
- 1** REMOVE ROADSIDE SIGN
- 1** EXISTING ROADSIDE SIGN LOCATION
- 1** PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
- 1** PROPOSED ROADSIDE SIGN LOCATION (SIGN MOUNTED)
- 1** EXISTING RISE HYDRANT
-

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK DESCRIPTION DATE BY		FIELD BOOK		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING		DATE IN FILE 11/1/03	DWG. NO. SS-1000000	SHEET NO. 18	TOTAL SHEETS 24
SCALE HORIZONTAL 1"=40' VERTICAL 1"=40'		DRAWN BY R.C.G. DATE 04/02/03		CHECKED BY R.C.G. DATE 04/02/03		PROJECT NO. 04-000000		PROJECT NAME CARLSON DRIVE		PROJECT LOCATION 10000 Carlson Drive, Suite 100 Sacramento, California 95834 916-763-4100		DATE 11/1/03	DWG. NO. SS-1000000	SHEET NO. 18	TOTAL SHEETS 24

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



STRIPING NOTES:

1. INSTALL 12" WHITE STRIPE
2. INSTALL TRIPLE YELLOW CROSSWALK PER CITY STD
3. INSTALL WHITE LANE CROSSWALK PER CITY STD
4. INSTALL 4" WHITE 45° DIAGONAL STRIPE 8" WIDE
5. INSTALL SPEED HUMP STRIPING PER CITY STD
6. INSTALL 4" WHITE PAVEMENT DIB STRIPING PER CITY STD
7. INSTALL YELLOW LANE CROSSWALK PER CITY STD
8. INSTALL YELLOW LANE CROSSWALK PER CITY STD
9. INSTALL 4" SOLID WHITE STRIPE
10. INSTALL WHITE LANE CROSSWALK AT 14' ON CENTER PER CITY STD

NOTES:

1. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE, UNLESS OTHERWISE NOTED.
2. ALL UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON RECORDS OF THE CITY OF SACRAMENTO. CONTRACTOR SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION.

LEGEND:

- 1. CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
- 2. EXIST LANE PAVEMENT MARKING PER MUTCD FIGURE 3C-2(C)
- 3. TYPE IV ARROW (ALL OR R/L) PAVEMENT MARKING PER CALTRANS STD PLAN A244
- 4. TYPE I 31'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A244
- 5. STOP PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 6. AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 7. PER PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 8. XING PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 9. SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 10. SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 11. * INSTALL ROADSIDE SIGN
- 12. * RELOCATE EXISTING SIGN
- 13. * EXISTING ROADSIDE SIGN TO REMAIN
- 14. * REMOVE ROADSIDE SIGN
- 15. * EXISTING ROADSIDE SIGN LOCATION (POST MOUNTED)
- 16. * PROPOSED ROADSIDE SIGN LOCATION (SIDE MOUNTED)
- 17. * EXISTING FIRE HYDRANT

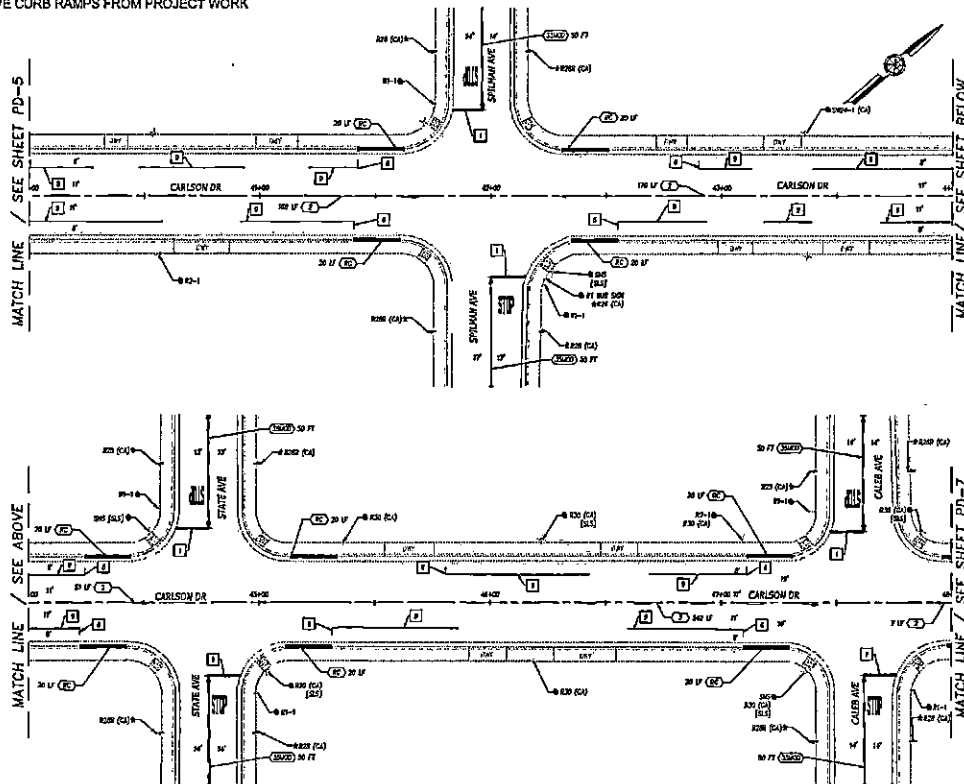
REVISIONS				BENCH MARK DESCRIPTION ELEV DATE	FIELD BOOK	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BENEN Engineering 3781 Sutter Avenue, Suite 100 Sacramento, California 95811 1318.781.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING		SHEET NO. 24
NO.	DESCRIPTION	DATE	BY			DESIGN BY	DESIGN DATE	CHECKED BY	CHECK DATE				
1	ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK	01/15/20											



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REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK DESCRIPTION ELEV. FT.		FIELD BOOK SCALE HORIZ. TYPED VERT. TYPED DATE		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS DRAWN BY: H. KENT R.C.E. NO. DATE: 04/24/01		DESIGN BY: J. DUNN R.C.E. NO. DATE: 04/24/01		CHECKED BY: S. LEE P.C.E. NO. DATE: 04/24/01		BENTON 1552 Georgia Avenue, Suite 352 Roseville, California 95661 (916) 793-4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING		CWS NO. SS-6 16 24	RST-000003
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



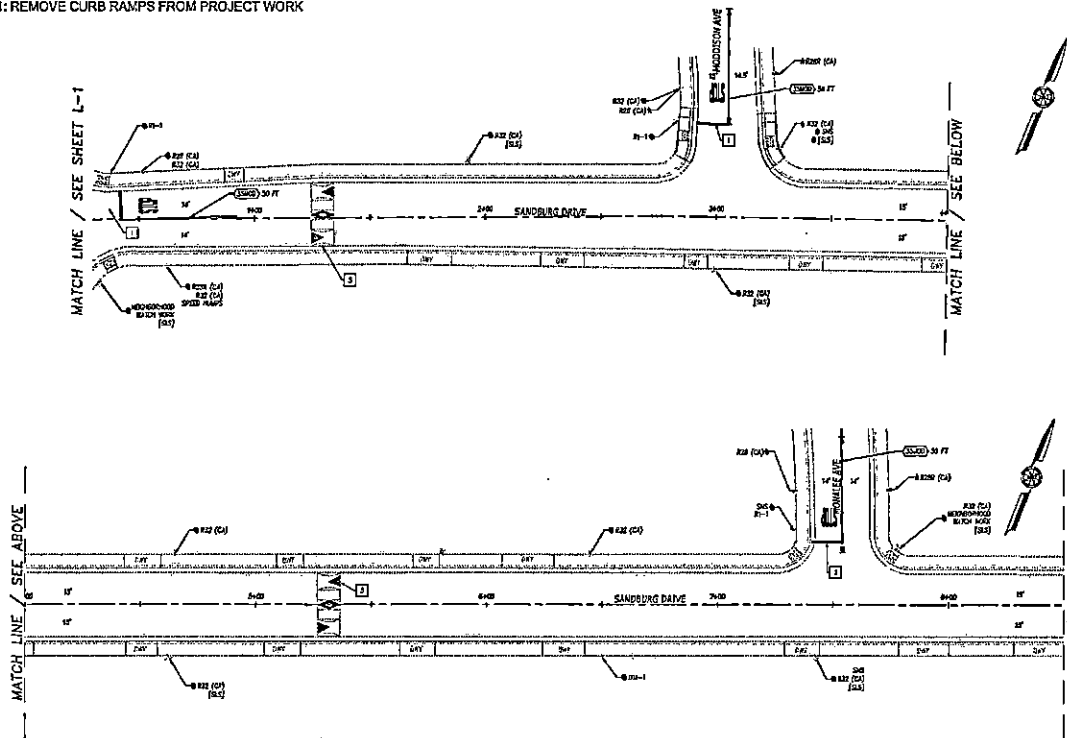
- STRIPPING NOTES:**
1. INSTALL 12" WHITE STRIPE
 2. INSTALL TRIPLE FOUR CROSSWALK PER CITY STD
 3. INSTALL WHITE LAMBER CROSSWALK PER CITY STD
 4. INSTALL 4" WHITE 45° DIAGONAL STRIPE 5' S.C.
 5. INSTALL SPEED HUMP STOPPING PER CITY STD 5-20
 6. INSTALL 4" WHITE PAVING AND BROADWAY STOPPER PER CITY STD 5-1
 7. INSTALL YELLOW LAMBER CROSSWALK PER CITY STD 5-10
 8. INSTALL YELLOW REFLECTOR CROSSWALK PER CITY STD 5-10
 9. INSTALL 4" SOLID WHITE STRIPE
 10. INSTALL MEDIAN MARK 17' 4" ON CENTER PER CITY STD 5-1, SEE SHEET PD-1

- NOTES:**
1. CONTINUOUS TO PROTECT ALL UTILITIES IN PLACE, BARRIERS AND/OR SIGNS
 2. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON RECORDS OF RECORDING ACCURACY. CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.

- LEGEND:**
- 1. CALTRANS STOPPING DETAIL, MINIMUM WIDTH LENGTH IN FEET
 - 2. BLUE LINE PAVEMENT MARKING PER CALTRANS STD PLAN A244
 - 3. TYPE IV ARROW (L OR R) PAVEMENT MARKING PER CALTRANS STD PLAN A244
 - 4. TYPE I 10'-12" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A244
 - 5. STOP PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 6. AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 7. PED PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 8. 2ND PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 9. SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 10. SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A240
 - 11. INSTALL ROADSIDE SIGN
 - 12. RELOCATE EXISTING SIGN
 - 13. EXISTING ROADSIDE SIGN TO REMAIN
 - 14. REMOVE ROADSIDE SIGN
 - 15. EXISTING ROADSIDE SIGN LOCATION (POST MOUNTED)
 - 16. PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
 - 17. EXISTING FIRE HYDRANT

REVISIONS NO. DESCRIPTION DATE BY				BENCH MARK ELEVATION DESCRIPTION		FIELD BOOK DATE BY		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BEN 3000 Sacramento Avenue, Suite 100 Sacramento, California 95811 916.783.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING				SHEET NO. 88-7 13 24	
SCALE: 1"=40' DATE: 04/25/04				DRAWN BY: M. MONTGOMERY CHECKED BY: C. J. JENSEN DATE: 04/25/04		PROJECT NO.: 04/25/04 R.C.K. DATE: 04/25/04 R.C.K. DATE: 04/25/04				3000 Sacramento Avenue, Suite 100 Sacramento, California 95811 916.783.4100				SHEET NO. 88-7 13 24					

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



STRIPE NOTES:

1. ACTUAL 1" WHITE STRIPE
2. ACTUAL WHITE PAINT CROSSWALK PER CITY STD
3. ACTUAL WHITE PAINT CROSSWALK PER CITY STD
4. ACTUAL 4" WHITE HOT BURNING STRIPS 5' OC
5. ACTUAL 4" WHITE HOT BURNING STRIPS 5' OC
6. ACTUAL 4" WHITE PAINTING AND BURNING STRIPS
7. ACTUAL YELLOW PAINT CROSSWALK PER CITY STD
8. ACTUAL YELLOW PAINT CROSSWALK PER CITY STD
9. ACTUAL 4" SOLID WHITE STRIPS
10. ACTUAL YELLOW PAINT 4" 4" OR THEREBY PER CITY STD

NOTES:

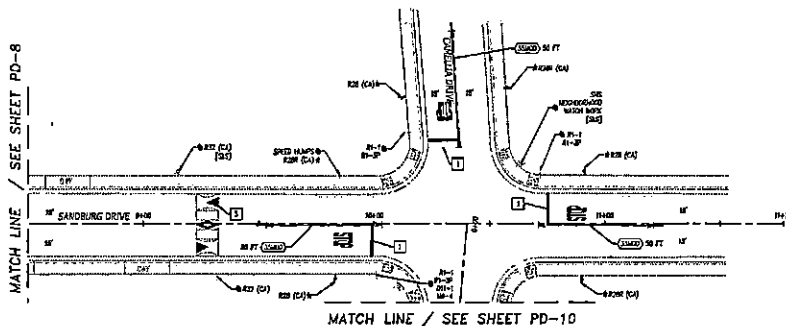
1. CONTRACTOR TO PREPARE ALL DETAILS IN PLACE, UNLESS OTHERWISE NOTED
2. ALL DETAILS SHOWN ARE APPROXIMATE BASED ON

LEGEND:

1. CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
2. TYPE LINE PAVEMENT MARKING PER CALTRANS STD PLAN A244
3. TYPE A1 ARROW (11 OR 12) PAVEMENT MARKING PER CALTRANS STD PLAN A244
4. TYPE 1 10'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A244
5. STOP PAVEMENT MARKING PER CALTRANS STD PLAN A240
6. AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A240
7. PAVEMENT MARKING PER CALTRANS STD PLAN A240
8. YIELD PAVEMENT MARKING PER CALTRANS STD PLAN A240
9. SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A240
10. SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A240
11. INSTALL ROADSIDE SIGN PER CALTRANS STD PLAN A240
12. RELOCATE EXISTING SIGN PER CALTRANS STD PLAN A240
13. REMOVE ROADSIDE SIGN PER CALTRANS STD PLAN A240
14. EXISTING ROADSIDE SIGN LOCATION (NOT MOUNTED)
15. PROPOSED ROADSIDE SIGN LOCATION (NOT MOUNTED)
16. EXISTING FIRE HYDRANT

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. DATE BY		FIELD BOOK DATE BY		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BEN 2000 Sun Ra Avenue, Suite 100 Berkeley, California 94704 TEL: 415.763.1100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE SIGNAGE AND STRIPING		CIVIL NO. SS-9 SHEET 21 OF 24
DRAWN BY: J. WILSON CHECKED BY: J. WILSON DATE: 04/11/06		DESIGN BY: J. WILSON DATE: 04/11/06		DATE: 04/11/06								

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



STRIPING NOTES:

1. INSTALL 1" WHITE STROKE
2. INSTALL TRIPLE FOUR CROSSWALK PER CITY STD PER PLAN 1-100
3. INSTALL WHITE LADDER CROSSWALK PER CITY STD PER PLAN 1-100
4. INSTALL 4" WHITE 45° DIAGONAL STROKE 5' O.C.
5. INSTALL SPEED HUMP STRIPING PER CITY STD ONE PER STRIP ON SHEET SS-1
6. INSTALL 1" WHITE PAVEMENT END WARNING STROKE PER STRIP ON SHEET SS-1
7. INSTALL YELLOW LADDER CROSSWALK PER CITY STD PER PLAN 1-100
8. INSTALL YELLOW TRIPLE FOUR CROSSWALK PER CITY STD PER PLAN 1-100
9. INSTALL 4" SOLID WHITE STROKE
10. INSTALL YELLOW CURB AT 15' ON CORNER PER STRIP & SEE SHEET SS-4

NOTES:

1. CONSTRUCTION TO PROTECT ALL UTILITIES IN PLACE, GALLEYS & SERVICE TRENCHES
2. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SURVEY OF EXISTING UTILITIES. CONSTRUCTION SHALL VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION

LEGEND:

- 1. CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
- 2. ONE LANE PAVEMENT MARKING PER CALTRANS FIGURE 9C-10(C)
- 3. TYPE IN ARROW (LA OR RD) PAVEMENT MARKING PER CALTRANS STD PLAN A244
- 4. TYPE 1 10'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A244
- 5. STOP PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 6. AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 7. PED PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 8. 3RD PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 9. SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 10. SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A240
- 11. INSTALL ROADSIDE SIGN
- 12. RELOCATE EXISTING SIGN
- 13. EXISTING ROADSIDE SIGN TO REMAIN
- 14. REMOVE ROADSIDE SIGN
- 15. EXISTING ROADSIDE SIGN LOCATION
- 16. PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
- 17. PROPOSED ROADSIDE SIGN LOCATION (SEE MOUNTED)
- 18. EXISTING FIRE HYDRANT

REVISIONS NO. DESCRIPTION DATE BY		BENCH MARK ELEV. POINT		FIELD BOOK SCALE: 1"=20' DRAWN BY: J. M. M. DATE: 8/24/01 CHECKED BY: J. M. M. DATE: 8/24/01		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS		BENEN 1081 Sutter Road, Suite 100 Sacramento, California 95811 916.782.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE SIGNAGE AND STRIPING		SHEET NO. SS-10 24
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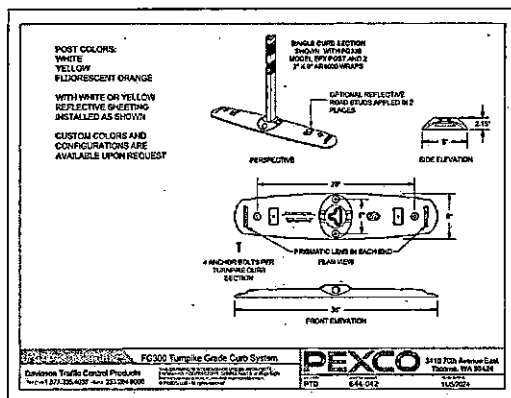
1. INSTALL 1" X 1" WHITE STONE
2. INSTALL TRIPLE FINE CROSSGRAIN PER CITY STD
EST 7-183
3. INSTALL WHITE LAMBE CROSSGRAIN PER CITY STD
EST 7-190
4. INSTALL 4" WHITE 4" RADIATION STOPS 5' O.C.
5. INSTALL SPEED HAWK STOPPING PER CITY STD PAGE
7-201
6. INSTALL 4" WHITE PAVING ONE BRICKLAY STOP
5' O.C.
7. INSTALL YELLOW LAMBE CROSSGRAIN PER CITY STD
EST 7-185
8. INSTALL YELLOW TRIPLE FINE CROSSGRAIN PER CITY
STD PAGE 7-183
9. INSTALL 4" GOLD WHITE STONE
10. INSTALL MODULAR CURB AT 42" ON GRADIENT PER
DETAIL 1, SEE DETAIL CD-1

1. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE UNLESS OTHERWISE NOTED.
2. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITION/LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

LF CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET

- 1 ONE LANE PAYMENT MARKING PER MUTCD FIGURE 9C-40(C)
- 2 TYPE 1 ARROW (41) PER PAYMENT MARKING PER MUTCD FIGURE 9C-41A
- 3 TYPE 1 180° ARROW PAYMENT MARKING PER MUTCD FIGURE 9C-41A
- 4 STOP PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 5 AHEAD PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 6 PER PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 7 LONG PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 8 STOP PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 9 SLOW PAYMENT MARKING PER CALTRANS STD PLAN 42-60
- 10 INSTALL ROADSIDE SIGN
- 11 RELOCATE EXISTING SIGN
- 12 REMOVE ROADSIDE SIGN TO REPAIR
- 13 REMOVE ROADSIDE SIGN
- 14 EXISTING ROADSIDE SIGN LOCATION
- 15 PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
- 16 PROPOSED ROADSIDE SIGN LOCATION (SIDE MOUNTED)
- 17 EXISTING FIRE HYDRANT

PLAT STAMP: 2014 JUN 14 10:00 AM



1 MODULAR CURB DETAIL
SCALE: N.T.S.

REVISIONS				BENCH MARK				FIELD BOOK				CITY OF SACRAMENTO				BEN				IMPROVEMENT PLANS FOR				SHEET NO.			
DESCRIPTION				DESCRIPTION				ELEV. DATE BY				DEPARTMENT OF PUBLIC WORKS				ENGINEER				CARLSON DRIVE REHABILITATION				CD-			



Item 5: Updated Special Provisions

- Special Provisions have been updated to reflect the changes in proposed work. Items removed from the project have been struck through. Modifications or additions to text are shown in **bold and red**.

TABLE OF CONTENTS
CARLSON DRIVE REHABILITATION
BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)

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**SPECIAL PROVISIONS
FOR
CARLSON DRIVE REHABILITATION
BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)**

1. GENERAL REQUIREMENTS

1.1 SCOPE AND LOCATION OF WORK

The following items of work are to be performed in these Special Provisions:

The repaving of Carlson Drive from H St to Sandburg Drive within the City limits.

The work includes treating the pavement with an asphalt rubberized cape seal, striping removal and replacement, updating 21 curb ramps to current ADA standards.

The underground work includes adjusting maintenance holes to match new grades.

1.2 SPECIFICATIONS

The work to be performed under this contract shall be in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the City Standard Specifications of the City of Sacramento, adopted June 2020, referred to herein as "Standard Specifications" and any amendments. Reference is also made to 2025 California Department of Transportation Standard Specifications, referred to herein as "State Standard Specifications" and any amendments. The General Requirements of this contract shall be governed by these Special Provisions first, followed by Section 1 through Section 8 of the Standard Specifications. Other standards or specifications specified in these Special Provisions govern only the applicable technical specifications unless otherwise specified in these Special Provisions.

1.3 ORDER OF WORK

~~Contractor may begin curb ramp and surface preparation work immediately after contract execution. Cape Seal (chip seal and Microsurfacing) work shall be coordinated with Glenn Hall Park restoration project being performed by others. Cape Seal may not be installed until Glenn Hall Park restoration is complete.~~ When Cape Seal work is performed, under no circumstances may both Carlson Drive and Camellia Avenue be closed at the same time. Contractor shall submit a work plan describing the order they intend to prosecute work.

1.4 COMPLETION TIME

The time limit for the completion of all items of work is ~~fifty (50)~~ **twenty-five (25)** working days, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor shall pay a sum in the amount of THREE THOUSAND SIX

HUNDRED DOLLARS (\$3,600.00) as liquidated damages, and not as a penalty, for each calendar day delay after the expiration of ~~fifty (50)~~ **twenty-five (25)** working days.

The Engineer will furnish the Contractor a weekly statement showing the number of working days charged to the contract for the preceding week and the number of working days charged to date. The Contractor will be allowed fifteen (15) calendar days in which to file a written protest setting forth in what respect the Contractor disagrees with the working day statement, otherwise the working day statement of the Engineer shall be deemed to have been accepted by the Contractor as correct.

1.5 TIME OF AWARD

Section 3-2, "Time of Award," of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within Sixty (60) calendar days after opening of the proposals to the lowest responsible bidder.

1.6 PROVIDING BONDS AND SURETY

The Contractor shall provide signed agreement and surety bonds within ten (10) calendar days after receipt of notice to award by the City and prior to award by the City Council. The Contractor shall be reimbursed for all surety bond costs should the City Council not award a contract.

1.7 PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Requests for interpretation shall be made in writing and delivered to the City at least seven (7) calendar days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Requests for information regarding this procedure or other similar information shall be submitted through planet bids.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Engineer immediately but at least two (2) weeks prior to the bid opening date.

1.8 NO TRUCK HAUL ROUTE ON 28TH STREET SOUTH OF E STREET

The Contractor and its subcontractors must not use 28th Street south of E Street as part of any haul route to and from the Bell Marine Co., Inc./ Harbor Sand and Gravel located at 200 28th Street. Acceptable routes to and from the facility are as follows:

To enter facility:

North on 30th Street
West on E Street
North on 28th Street

To exit facility:

South on 28th Street
East on C Street
South on 29th Street

The Contractor shall be assessed an administrative penalty of \$500 for each Contractor or subcontractor dump truck that uses 28th Street South of E Street to enter or exit the Bell Marine Co., Inc/Harbor Sand and Gravel.

1.9 CERTIFICATE OF COMPLIANCE

The Contractor shall provide the Engineer with a manufacturer's "Certificate of Compliance" at the Engineer's request within two weeks. The Certificate of Compliance shall clearly show that the material, equipment and/or work is in compliance with the tests and specifications set forth in these contract documents.

1.10 GOLD SHOVEL STANDARD PROGRAM

On July 20, 2018, the City of Sacramento became the first municipality in California to become a Gold Shovel Certified Community. As such, the City of Sacramento is highly encouraging its contractors bidding on City projects to become Gold Shovel Certified. The Gold Shovel Standard Certification was developed to ensure that hired contractors adhere to the safest excavation standards. To learn more about the Gold Shovel Standard certification process, please visit the following website: www.goldshovelstandard.org.

1.11 COMMUNITY WORKFORCE TRAINING REQUIREMENTS

This project is not subject to the requirements of the City's Local Hire and Community Workforce Training Program and the City's Community Workforce Training Agreement (CWTA).

1.12 FINAL PAY QUANTITY

Final pay quantity is designated on the sealed bid proposal sheet with a "(F)". Final pay quantity shall conform to Section 9-1.015 "Final Pay Items" of the State Standard Specifications, except that the final pay quantity designation shall be made on the sealed bid proposal rather than the Plans.

1.13 EQUIPMENT TO BE SUPPLIED

All equipment, material and supplies called for in the specifications shall be new and currently manufactured items, unless otherwise specified. All equipment shall be complete and in operation to the satisfaction of the Engineer at the time of acceptance of the work.

All incidental parts which are not shown on the Plans or specified herein and which are necessary to complete the project shall be furnished and installed as though such parts were shown on the Plans or specified herein.

All equipment, materials, or supplies to be considered as an approved equal must be submitted to the City contact listed in PREBID INTERPRETATION OF CONTRACT DOCUMENTS, for approval no less than ten (10) calendar days prior to the bid opening date. If the City finds said equipment, materials, or supplies to be acceptable, an addendum will be issued notifying all bidders by the close of business on Friday before the bid opening date. If there is no addendum accepting an approved equal, bidders shall submit bids based on the original specified equipment, materials, or supplies.

1.14 HANDLING AND REMOVAL OF HAZARDOUS OR CONTAMINATED MATERIALS

In the event hazardous or contaminated materials are encountered at the site for which separate handling or removal provisions have not been made in these Special Provisions, the Contractor shall stop work on that item, contact the Engineer and schedule his operations to work elsewhere on the site if possible. The City will be responsible for handling and removal of hazardous material or may request that the Contractor shall be available, through contract change order, to provide additional services as needed for the completion of the work. Additional services may consist of retaining a subcontractor who possesses a California license for hazardous substance removal and remedial actions.

Hazardous or contaminated materials may only be removed and disposed of from the project site in accordance with the following provisions:

1. All work is to be completed in accordance with the following regulations and requirements:
 - a. Chapter 6.5, Division 20, California Health and Safety Code.
 - b. California Administration Code, Title 22, relating to Handling, Storage, and Treatment of Hazardous Materials. 29 Code of Federal Regulation 1910.120 relating to Hazardous Waste Operation Safety Training.
 - c. City of Sacramento Building Code and the current edition of the Uniform Building Code.
2. Coordination shall be made with the County of Sacramento Environmental Management Department, Hazardous Materials Division, and the necessary applications shall be filed.
3. All hazardous materials shall be disposed of at an approved disposal site and shall only be hauled by a current California registered hazardous waste hauler using correct manifesting procedures and vehicles displaying a current Certificate of Compliance. The Contractor shall identify by name and address the site where toxic substances shall be disposed of. NO payment

for removal and disposal services shall be made without a valid certificate from the approved disposal site that the material was delivered.

None of the forementioned provisions shall be construed to relieve the Contractor from the Contractor's responsibility for the health and safety of all persons (including employees) and from the protection of property during the performance of the work. This requirement shall be applied continuously and not be limited to normal working hours.

1.15 COORDINATION

The Contractor shall coordinate his activities in a manner that will provide the least interference with the City's operations, other contractors and utility companies working in the area, and agencies exercising jurisdiction over the project area or portions thereof.

1. At a minimum the Contractor shall coordinate his operations with the following:

- Underground Service Alert
Contractor shall contact Underground Service Alert (USA) at 1-800-227-2600, a minimum of three (3) working days prior to any excavation.
- Caleb Greenwood Elementary
Contractor shall coordinate with Caleb Greenwood Elementary at (916)395-4515, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Scottish Rite Center
Contractor shall coordinate with Scottish Rite Center at (916) 452-5881, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Sacramento Central Seventh-day Adventist Church
Contractor shall coordinate with the Seventh-day Adventist Church at (916)457-6511, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Freemont Presbyterian Church
Contractor shall coordinate with the Freemont Presbyterian Church at (916)452-7132, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Regional Transit
The Contractor shall contact the Regional Transit at dispatcher at (916)321-2897, and/or Rowan Brandt at rbrandt@sacrt.com, at least (3) working days prior to beginning work at each impacted location to notify RT of potential traffic restrictions.

- City of Sacramento Solid Waste

The contractor shall coordinate work to minimize impacts on trash pick-up days (Friday). The Contractor shall be responsible for any garden refuse piles, which are inadvertently placed in the street between the time of City pickup and the Contractor's work. The cost for removing garden refuse piles shall be included in the unit prices bid for the various items of the proposal.

The cost of coordination shall be included in the unit prices bid for the various items of the proposal and no additional compensation will be allowed therefor.

1.16 PROJECT SCHEDULING

The Contractor shall submit to the Engineer a practicable progress schedule and a schedule of values at the pre-construction meeting and within 5 days of the Engineer's written request at any other time. The Contractor shall furnish the schedules on the form of his choice. The progress schedule shall show the order in which the Contractor proposes to carry out the work, the dates on which he will start the features of the work and the contemplated dates for completion of the work. The schedule of values is submitted for use in determining progress payments. The progress schedules submitted shall be consistent in all respects with the time and order of work requirements of the contract.

The Contractor shall submit, review and update a project schedule in accordance with Section 7-2 of the Standard Specifications. Subsequent to the time that submittal of a progress schedule and a schedule of values is required in accordance with these specifications, no progress payments will be made prior to the submittal of an acceptable project schedule.

1.17 PROTECTION OF EXISTING IMPROVEMENTS

The location, alignment, and depth of existing underground utilities as shown on the Plans are taken from public records and no responsibility is assumed for their accuracy.

The Contractor's attention is directed to the provisions of Chapter 3.1 "PROTECTION OF PUBLIC UTILITIES IN PUBLIC CONTRACTS" of the California Government Code concerning protecting existing overhead and underground utilities. In particular, Section 4216 and Section 4217.

Existing improvements, utilities and adjacent property shall be protected from damage resulting from the Contractor's operations. All trees, shrubbery, grass, fences, mailboxes, walls and other improvements including existing pavements, sidewalks, street improvements, sprinkler systems and underground utilities and other improvements not to be removed under this contract shall be protected from damage by the Contractor throughout the construction period.

All painted or other disfiguring markings on the pavement, sidewalk or gutters shall be removed by the Contractor before acceptance of the work.

The Contractor will ensure that utility services to customers in the project are maintained.

The Contractor is responsible for the protection of and for damage to existing overhead and underground utility lines and services encountered during the course of construction. The Contractor shall notify the respective utility owner prior to any interruption of service.

The Contractor is expected to "pothole" existing underground utilities a minimum of ten (10) working days in advance at any location where an existing utility may be in conflict with the proposed work.

The cost of relocating existing overhead or underground utilities not specified on Plans to be relocated, but which the Contractor elects to relocate or cut and reconnect for his/her own convenience, shall be borne by the Contractor.

No compensation will be paid to the Contractor for the maintenance and protection of existing utilities and facilities. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.18 TRAFFIC HANDLING, PUBLIC SAFETY AND CONVENIENCE

The contractor's attention is directed to Sections 6 and 7 of the Standard Specifications.

The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for vehicles, pedestrians and bicycles affected by the construction work. For emergency purposes, the person responsible in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be indicated on the permit application.

The contractor shall adhere to guidelines as stated in Section 12.20.030 of Title 12 of the Sacramento City Code pertaining to Traffic Control Plan – Requirements and shall conform to the current edition of the California MUTCD. Particular attention is directed to Chapter 6D – Pedestrian and Worker Safety and Chapter 6F – Temporary Traffic Control Zone Devices, Section 6F.68 – Detectable Edging for Pedestrians.

At the end of each working day if a difference in excess of 0.2 foot exists between the elevation of the existing pavement and the elevation of any excavation within 8 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way. During excavation operations, native material may be used for this purpose, however, once the placing of the structural section commences, structural material shall be used. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. Full compensation for placing the material on a 4:1 slope, regardless of the number of times it is required, and subsequent removing or reshaping of the material to the lines and grades shown on the plans shall be considered as included in the contract price paid for the material involved and no additional compensation will be allowed therefor. No payment will be made for material placed in excess of that required for the structural section.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor at his expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Roadway excavation and the construction of embankments shall be conducted in such a manner as to always provide a relatively smooth and even surface satisfactory for use by public traffic. Skid resistance steel plates or other approved methods shall be used to cover all open excavations in the roadways and sidewalks at all times during construction

The plans shall be developed with the following requirements:

1. Working hours shall be between 8:00 AM and 5:00 PM Monday through Friday, unless otherwise approved by the Engineer.
2. Lane closures may not be performed until after 9:00 AM.
3. Any lane closures that occur after August 10, 2026 within three blocks north or south of Caleb Greenwood Elementary must be removed prior to 1:30 pm (M,T,W; F) or 12:30 pm (Th) to allow for school pickup.
4. Weekend work from 8:30 am to 5:30 pm may be approved by the Engineer.
5. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates. If weekend work is approved, the cost of inspection shall be borne by the City.
6. Contractor must maintain both directions of travel on Carlson Drive throughout construction of the project. If necessary, flaggers may be used at intersections to allow for closures in that immediate location.
7. If any road closures are planned, a detour plan must be submitted and approved before closing the road.
8. The Contractor shall furnish, install temporary stripes and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the projects during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.
9. The Contractor shall maintain existing electrical facilities and traffic and public safety in accordance with Section 34 of the Standard Specifications and these Special Provisions.

10. Residential driveways may only be closed after giving property owners 24-hour notice in advance of the closure. Driveways may only be closed during normal work periods while the contractor is actively pursuing work which requires the driveway to be closed, except when forms are in place, or while concrete is being cured.
11. Driveway access to commercial properties shall remain open at all times. The Contractor must leave access to at least one driveway to schedule the commercial driveways to be poured in two phases unless more than one driveway is available to the property. The Contractor shall coordinate the driveway closure with property owners' 5 calendar days in advance.
12. All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway during non-working hours.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in traffic handling, public safety and convenience shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.19 USE OF SLIP-FORM MACHINES FOR CONCRETE CONSTRUCTION

The Contractor may use concrete slip form machines to construct concrete curbs, gutters and sidewalks. The Contractor must maintain proposed lines and grades as shown on the plans. For curbs constructed on existing pavements, the contractor must construct the curb to eliminate any uneven lines and top of curb grade elevations. If in the sole discretion of the Engineer, these lines and grades are not maintained, the Contractor shall remove and replace the concrete at his/her costs.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

1.20 PUBLIC NOTIFICATION

Seven calendar days (7) prior to roadway or lane closures, Contractor shall place changeable message signs where designated by the Engineer. Changeable message signs shall be considered part of this item and no additional compensation will be allowed therefore. The message on the changeable message sign shall be approved in writing by the Engineer two days prior to installment on the roadway.

The Contractor shall notify residents and businesses within the project limits in writing five (5) working days in advance of beginning work. The notice shall be approved by the Engineer and shall describe the work to be performed, the anticipated duration of construction and the name and

telephone number of the Contractor's representative that can be reached 24 hours a day, 7 days a week.

The Contractor shall be responsible for issuing a second notice to property owners five (5) working days in advance of commencing any work on private property. The Contractor shall include in the public notification flyers/postcards detailed procedures explaining precautions the homeowner can take to help prevent plugged utility service fixture problems. The Contractor shall submit to the Engineer for review and approval public notification flyers/postcards before they are issued to the public.

Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.21 REMOVAL OF ON-STREET PARKING

In Metered Parking Areas:

Seventy-two (72) hours prior to construction, the Contractor shall place signs adjacent to every third parking stall stating, "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block". Contractor shall also contact the City Parking Division prior to placing barricades.

Signs shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

The Contractor shall request the City Parking Division to cover each parking meter, prior to construction, with a "NO PARKING" sign and the signs previously placed adjacent to every third stall shall be mounted on a barricade and moved into the parking stall at the Contractors expense.

If the Contractor needs less than the entire block, every stall removed shall be barricaded in conjunction with the covering of parking meters.

Where parking removal is necessary, at metered parking stalls, the Contractor shall coordinate with the City Parking Division three (3) days in advance and shall be responsible for the payment of parking removal fees (City Code Section 25.122-1). It is recommended that the Contractor consult with the City Parking Division (phone 916-808-5874) prior to submission of his bid to obtain an estimate of the fees for this project. Note: Typical fees are \$29 to bag the first meter and \$5 each additional meter. Daily meter fees are typically \$2.25 each day Monday through Saturday.

In Non-Metered Parking Areas:

Seventy-two (72) hours prior to construction (except Monday work, barricades shall be placed on the prior Thursday), the Contractor shall place signed Type II barricades stating "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block", at 50 to 60 foot intervals in the work area. The Contractor shall notify the City Parking Division (916-808-5874) prior to placing barricades. No fee is required in Non-metered zones.

"NO PARKING" signs shall be approved by the Engineer prior to their use. "NO PARKING" signs and barricades shall be supplied by the Contractor. The Contractor shall notify the Engineer immediately after the "NO PARKING" signs are in place.

Barricades shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

Failure to comply with this section will prevent the City from towing vehicles parked within the proposed work area until the provisions of this section have been met and will require rescheduling of planned work. Additionally, "NO PARKING" signs and barricades shall not be removed prior to removal/towing of vehicles in violation of posted "NO PARKING" signs.

Payment shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and payment of all fees required to perform all work, as specified in these Special Provisions and as directed by the Engineer and shall be considered as included in the prices paid for the various contract items of work. No additional compensation will be allowed, therefore.

1.22 EQUIPMENT LIST AND DRAWINGS SUBMITTALS

Equipment list and drawings shall be in accordance with Section 34-3 of the Standard Specifications and these Special Provisions.

Unless otherwise permitted in writing by the Engineer, the Contractor shall, within twenty (20) days following notification of award of the contract submit to the Engineer for approval a listing of equipment and material which he/she proposes to furnish and install. The list shall be complete as to name of manufacturer, size and catalog number of unit, and shall be supplemented by other data, including detailed scale drawings and wiring drawings. A minimum of five (5) copies of the above data shall be submitted to the Engineer for review and approval.

The Contractor shall submit to the Engineer a statement from each vendor supplying electrical equipment, including but not limited to, signal heads, standards, electroliers, luminaries, service pedestal and all other electrical equipment indicating that the orders for the materials required for this contract have been received and accepted by said vendor. The confirmed date of delivery to the contractor shall be indicated on the statement.

All substitutions are subject to the approval of the Engineer.

1.23 PROOF OF COMPLIANCE WITH CONTRACT

In order that the Engineer may determine whether the Contractor has complied with the requirements of the contract documents not readily determinable through inspection and tests of plant, equipment, work, or materials, the Contractor shall at any time when requested, at the Contractor's expense, submit to the Engineer properly authenticated documents or other satisfactory proofs as to his compliance with such requirements.

1.24 RECORD DRAWINGS

Contractor shall maintain a neatly and accurately marked set of record drawings showing the final locations and layout of all facilities as-built. Drawings shall be kept current weekly, with all work instructions and Change Orders, accommodations, and construction adjustments. Drawings shall be subject to the inspection by the Engineer at all times, and progress payments, or portions thereof, may be withheld if drawings are not accurate and current. Prior to City's acceptance of the Work, Contractor shall deliver to the Engineer one (1) set of neatly marked record drawings, accurately showing all the information required above. If the Engineer does not approve the record drawings, Contractor shall revise and resubmit the record drawings as necessary to obtain the Engineer's approval. If Contractor fails to comply with the requirements of this section, the City may deduct and retain the cost of preparing the record drawings from the Contract.

1.25 BACKFILLING OF VOIDS

All voids resulting from the removal of trees, pipes, maintenance holes, ditch boxes, or other buried structures or objects shown on the Plans or called in these Special Provisions to be removed, shall be backfilled per the provisions of Section 26 (Trench Backfill) of the Standard Specifications. In the event job excavated native material is unsuitable for backfill as determined by the Engineer, the Contractor shall furnish the required suitable backfill material.

The cost to backfill voids as specified in the Special Provisions shall be included in the price bid for the respective items to remove trees, pipe, maintenance holes, ditch boxes, or other buried structures or objects, and no additional compensation shall be allowed.

1.26 PAVEMENT CUTTING AND RESTORATION

Pavement cutting and restoration shall conform to the provisions of Section 13-4 of the Standard Specifications and these Special Provisions.

No pavement cutting shall precede pavement excavation by more than seven (7) calendar days unless approved by the Engineer. Prior to excavation in paved areas, pavement will be broken within the limits of expected excavation so as to prevent lifting of the pavement during excavation. Prior to restoration, the pavement shall be sawed or scored with an abrasive type pavement cutter (maximum blade width 1/4"). The proper tools and equipment shall be used so that the pavement will be cut to a neat and straight line six inches (6") beyond the limits of actual excavation.

Where pavement cutting takes place more than five (5) calendar days before trench excavation, the Contractor shall fill the pavement cuts with asphaltic patching mix and maintain a smooth riding surface until trenching begins.

Where the limits of excavation are located within twelve (12") of the edge of existing pavement or lip of the curb and/or gutter, the existing pavement within these twelve inches (12") shall also be removed.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for all work involved in this item shall be considered as included in the unit price bid for roadway excavation and removing and replacing asphaltic concrete pavement.

1.27 PROTECTION OF TREES

During construction the Contractor shall protect existing trees. All work near the trees shall be coordinated by the Contractor with the City Arborist, at urbanforestry@cityofsacramento.org. The Contractor shall comply with direction as given by the City Arborist and the following City requirements regarding tree protection:

No storage of materials or parking of vehicles may occur within the drip lines of the trees, except on paved streets.

If, during construction, tree roots two inches (2") in diameter or greater are encountered, work shall stop immediately and the City Arborist shall be contacted for a root inspection, and roots shall not be cut without arborist approval. Roots approved by the arborist to be pruned during the course of project construction shall be cleanly cut. If extensive root pruning is proposed an arborist inspection will determine if tree removal is necessary.

If construction activities will affect any of the limbs of the trees, a certified arborist (certified by International Society of Arboriculture, Western Chapter) shall be consulted prior to the cutting or removal of any limb. Limbs approved by the arborist to be pruned during the course of project construction shall be cleanly cut.

The Contractor shall be responsible for damages to trees. Trees damaged by the Contractor during construction activities shall be assessed by the City Arborist using the International Society of Arborists (ISA) appraisal guide or UFS standard diameter and area indexing. The Contractor's responsibility for damaged trees will be determined by the Arborist.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.28 TREE TRIMMING

Contractor shall identify all tree trimming needed to provide clearance for construction vehicles. These trees shall be trimmed in accordance with the following specifications and as directed by the Engineer or project Arborist in conjunction with the City Arborist:

General Conditions - This work is to be performed by a Tree Service Contractor, licensed and bonded to do business in the City of Sacramento. The work to be done will consist not only of this trimming and removal of branches and limbs but also disposal of material trimmed from these trees. Disposal of material will not be allowed at the City Dump.

Contractor shall be aware of and shall comply with all ordinances governing and related to tree trimming work. Contractor shall furnish all labor, materials and equipment as required in

performing the work described herein in strict accordance with these specifications and subject to the terms and conditions of this contract.

Description of Work - The work shall be done primarily from truck mounted aerial platforms except where trees are inaccessible to trucks. All hand and power tools in the performance of this work shall be subject to inspection and approval of the Manager of the Urban Forest Services division or his designated representative who shall serve as the inspector for the City.

In general, the standard tree trimming equipment shall be used and shall be always maintained in a satisfactory condition. All tools shall be clean, sharp, in proper working order and shall be checked for safety before each job.

Inspection/Permit - The Contractor shall notify the Engineer prior to 8:00 a.m. on each day Contractor will be trimming trees.

The Contractor shall notify, 3 working days prior to tree trimming, the City Arborist, at urbanforestry@cityofsacramento.org and obtain, for this project, a permit for tree trimming within the City.

Special Conditions - All licenses, insurance, etc., necessary to assume the legal responsibility for said work shall be acquired by the Contractor to cover the liabilities which might be caused by said work.

All workmen shall comply with State Compensation Safety Rules and must wear safety equipment at all times while on the job. Adequate warning devices, barricades, guards, cones, etc., shall be placed and necessary precautions shall be taken by the Contractor to provide protection for the workers, pedestrians and vehicular traffic in the area. Work shall be scheduled and conducted in a cooperative manner in order to give the least possible interference with or annoyance to others. It shall be the responsibility of the Contractor to work out any cooperative work schedules as necessary.

All tree work requiring climbing of trees shall be suspended during inclement weather. No trimmings or debris shall be left overnight on any of the work sites. Upon completion of a specific area, the site shall be left in a clean and orderly condition. It shall be the responsibility of the Contractor to repair any damages to adjacent property including shrubs, trees or other growth as well as structures along the route.

To prevent the spread of Dutch elm disease, tree trimming tools shall be sprayed with Lysol before any tree trimming and after each tree has been trimmed.

Personnel - All work shall be done by qualified and trained persons. They shall be familiar with tree climbing and trimming work in general and trained to work in trees of any size. A qualified foreman shall be provided to oversee and direct the work of each crew.

Correct Cuts - All work shall be done in a professional and workmanlike manner. All cuts shall be made in accordance with the following sections in these Special Provisions, and as directed by

the Engineer. Trees shall be trimmed at locations where there are tree conflicts and as directed by the Engineer or project Arborist in conjunction with the City Arborist.

Tree trimming shall include the removal of any limbs or brush from limbs to achieve a clear space of at least six foot (6') radial distance from each luminaire. The results of the tree trimming shall produce an unobstructed cone of light that will illuminate a semicircle on the street at street level. The semicircle shall have a radius of forty feet (40') minimum on the street from the electrolier base. The unobstructed cone of light shall also illuminate an area at sidewalk level on the house side of the electrolier. This illuminated area shall extend fifteen feet (15') minimum from the base of the electrolier.

Twigs, small limbs and sucker growth shall be removed with hand pruners, pole pruners or a fine-toothed saw. All portions of a tree removed in the pruning operations, whether small or large in diameter, shall be made just outside the branch bark ridge, parallel to and immediately adjacent to the tree limb from which the part is removed.

Any dead wood and broken limbs encountered in the pruning operations shall be removed. Dead wood shall be defined as any portion of the tree having no living foliage, no live buds or no apparent life in the cambium layer. Final cuts on dead limbs shall not cut into the branch bark ridge or branch collar of the parent limb. Dead limbs larger than three-fourths of one inch (3/4") in diameter shall be removed by sawing. Broken limbs shall be removed except where branches have split, and one portion of the branch can be saved by pruning to reduce lateral end weight.

Shrubs shall be pruned as directed by the Engineer and shall conform to current ISA specifications.

The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.29 STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED

If artifacts or stone, bone, or shell are uncovered during construction activities, the Contractor shall stop work within 100 feet of the find and notify the City, who will consult with a qualified archaeologist for an on-the-spot evaluation. Additional mitigation of the archaeological site will be the responsibility of the City. If bone is found and it appears to be human, the City will notify the Sacramento County coroner and the Native American Heritage Commission (916-322-7791).

1.30 HEALTH AND SAFETY

The Contractor is warned that existing sewers and appurtenances have been exposed to sewage and industrial wastes. These facilities shall therefore be considered contaminated with disease-causing organisms. Personnel in contact with contaminated facilities, debris, wastewater, or similar items shall be advised by the Contractor of the necessary precautions that must be taken to avoid becoming diseased. It is the Contractor's responsibility to urge his personnel to observe a strict regime of proper hygienic precautions, including any inoculations recommended by the local public health officer.

Because of the danger of solvents, gasoline, and other hazardous material in the existing sewers, these areas shall be considered hazardous to open flame, sparks, or unventilated occupancy. The

Contractor shall be aware of these dangers and shall take the necessary measures to assure his personnel observe proper safety precautions when working in these areas.

The Contractor shall not allow any wastewater to discharge from sewage collection systems onto adjacent lands or waters. In case of accidental discharge, the Contractor shall be responsible for containment, immediate cleanup and disposal at his own expense to the full satisfaction of the Engineer. Where containment is not possible, adequate disinfection shall be provided by the Contractor at his expense as directed by the Engineer or agency with jurisdiction. If, in the opinion of the Engineer, the Contractor fails to adequately follow the above guidelines, he will make arrangements to have the work done by others, and have the cost charged to the Contractor.

1.31 PERMITS AND STAGING AREA

If the Contractor decides he/she needs additional working easement areas, work sites or material sites to facilitate his operation, it shall be his sole responsibility to locate, negotiate, obtain and pay for such additional working easements, work sites and material sites.

The Contractor shall submit to the Engineer written authorization from the property owner of private property being used for the storage of equipment or materials. A copy of any written agreements entered between the Contractor and the property owner concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the property.

Prior to working within the City-owned property, a right of entry must be obtained through the City of Sacramento Real Estate division. Submit a written application for right of entry a minimum of 2 weeks prior to required entry. If right of entry is granted, contractor must pay any required fees imposed by City of Sacramento Real Estate division.

An application for the right of entry must detail the full legal name of the company, the company's main point-of-contact, the name of the person(s) responsible for signing the right of entry including his or her title, dates and durations of requested entry, activities requiring entry, proposed work hours, a description of any materials and equipment to be stockpiled and areas where stockpiles will be kept depicted on a detailed aerial exhibit, fueling or maintenance operations planned, and any other potentially hazardous materials that may be located on site, as well as any other pertinent information related to the project that should be disclosed.

All areas lying outside of the street right-of-way which are affected by the work shall be restored to the same, or better condition existing prior to the commencement of the work, to the satisfaction of the Engineer.

The cost of necessary permits, all restoration, including but not limited to landscaping improvements, shall be included in the various items of work the Contractor deems appropriate, and no separate or additional compensation shall be made.

1.32 EROSION AND SEDIMENT CONTROL

Erosion and Sediment Control shall be in accordance with Section 16 of the City Standard Specifications.

2. ITEMS OF THE PROPOSAL

ITEM NO. 1 - PRECONSTRUCTION PHOTOGRAPHS

Preconstruction photographs shall conform to Section 11 of the Standard Specifications.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in taking preconstruction photographs as specified in these Special Provisions and as directed by the Engineer.

~~ITEM NO. 2 - ASPHALT CONCRETE~~

~~Asphalt concrete shall be Type A, 1/2" maximum aggregate and shall be placed as shown on the Plans, as specified in these Special Provisions and in conformance with the requirements of Sections 10 and 22 of the Standard Specifications.~~

~~Payment shall be at the unit price bid per ton based on the weight tickets and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing asphalt concrete pavement as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 3 - RUBBERIZED CHIP SEAL

Asphalt Rubber Chip Seal shall conform to the requirements of Section 37, "Seals Coats" of the State Standard Specifications, except where specified otherwise in these specifications.

Rubberized chip seal shall consist of an application of rubberized asphalt binder and hot screenings pre-coated with paving asphalt. Rubberized chip seal shall conform to the provisions specified for seal coat in Section 37-2, "Chip Seals," of the State Standard Specifications and these Special Provisions.

Prior to issuance of contract, Contractor must sign and submit to the City of Sacramento the Reliable Contractor Declaration form. See appendix B for declaration form.

Order of Work

The work shall be done in the following order:

1. Prepare the pavement surface as specified below.
2. Apply the Modified Binder as specified below.
3. Spread aggregate using mechanical spreader as specified below.
4. Initially and final roll per these specifications.
5. Sweep all excess aggregate immediately after rolling.
6. Install temporary pavement markings.
7. Maintain chip seal and provide additional sweeping to clean all loose aggregate.

8. Apply microsurfacing (type II) no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied. **Microsurfacing shall be paid by a separate item.**
9. Install temporary pavement markings.
10. All other such items and specified details shall be furnished, installed, and/or constructed.

Special Construction Requirements:

Only California-generated waste tires, processed in California, shall be used in the crumb rubber portion of the project.

1. Placement of chip seal at curb ramps. Cape Seal shall be placed with no vertical edges over ¼" in height in front of curb ramps. Chip seal shall be held back 2 feet from lip of gutter in front of ramps, with the slurry coverage to taper to lip of gutter.
2. Placement of chip seal at speed humps. Chip seal shall be held back 10 feet from speed hump, with the slurry coverage to taper to speed hump and coverage of speed hump.

Existing blue fire hydrant locators shall be removed prior to placing the cape seal. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the seal. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots will be paid for by a separate item.

Definitions

Crumb rubber modifier: Ground or granulated high natural crumb rubber or scrap tire crumb rubber.

Descending viscosity reading: Subsequent viscosity reading at least five (5) percent lower than the previous viscosity reading.

High natural crumb rubber: Material containing 40 to 48 percent natural rubber.

Scrap tire crumb rubber: Any combination of:

1. Automobile tires
2. Truck tires

Submittals

Prior to starting Work Contractor shall submit the name of its laboratory for quality control testing. The laboratory must be AMRL accredited.

For each delivery of asphalt rubber binder ingredients and asphalt rubber binder to the job site, submit a certificate of compliance and a copy of the specified test results.

Submit MSDS for each asphalt rubber binder ingredient and the asphalt rubber binder.

At least fourteen (14) calendar days before use, submit:

1. Four 1-quart cans of mixed asphalt rubber binder
2. Samples of each asphalt rubber binder ingredient
3. Asphalt rubber binder formulation and data as follows:
 - b) For asphalt binder and asphalt modifier submit:
 - i) Source and grade of asphalt binder
 - ii) Source and type of asphalt modifier
 - iii) Percentage of asphalt modifier by weight of asphalt binder
 - iv) Percentage of combined asphalt binder and asphalt modifier by weight of asphalt rubber binder
 - v) Test results for the specified quality characteristics
 - c) For crumb rubber modifier submit:
 - i) Each source and type of scrap tire crumb rubber and high natural rubber
 - ii) Percentage of scrap tire crumb rubber and high natural rubber by total weight of asphalt rubber binder
 - iii) Test results for the specified quality characteristics
 - d) For asphalt rubber binder submit:
 - i) Test results for the specified quality characteristics
 - ii) Minimum reaction time and temperature.

At least fourteen (14) calendar days before use, submit the permit issued by the local air quality agency for asphalt rubber binder:

1. Field blending equipment
2. Application equipment

If an air quality permit is not required by the local air quality agency for producing asphalt rubber binder or spreading asphalt rubber binder, submit verification from the local air quality agency to the Engineer that an air quality permit is not required for this Contract.

Submit a certified volume or weight slip for each delivery of asphalt rubber binder ingredients and asphalt rubber binder.

Submit a certificate of compliance and accuracy verification of test results for viscometers.

When determined by the Engineer, submit notification fifteen (15) minutes before each viscosity test or submit a schedule of testing times.

Submit the log of asphalt rubber binder viscosity test results each day of asphalt rubber binder application.

Quality Control And Assurance

Test and submit results at least once per project:

1. For crumb rubber modifier except for grading, at least once per 250 tons. Samples of scrap tire crumb rubber and high natural crumb rubber must be sampled and tested separately. Test each delivery of crumb rubber modifier for grading.
2. For asphalt binder, test and submit at least once per 200 tons of asphalt binder production.
3. For asphalt modifier, test and submit at least once per 25 tons of asphalt modifier production.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber production site in separate bags.

Take viscosity readings of asphalt rubber binder under ASTM D7741 during asphalt rubber binder production. Start taking viscosity readings of samples taken from the reaction vessel at least forty-five (45) minutes after adding crumb rubber modifier and continue taking viscosity readings every thirty (30) minutes until two (2) consecutive descending viscosity readings have been obtained and the final viscosity meets the specification requirement. After meeting the two (2) descending viscosity readings requirement, continue to take viscosity readings hourly and within fifteen (15) minutes before use. Log the test results, including time of testing and temperature of the asphalt rubber binder.

Materials

Asphalt Rubber Binder

Asphalt rubber binder must be a combination of:

1. Asphalt binder
2. Asphalt modifier
3. Crumb rubber modifier

The blending equipment must allow the determination of weight percentages of each asphalt rubber binder ingredient.

Asphalt rubber binder must be 79 ± 1 percent by weight asphalt binder and 21 ± 1 percent by weight of crumb rubber modifier. The minimum percentage of crumb rubber modifier must be 20.0 percent, and lower values may not be rounded up.

Crumb rubber modifier must be 76 ± 2 percent by weight scrap tire crumb rubber and 24 ± 2 percent by weight high natural rubber.

The blend of asphalt binder and asphalt modifier must be combined with crumb rubber modifier at the asphalt rubber binder production site. The asphalt binder and asphalt modifier blend must be from 375 to 440°F when crumb rubber modifier is added. Combined ingredients must be

allowed to react at least forty-five (45) minutes at temperatures from 375 to 425°F except the temperature must be at least 10°F below the flash point of the asphalt rubber binder.

After reacting, the asphalt rubber binder must have the values for the quality characteristics shown in the following table:

Blended Asphalt Rubber Binder

Quality characteristic	Test method	Value	
		Min	Max
Cone penetration @ 77 °F, 1/10 mm	ASTM D 217	25	70
Resilience @ 77 °F, percent rebound	ASTM D 5329	18	40
Field softening point, °F	ASTM D 36	125	165
Viscosity @375 °F, Pa • s (x10 ⁻³)	See section 37- 2.01D(3)	1500	2500

Maintain asphalt rubber binder at a temperature from 375 to 415°F.

Stop heating unused asphalt rubber binder four (4) hours after the 45-minute reaction period. Reheating asphalt rubber binder that cools below 375°F is a reheat cycle. Do not exceed two (2) reheat cycles. If reheating, asphalt rubber binder must be from 375 to 415°F before use.

During reheating, you may add scrap tire crumb rubber. Scrap tire crumb rubber must not exceed ten percent (10%) by weight of the asphalt rubber binder. Allow added scrap tire crumb rubber to react for at least forty-five (45) minutes. Reheated asphalt rubber binder must comply with the specifications for asphalt rubber binder.

Asphalt Binder

Asphalt binder for asphalt rubber binder seal coat must be **PG 64-16** and conform to Section 92 of the State Standard Specifications.

Asphalt Modifier

Asphalt modifier must be a resinous, high flash point, and aromatic hydrocarbon. Asphalt modifier must have the values for the quality characteristics shown in the following table:

Asphalt Modifier for Asphalt Rubber Binder

Quality characteristic	Test method	Value
Viscosity, m ² /s (x 10 ⁻⁶) at 100 °C	ASTM D 445	X ± 3 ^a
Flash point, C.L.O.C., °C	ASTM D 92	230 min
Molecular analysis		

Asphaltenes, percent by mass	ASTM D 2007	0.1 max
Aromatics, percent by mass	ASTM D 2007	55 min

^a "X" denotes the proposed asphalt modifier viscosity from 19 to 36. A change in "X" requires a new asphalt rubber binder submittal.

Asphalt modifier and asphalt binder must be blended at the production site. Asphalt modifier must be from 2.5 to 6.0 percent by weight of the asphalt binder in the asphalt rubber binder. The asphalt rubber binder supplier determines the exact percentage.

If blended, the asphalt binder must be from 375 to 440°F when asphalt modifier is added and the mixture must circulate for at least twenty (20) minutes. Asphalt binder, asphalt modifier, and crumb rubber modifier may be proportioned and combined simultaneously.

Crumb Rubber Modifier

Crumb rubber modifier must be ground or granulated at ambient temperature.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber binder production site in separate bags.

Steel and fiber must be separated. If steel and fiber are cryogenically separated, it must occur before grinding and granulating. Cryogenically-produced crumb rubber modifier particles must be large enough to be ground or granulated.

Wire must not be more than 0.01 percent by weight of crumb rubber modifier. Crumb rubber modifier must be free of contaminants except fabric, which must not exceed 0.05 percent by weight of crumb rubber modifier. Method for determining the percent weight of wire and fabric is available under California Test 385 at the following METS Web site:

<https://dot.ca.gov/programs/engineering-services/california-test-methods-version-selection#385>

The length of an individual crumb rubber modifier particle must not exceed 3/16 inch.

Crumb rubber modifier must be dry, free-flowing particles that do not stick together. A maximum of three percent (3%) calcium carbonate or talc by weight of crumb rubber modifier may be added. Crumb rubber modifiers must not cause foaming when combined with the asphalt binder and asphalt modifier.

Specific gravity of crumb rubber modifier must be from 1.1 to 1.2 determined under California Test 208.

When tested under ASTM D 297, crumb rubber modifier must comply with the requirements shown in the following table:

Crumb Rubber Modifier

Quality characteristic	Scrap tire crumb rubber (percent)		High natural rubber (percent)	
	Min	Max	Min	Max
Acetone extract	6.0	16.0	4.0	16.0
Rubber hydrocarbon	42.0	65.0	50.0	--
Natural rubber content	22.0	39.0	40.0	48.0
Carbon black content	28.0	38.0	--	--
Ash content	--	8.0	--	--

Scrap tire crumb rubber must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 8	100
No. 10	98–100
No. 16	45–75
No. 30	2–20
No. 50	0–6
No. 100	0–2
No. 200	0

High natural rubber gradation must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 10	100
No. 16	95–100
No. 30	35–85
No. 50	10–30
No. 100	0–4
No. 200	0–1

Test the crumb rubber modifier gradation under ASTM C 136 except:

1. Split or quarter 100 ± 5 g from the crumb rubber modifier sample and dry to a constant mass at a temperature from 57 to 63 degrees C and record the dry sample mass. Place the crumb rubber modifier sample and 5 grams (g) of talc in a 1/2-liter jar. Seal the jar, then shake the jar by hand for at least one (1) minute to mix the crumb rubber modifier and the talc. Continue shaking or opening the jar and stir until the particle agglomerates and clumps are broken and the talc is uniformly mixed.

2. Place one (1) rubber ball on each sieve. Each ball must weigh 8.5 ± 0.5 g, measure 24.5 ± 0.5 mm in diameter, and have a Shore Durometer "A" hardness of 50 ± 5 determined under ASTM D 2240. After sieving the combined material for 10 ± 1 minutes, disassemble the sieves. Brush material adhering to the bottom of a sieve into the next finer sieve. Weigh and record the mass of the material retained on the 2.36-millimeter sieve and leave this material (do not discard) on the scale or balance. Fabric balls must remain on the scale or balance and be placed together on the side to prevent them from being covered or disturbed when the material from finer sieves is placed onto the scale or balance. The material retained on the 2.00-millimeter sieve must be added to the scale or balance. Weigh and record that mass as the accumulative mass retained on the 2.00-millimeter sieve. Continue weighing and recording the accumulated masses retained on the remaining sieves until the accumulated mass retained in the pan has been determined. Before discarding the crumb rubber modifier sample, separately weigh and record the total mass of fabric balls in the sample.

3. Determine the mass of material passing the 75-micrometer sieve by subtracting the accumulated mass retained on the 75-micrometer sieve from the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass of 5 g or less, cross out the recorded number for the accumulated mass retained in the pan and copy the number recorded for the accumulated mass retained on the 75-micrometer sieve and record that number, next to the crossed out number, as the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass greater than 5 g, cross out the recorded number for the accumulated mass retained in the pan, subtract 5 g from that number and record the difference next to the crossed-out number. The adjustment to the accumulated mass retained in the pan accounts for the 5 g of talc added to the sample. For calculation purposes, the adjusted total sample mass is the same as the adjusted accumulated mass retained in the pan. Determine the percent passing based on the adjusted total sample mass and record to the nearest 0.1 percent (0.1%).

Screenings

Before precoating with asphalt binder when tested under California Test 202 the screenings must have the gradation and properties shown below.

<u>GRADATION</u>	
<u>Sieve Sizes</u>	<u>Percent Passing</u>
3/4"	100
1/2"	99-100
3/8"	70-85
#4	0-10
#16	0-5
#200	0-1 *

*Wet sieve requirement

TESTING REQUIREMENTS

<u>Test</u>	<u>CA Test Method</u>	<u>Requirements</u>
Loss in Los Angeles Rattler (after 100 revolutions)	211	10% max
Loss in Los Angeles Rattler (after 500 revolutions)	211	40% max
Film Stripping	302	25% max
Cleanness Value	227	80 min
Durability	229	52 min

EQUIPMENT AND CONSTRUCTION

General

Equipment must include and comply with the following:

1. Screenings haul trucks. Haul trucks must have:
 - a) Tailgates that discharge screenings
 - b) Devices to lock onto the rear screenings' spreader hitch
 - c) Dump beds that will not push down on the spreader when fully raised
 - d) Dump beds that will not spill screenings on the roadway when transferred to the spreader hopper
 - e) Tarpaulins to cover precoated screenings when haul distance exceeds 30 minutes or ambient temperature is less than 65 degrees F.
2. Self-propelled screenings spreader. The spreader must have:
 - a) Screenings hopper in the rear
 - b) Belt conveyors that carry the screenings to the front
 - c) Spreading hopper capable of providing a uniform screening spread rate over the entire width of the traffic lane in 1 application.
3. Self-propelled power brooms. Do not use gutter brooms or steel-tined brooms. Brooms must be capable of removing loose screenings adjacent to barriers that prevent screenings from being swept off the roadway, including curbs, gutters, dikes, berms, and railings.
4. Pneumatic-tired rollers. Pneumatic-tired rollers must be an oscillating type at least 4 feet wide. Each roller must be self-propelled and reversible. Pneumatic tires must be of equal size, diameter, type, and ply. The roller must carry at least 3,000 lbs. of load on each wheel and each tire must have an air pressure of 100 ± 5 psi.

Asphalt Rubber Equipment

Equipment for asphalt rubber application must include and comply with the following:

1. Tank to heat and maintain the temperature of blended asphalt binder and asphalt modifier before adding crumb rubber modifier. The tank must have a thermostatic heat control device and a temperature reading device accurate to within 5 degrees F. The heat control device must be the recording type.

2. Mechanical mixer for complete, homogeneous blending of asphalt binder, asphalt modifier, and crumb rubber modifier. Asphalt binder and asphalt modifier must be introduced into the mixer through meters. The blending system must vary the rate of delivery for asphalt binder and asphalt modifier proportionate to crumb rubber modifier delivery. The mixer must not allow the temperature of asphalt binder and asphalt modifier to vary more than 25 degrees F. Each ingredient feed must be equipped with a rate-of-feed indicator for determining the amount delivered during production. The meters used to proportion each liquid ingredient must be equipped with rate-of-flow indicators with resettable totalizers so that the total amount can be determined. Feed liquid and dry ingredients directly into the mixer at a uniform and controlled rate. Reduce the quantity of ingredients in the mixer if dead areas occur. The mixer must have a safe sampling device that delivers completed asphalt rubber binder in the quantity needed for testing.
3. Storage tank for asphalt rubber binder. The storage tank must have a heating system to maintain the temperature and an internal mixing device to prevent separation.
4. Self-propelled distributor truck. The truck must have the following features:
 - i) Heating unit
 - ii) Internal mixing unit
 - iii) Pumps that spray asphalt rubber binder within 0.05 gal/sq yd of the specified rate
 - iv) Fully circulating spray bar that applies asphalt rubber binder uniformly
 - v) Tachometer
 - vi) Pressure gages
 - vii) Volume measuring devices
 - viii) Thermometer
 - ix) Observation platform on the rear of the truck for an observer on the platform to see the nozzles and unplug them if needed.
5. Under supports for scale bearing points for scale structures where the total load, the live load plus dead load is less than 17 tons, must be constructed as follows:
 - i) Use 4 legs. Total load on any leg may not exceed 14.5 psi.
 - ii) Use structural grade steel with a minimum cross-sectional dimension of 20 inches and a minimum thickness of 1.5 inches.
 - iii) Construct under support in a way that they do not move or deflect during production operations.
 - iv) Install mechanical indicating elements level, plumb, and rigidly mounted on the under supports.
 - v) Prevent saturation of the ground under the scale with adequate drainage and provide support of 14.5 psi at each support.
 - vi) Scale structures may be installed using concrete under supports and comply with Section 9.

Surface Preparation

Pavement must be completely dry prior to the application of asphalt rubber chip seal.

Special care shall be taken to clean the pavement before the chip seal application. Immediately prior to the application of the chip seal the surface to receive the chip seal shall be cleaned by power brooming, flushing or other means necessary to remove all vegetation, loose particles of paving, all dirt, and all other extraneous material. Vegetation shall be removed from cracks in pavement and at the interface of pavement and gutter prior to sweeping. The Contractor shall blow the cracks clean of loose materials, away from pavement or previously cleaned cracks, with a high-pressure air nozzle (90 psi or greater and free of oil). Pavements impregnated with grease, oil, or fuel shall be thoroughly scrubbed with water and an approved detergent and then flushed and swept clean. Wash water shall be vacuumed up and disposed of and shall not be permitted to enter the storm drain system. Contractor shall be responsible for sweeping the streets until sufficiently cleaned to the satisfaction of the Engineer. Streets shall be swept from face of curb to face of curb. Pavement missed by or inaccessible to power brooms shall be swept manually or by other methods approved by the Engineer.

All existing temporary and permanent pavement markers and temporary delineation shall be removed in accordance with Section SP-16, "Existing Highway Facilities" of these Special Provisions.

Immediately before commencing the seal operations, all surface metal utility covers (including survey monuments) shall be protected by thoroughly covering the surface with an appropriate adhesive and paper or plastic. No adhesive material shall be permitted to cover, seal or fill the joint between the frame and cover of the structure. Covers are to be uncovered and cleaned of chip seal material by the end of the same workday.

Precoat Screenings

Screening must be preheated from 260 to 325°F. Coat with any of the asphalts specified in the table titled "Performance Graded Asphalt Binder" in Section 92 of Caltrans 2010 Standard Specifications.

Coat screenings at a central mixing plant. The asphalt must be from 0.5 to 1.0 percent by weight of dry screenings. The Engineer shall determine the exact rate.

The plant must be authorized under California Test Method 109 and the Department's material plant quality program.

Do not stockpile preheated or pre-coated screenings.

Application of Asphalt Rubber Binder

Apply asphalt rubber binder immediately after the reaction period. At the time of application, the temperature of asphalt rubber binder must be from 385 to 415°F.

Apply asphalt rubber binder at a rate from 0.55 to 0.65 gal/sq yd. The Engineer determines the exact rate. Avoid application over the specified rate which may result in "bleeding". If medium severity "bleeding" occurs over an area greater than 10 square feet, Contractor shall remove and replace affected areas at their own cost during the warranty period. Medium severity "bleeding" is defined as that asphalt sticks to shoes and vehicles during more than 3 weeks of the year.

Apply asphalt rubber binder when the atmospheric temperature is from 60 to 105°F and the pavement surface temperature is between 75°F and 140°F.

Do not apply asphalt rubber binder unless there are sufficient screenings available to cover the asphalt rubber binder within two (2) minutes. Intersections, turn lanes, gore points, and irregular areas must be covered within fifteen (15) minutes.

Do not apply asphalt rubber binder when weather or road conditions are unsuitable, including high wind or when the pavement is damp. Unsuitable weather conditions include when temperatures below 40°F are anticipated for the next twenty-four (24) hours after applying the rubberized chip seal, or sustained winds are greater than ten (10) mph. Complete surface treatment application at least two (2) hours before sunset.

If you request to use a variable application rate apparatus and the Engineer authorizes, the rate in the wheel paths may be reduced to 0.50 gal/sq yd.

Spreading Screenings

Prevent vehicles from driving on asphalt rubber binder before spreading screenings.

Broom excess screenings at joints before spreading adjacent screenings.

Operate the spreader at speeds slow enough to prevent screenings from rolling over after dropping.

If the spreader is not moving, screenings must not drop. If you stop spreading and screenings drop, remove the excess screenings before resuming activities.

During transit, cover pre-coated screenings for asphalt rubber seal coat with tarpaulins if the ambient air temperature is below 65°F or the haul time exceeds thirty (30) minutes.

At the time of application, screenings for asphalt rubber seal coat must be from 225 to 325°F.

Spread screenings at a rate from 28 to 40 lb/sq yd. The exact rate is determined by the Engineer. Spread to within ten percent (10%) of the determined rate.

Leave uncovered a strip of sprayed asphalt approximately six (6) inches wide to permit an overlap of asphalt material.

Finishing And Rolling Operations

Chip seal shall be finished and screenings compacted in accordance with Section 37-2.01C(4)(d), "Finishing" of the State of California Department of Transportation Standard Specifications, except that the third, fourth, and fifth paragraph shall not apply. In addition, the following shall apply:

- a. A minimum of three (3) pneumatic tired rollers conforming to the requirements specified in Section 37-2.01C(2), "Equipment", of the Caltrans Standard Specifications shall be used, except that the rollers shall carry a minimum loading of 3,000 pounds on each wheel and air pressure of between 95 and 105 pounds per square (psi) inch in each tire.
- b. Operate rollers at a maximum speed of five (5) mph. Do not permit the aggregate to be displaced by pickup or sticking of material to the tire or drum surfaces. Roll the surface to uniformity and thoroughly bond the aggregate over the full width. Complete rolling within one (1) hour after asphalt is applied to the surface.
- c. In the course of construction where the asphalt-rubber distributor truck creates a joint by stopping at some point along the length of the roadway, the screenings spreader shall stop short of this joint, leaving a small strip of uncovered asphalt rubber. This is to prevent an overlapping double thickness joint from being created once work resumes. All reasonable precautions shall be taken to avoid skips and overlaps at joints. Any defect shall be corrected at the Contractor's expense by use of a shovel and/ or broom prior to continuing operations.
- d. The seal coat shall be applied in such a manner that the joint between the new and existing surface is neat and uniform in appearance, true to the line show on the plans and as established by the Engineer. The cut-off of asphaltic binder shall be made on building paper or similar material spread over the surface.
- e. Initial rolling of the asphalt-rubber chip seal shall consist of a minimum of one (1) complete coverage with three pneumatic-tired rollers working in tandem and shall begin immediately behind the screening's spreader. The distance between the rollers and the screenings spreader shall not exceed 200 feet at any time during the spreading of screenings operations.
- f. A minimum of three (3) additional complete coverages with the three pneumatic-tire rollers shall be made after the initial coverage on the asphalt-rubber chip seal.
- g. In addition to the three pneumatic-tired rollers one (1) 12-14 ton steel wheel roller shall be used on the final pass as the finish roller.
- h. Limit traffic speeds to fifteen (15) mph for twenty-four (24) hours after rolling operations have ceased; use of pilot cars may be necessary for the roadways that are typically driven on at higher rate of speed.

Final Sweeping

- A. Removal of excess aggregate shall be completed before uncontrolled traffic is permitted on the modified asphalt binder seal coat.
- B. An initial brooming shall be performed after completion of the final rolling and prior to routing public traffic on the modified asphalt binder seal coat.

Sweeping shall be a multi-step operation following final rolling of the Aggregate. Loose Aggregate shall be removed from the roadway surface and abutting adjacent areas. Loose Aggregate shall be disposed of at least 46 m from the nearest waterway.

The Contractor shall be responsible for any damages to the vehicles, pedestrians and residents due to loose aggregate. The Contractor is responsible for additional sweeping if requested by the Engineer.

Maintaining Traffic - Contractor shall provide temporary C6 "LOOSE GRAVEL" with 15-MPH speed limit signs installed at the entrance and at 150 feet intervals on both sides of the streets.

Pilot cars shall be sufficiently available to continuously convoy and control traffic. Pilot cars used to convoy or otherwise control traffic shall have radio contact with each other and other personnel in the work area. Pilot cars shall use only traffic lanes open to public traffic.

Test Strip

The Contractor shall construct three (3) test strips for evaluation by the Engineer. The test strips shall be 50 feet to 100 feet long and shall consist of the application courses specified. The test strips shall be constructed in the early morning and shall cure and be open to traffic within ten (10) minutes of application. The three (3) test strips will be performed with varied asphalt aggregate spread rates, as specified by the Engineer, to best select the application rates to be used for the operation.

The Engineer will evaluate the completed test strip immediately after traffic is allowed on the completed test strip to determine if the mix design and placement procedure are acceptable. If the materials as placed are determined by the Engineer to be unacceptable, no additional work will be permitted until the Contractor's proposed remediation has been approved by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work.

Each time the topography, roadway conditions, or type of road changes and is planned to be treated with the rubberized chip seal a new set of test strips shall be performed to ensure that the spread rates and rolling patterns are still applicable.

The approved test strip will be used for public relations purposes by the City for local residents to observe.

Microsurfacing

Microsurfacing shall be applied as describes in separate items of these Special Provisions. **Microsurfacing shall be paid by separate items. See Item No. 4: Microsurfacing (Type II) to Place for slurry Seal specifications.**

Microsurfacing coat shall be applied no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in asphalt rubber chip seal, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 4 - MICROSURFACING (TYPE II)

Microsurfacing shall consist of mixing a polymer modified, cationic microsurfacing emulsion (MSE), aggregate, mineral filler, set-control additives, and water and spreading the mixture on a pavement surface where shown on the plans, in conformance with the provisions in these special provisions, and as directed by the Engineer.

Material:

The material for microsurfacing shall conform to the following requirements:

Microsurfacing Emulsion (MSE)

Microsurfacing Emulsion (MSE) shall be homogenous and shall conform to the provisions of these special provisions. The polymer shall be milled or blended into the asphalt or blended into the emulsifier solution prior to the emulsification process.

The MSE shall conform to the following requirements when tested in conformance with the following test methods:

Polymer Modified, Cationic Microsurfacing Emulsion (MSE)		
Specification Designation	Test Method	Requirement
Viscosity, SSF, @ 77 F (25 C)	AASHTO T 59	15-90 Seconds
Sieve, max.	AASHTO T 59	0.30 Percent
Settlement, 5 days, max.	ASTM D244	5 Percent

Storage Stability, 1 day, max.	AASHTO T 59	1 Percent
Residue by Evaporation, min.	California Test 331	64 Percent

Specification Designation for Residue		
Specification Designation	Test Method	Requirement
Penetration@ 77 F (25C), 100g, 5s ,0.1mm	AASHTO T 51	40-60
Softening Point F min.	AASHTO T53	140

Polymer Content

Polymer Content shall be greater than or equal to 3.5%.

Water and Additives

Water shall be of such quality that the asphalt will not separate from the MSE before the microsurfacing is placed on the pavement. If necessary for workability, a set-control agent that will not adversely affect the microsurfacing product may be used.

Mineral Filler

Mineral filler shall be Portland cement or hydrated lime that is free of lumps. Portland cement shall be either Type I, Type II, Type III or combination thereof. The type of mineral filler shall be determined by the Contractor based on laboratory mix designs. The mineral filler will be considered part of the aggregate gradation requirement.

Aggregate

Slurry seal aggregate for all roads shall conform to ISSA Type II aggregate and shall be manufactured crushed stone such as granite, slag, limestone, chat, or other high quality aggregate, or combination thereof. To assure the material is totally crushed, 100% of the parent aggregate shall be larger than the largest stone in the gradation to be used.

When tested in accordance to AASHTO T27 (ASTM C136) and AASHTO T11 (ASTM C117), the aggregate gradation (including the mineral filler) shall be within following bands.

Type II Slurry Seal	
Sieve Sizes	Passing Percentage
9.5 mm (3/8")	100
4.75 mm (#4)	94-100
2.36 mm (#8)	65-90
1.18 mm (#16)	40-70
600 um (#30)	30-50
330 um (#50)	18-30
150 um (#100)	10-21
75 um (#200)	5-15

After the target gradation has been submitted and identified in the mix design, the percent passing each sieve shall not vary by more than the stockpile tolerance and still remain within the gradation band during the application of slurry seal.

The mineral aggregate shall also conform to the following:

Test	Test Method	Requirements
Sand Equivalent	CTM 217	70 min.
Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	CTM 214	15% Maximum w/NA ₂ SO ₄ 25% Maximum w/MgSO ₄
Loss in L.A. Rattler (100 Revolutions)	CTM 211	10% max.
Loss in L.A. Rattler (500 Revolutions)	CTM 211	35% max.
Durability Index	CTM 229	70 min.

Mix Design:

At least 7 working days before the microsurfacing placement commences, the Contractor shall submit for approval of the Engineer a laboratory report of tests and a proposed mix design covering the specific materials proposed for use on the project.

The percentages of each individual material proposed in the mix design shall be shown in the laboratory report. Individual materials shall be within the following limits:

Residual Asphalt	7.5% to 13.5% by dry mass of aggregate
Mineral Filler	0% to 3% by dry mass of aggregate
Additive	As needed
Water	As needed

Adjustments may be required during construction based on field conditions.

The mix design and aggregate tests shall be performed by a laboratory capable of performing the applicable International Slurry Surfacing Association (ISSA) tests. The proposed microsurfacing mixture shall conform to the specified requirements when tested in conformance with the following tests:

Test	ISSA Test Method	Requirements
Wet Cohesion @ 30 Minute (Set) (min.) @ 60 Minute (Traffic) (min.)	TB* 139	12 kg-cm 20 kg-cm
Excess Asphalt	TB* 109	540 g/m ²
Wet Stripping (min.)	TB* 114	90%
Wet Track Abrasion 6-day Soak Loss (max.)	TB* 100	810 g/m ²
Displacement Lateral (max.) Specific Gravity After 1000 Cycles of 125 lbs. (56.8 kg)(max.)	TB* 147A	5%. 2.10

Classification Compatibility	TB* 144	(AAA, BAA) 11 Grade Points
Mix Time @ 77°F (25°C)	TB* 113	Controllable to 120 Seconds
TB* = Technical Bulletin		

The laboratory that performed the tests and designed the mixture shall sign the laboratory report. The report shall show the results of the tests on individual materials and shall compare their values to those required by these special provisions. The report shall clearly show the proportions of aggregate, filler (minimum and maximum), water (minimum and maximum), set control additive, and MSE solids content (minimum and maximum) based on the dry mass of aggregate. The laboratory shall report the quantitative effects of moisture content on the unit mass of the aggregate (bulking effect) in conformance with the requirements of ASTM Designation C 29M. Previous laboratory reports covering the same materials may be accepted provided the material test reports were completed within the previous 12 months. The mix design shall further show the recommended changes in mineral filler, water, and additive proportions for high temperature weather conditions by reporting proportions of materials required for 60 seconds of mix time with materials heated to 100 °F (38°C). This 100 °F (38°C) mixing report will not be required for projects requiring nighttime application.

The component materials used in the mix design shall be representative of the microsurfacing materials proposed by the Contractor for use on the project.

Once the mix design is approved by the Engineer, no substitution of other material will be permitted unless the materials proposed for substitution are first tested and a laboratory report is submitted for the substituted design in conformance with the provisions of these special provisions. Substituted materials shall not be used until the mix design for those materials has been approved by the Engineer.

The completed mixture, after addition of water and set control agent, if used, shall be such that the microsurfacing mixture has proper workability. At the expiration of the road closure hours, in conformance with the provisions in "Maintaining Traffic" of these special provisions, the microsurfacing mixture shall be sufficiently cured to support unrestricted traffic one hour after placement.

Proportioning:

Aggregate, mineral filler, MSE, water, and additives, including the set-control agent, if used, shall be proportioned by volume utilizing the mix design approved by the Engineer. If more than one kind of aggregate is used, the correct amount of each kind of aggregate to produce the required grading shall be proportioned separately, prior to adding the other materials of the mixture, in a manner that will result in a uniform and homogeneous blend.

The aggregate shall be proportioned using a belt feeder operated with an adjustable cutoff gate. The height of the gate opening shall be determinable. The MSE shall be proportioned by a positive displacement pump. Variable rate emulsion pumps, if used, shall be calibrated and sealed in the pump's calibrated condition in conformance with California Test 109 prior to usage.

The delivery rate of aggregate and MSE per revolution of the aggregate feeder shall be calibrated at the appropriate gate settings for each mixer-spreader truck used on the project in conformance with California Test 109 and in conformance with the provisions of these special provisions.

The aggregate belt feeder shall deliver aggregate to the pugmill with such volumetric consistency that the deviation for any individual aggregate delivery rate check-run shall not exceed 2.0 percent of the mathematical average of 3 runs of at least 100 revolutions. The emulsion pump shall deliver MSE to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons revolutions. The water pump shall deliver water to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons (1135 L) each.

The MSE storage tank shall be located immediately before the emulsion pump and shall be equipped with a device which will automatically shut down the power to the emulsion pump and aggregate belt feeder when the MSE level is lowered to a point where the pump suction line is exposed.

A temperature-indicating device shall be installed in the emulsion storage tank at the pump suction level. The device shall indicate the temperature of the MSE and shall be accurate to within 10°F (5°C).

The belt delivering the aggregate to the pugmill shall be equipped with a device to monitor the depth of aggregate being delivered to the pugmill. The device for monitoring the depth of aggregate shall automatically shut down the power to the aggregate belt feeder whenever the depth of aggregate is less than the target depth of flow. A second device shall be located where the device will monitor the movement of the aggregate belt by detecting revolutions of the belt feeder. The devices for monitoring no flow or belt movement shall automatically shut down the power to the aggregate belt when the aggregate belt movement is interrupted. The device to detect revolutions of the belt feeder will not be required where the aggregate delivery belt is an integral part of the drive chain. To avoid erroneous shutdown by normal fluctuation, a delay of 3 seconds will be permitted between sensing and shutdown of the operation.

Mixing and Spreading Equipment:

The microsurfacing shall be mixed in continuous pugmill mixers of adequate size and power for the type of microsurfacing to be placed. All indicators shall be in conformance with the provisions of these special provisions and shall be in working order prior to commencing mixing and spreading operations.

Mixer-spreader trucks shall be equipped to proportion the MSE, water, aggregate, mineral filler, and set-control additives by volume. Rotating and reciprocating equipment on mixer-spreader trucks shall be covered with metal guards.

The mixer-spreader truck shall not be operated unless low-flow and no-flow devices and revolution counters are in good working condition and functioning and metal guards are in place. Indicators required by these special provisions shall be visible while walking alongside the mixer-spreader truck.

Aggregate feeders shall be connected directly to the drive on the emulsion pump. The drive shaft of the aggregate feeder shall be equipped with a revolution counter reading to the nearest one-tenth of a revolution.

In addition to the requirements in Section 5-1.33, "Equipment" of the State Standard Specifications, the identifying number of mixer-spreader trucks shall be at least three inches (75 mm) in height, located on the front and rear of the vehicle.

The microsurfacing mixture shall be spread by means of a spreader box conforming to the following requirements:

Spreader Box

The spreader box shall be capable of placing the microsurfacing a minimum of 12 feet (3.6 m) wide and shall have strips of flexible rubber belting or similar material on each side of the spreader box and in contact with the pavement to prevent the loss of microsurfacing from the box. Spreader boxes over eight feet (2.38 m) in application width shall have baffles, reversible motor driven augers or other suitable means to ensure uniform application on superelevated sections and shoulder slopes. Spreader box skids shall be maintained in such manner as to prevent chatter (wash boarding) in the finished mat. The spreader box in use shall be clean and free of microsurfacing and MSE at the start of each work shift.

The spreader box shall have a series of strike-off devices at the rear of the box. The leading strike-off device shall be fabricated of steel, stiff rubber or other suitable material. The number of strike-off devices shall be determined by the Contractor. The first strike-off device shall be designed to maintain close contact with the pavement during the spreading operations, shall obtain the thickness required, and shall be capable of being adjusted to the various pavement cross sections for application of a uniform microsurfacing finished surface. The final strike-off device shall be fabricated of flexible material suitable for the intended use and shall be designed and operated to ensure a uniform texture is achieved in the finished surface of the microsurfacing. The final strike-off device shall be cleaned or changed daily if problems with longitudinal scouring occur.

Flexible fabric drags attached to the rear of the spreader box shall not be used.

Preparation of Surface:

Immediately prior to applying the microsurfacing, the Contractor shall clean the street surface and lip of gutter joints of all loose material, silt spots, vegetation, and any other matter, which may adversely affect the adherence of the slurry to the existing pavement.

The Contractor shall remove thermoplastic stripes/markings, preformed traffic stripes/markings and raised pavement markers prior to slurry seal operation. The cost of removing the thermoplastic and preformed pavement stripes/markings shall be paid for by their associated bid item. The cost of removing all raised pavement markers, including raised blue fire hydrant markers, shall be included in the "Raised Reflective Pavement Markers to Place" bid item.

The Contractor shall be responsible for sweeping all streets with a mechanical power broom prior to sealing. The Engineer may require particularly dirty streets to be flushed with water. The Engineer must approve all flushing operations. The Contractor shall be responsible for cleaning sidewalks and driveways soiled by flushing operations.

The City shall remove and dispose of any garden refuse piles placed in the street.

The Contractor shall be responsible for locating, covering, removing, cleaning and protecting all utility covers, maintenance hole covers, water valve boxes, and any other utility covers. The methods of protection, referencing, locating, and cleaning shall be subject to approval by the Engineer prior to any resurfacing.

All protective coverings shall be removed from maintenance hole covers, water valve boxes, and other utility covers each day before opening the street to traffic.

Existing blue fire hydrant locators shall be removed prior to placing of the microsurfacing. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the microsurfacing. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots shall be paid for under Item No.9 "Pavement Markers to Remove and Place" of these Special Provisions.

Placing:

The microsurfacing mixture shall be uniformly spread on the existing surfacing within the rate specified without spotting, rehandling or otherwise shifting of the mixture.

The microsurfacing mixture shall not be placed when the ambient temperature is below 50 °F (10°C) or during unsuitable weather. Microsurfacing shall not be placed if rain is imminent or if there is the possibility that there will be freezing temperatures within 24 hours.

Microsurfacing shall be spread at a rate within the following ranges of pound of dry aggregate per square yard.

Microsurfacing Type	Location	Spread Rate
Type II	Full Traffic Width	15 - 17
Type III ¹	Full Traffic Width	20 - 32
Type III ²	Full Traffic Width	30 - 32

Notes: 1. For microsurfacing over asphalt concrete pavement.

2. For microsurfacing over Portland cement concrete pavement and concrete bridge decks.

The emulsion rate per square yard of dry aggregate shall be fourteen (14%) to sixteen (16%) percent of dry aggregate per square yard.

Longitudinal joints shall correspond with the edges of the traffic lanes. The Engineer may permit other patterns of longitudinal joints if the patterns will not adversely affect the quality of the finished product.

Through traffic lanes shall be spread in full lane widths only. Longitudinal joints common to 2 traffic lanes shall be butt joints with overlaps not to exceed 3 inches (76 mm). Building paper shall be placed at the transverse joints to avoid double placement of the microsurfacing. Other suitable methods to avoid double placement of the microsurfacing will be allowed. Hand tools shall be available to remove spillage.

Self-propelled pneumatic-tired rollers shall be used for the required rolling of the microsurfacing. Steel wheel rollers **shall not** be used. The pneumatic-tired rollers shall carry a minimum loading of 3,000 pounds (1,361 kg) on each wheel and a minimum pressure of 90 pounds per square inch in each tire. Foam filled tires will be allowed in lieu of 90 psi.

Rolling of the microsurfacing shall consist of a minimum of nine complete passes on straight roadway sections and fifteen complete passes on cul-de-sac bulbs. Rolling shall be completed before the street is open to traffic after the microsurfacing application. Contractor shall have sufficient number of rollers on site to fulfill this requirement.

The mixture shall be uniform and homogeneous after placing on the surfacing and shall not show separation of the MSE and aggregate after setting. The completed surface shall be of uniform texture and free from ruts, humps, depressions, or irregularities.

Adequate means shall be provided to protect the microsurfacing from damage by traffic until such time that the mixture has cured sufficiently so that the microsurfacing will not adhere to or be picked up by the tires of vehicles.

The Contractor shall be responsible for sweeping the streets and sidewalks to clear all raveling that may occur within the first two day after placing of the slurry seal, at no additional cost to the City..

The Contractor is responsible for an additional sweep approximately one week after placement of slurry seal and a final sweep approximately three to four weeks after placement of slurry seal.

The Contractor is responsible for additional sweeping if requested by the Engineer within 24 hours of the Engineer's request.

Test Strip:

The Contractor shall construct a test strip for evaluation by the Engineer. The test strip shall be 300 feet (100 m) to 500 feet (150 m) long and shall consist of the application courses specified. The test strip shall be constructed at the same time of day or night that the full production of microsurfacing will be placed and may be constructed in 2 days or nights when multiple course applications are specified.

The Engineer will evaluate the completed test strip after 12 hours of traffic on the completed test strip to determine if the mix design and placement procedure are acceptable. If the mix design or the placement procedure is determined by the Engineer to be unacceptable, the test strip will be rejected, the Contractor shall make modifications, and a new test strip shall be constructed and evaluated by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work. If ordered by the Engineer, rejected test strips shall be removed at the Contractors expense.

Repair of Early Distress:

If bleeding, raveling, delamination, rutting, or washboarding occurs after placing the microsurfacing, the Contractor shall diligently pursue repairs by any method approved by the Engineer, which may include micro-milling and replacement of the resurfacing.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in microsurfacing, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 5 — SIDEWALK

~~Portland cement concrete (PCC) sidewalk shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 of the Standard Specifications.~~

~~Sidewalk transitions to driveways shall be included in this bid item.~~

~~The sidewalk portion of the curb ramps shall be paid under this item. Curb ramps shall be constructed where shown on the Plans or as directed by the Engineer.~~

~~The cost of excavation and its disposal, placing six inches (6") of Aggregate Base Class 2 under the new sidewalk, and placing type 3 curb as needed at the back of walk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions. Type 3 curb shall conform to DWG T-11 of the Standard specifications.~~

~~At locations where curb ramps or sidewalks are being retrofitted into existing sidewalk areas, sidewalk shall match existing color by adding one pound of lamp black per cubic yard of concrete.~~

~~If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.~~

~~Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing 3 1/2" PCC sidewalk as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 6 — CURB AND GUTTER (TYPE 1)

~~Portland cement concrete curb and gutter type 1 shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 (DWG. T-11) of the Standard Specifications.~~

~~The curb and gutter portion of the curb ramps and transitions to existing curb and gutter of a different type shall be paid for with this item of work.~~

~~The cost of excavation and its disposal and placing six inches (6") of Aggregate Base Class 2 under the new sidewalk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions.~~

~~The new concrete curb and gutter shall match existing improvements. The curb and gutter shall match existing color by adding one pound of lamp black per cubic yard of concrete.~~

~~Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in constructing curb and gutter type 1 as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 7 — TRUNCATED DOMES

~~Cast in place truncated domes shall be installed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 38 (DWG. T-78 and T-79) of the Standard Specifications.~~

~~Detectable Warning Tiles shall be Armor Tile, ADA Solutions, Equaltile or approved equal, as manufactured by Engineered Plastics Inc.: Product (#1) #ADA-C3648S YW, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #ADA-S-3648 YW, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow or ADA Solutions Product (#1) #3648IDPAV1Y, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #3648IDRET1Y, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow. Detectable Warning Tiles shall have a five (5) year written warranty.~~

~~Installation of detectable warnings shall be by manufacturers, trained and certified individuals. Detectable warning and installation shall have a five (5) year written warranty.~~

~~Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with installing cast in place truncated domes as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 8 - ADJUST MAINTENANCE HOLE TO GRADE

Existing maintenance holes shall be adjusted to the grade of the new surface and shall conform to the applicable requirements of Sections 10, 25 and 38 of the Standard Specifications and these Special Provisions.

The cost of adjusting a maintenance hole shall include any necessary lowering, temporarily removing, covering and raising the maintenance hole head to the grade of the new surface under this item.

If lowering is necessary, the Contractor shall verify that all lowered maintenance holes are raised back to grade by back checking against drawings. The Contractor shall perform field review with the Engineer to ensure all maintenance holes shown on the drawings have been raised to grade.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in adjusting maintenance holes to grade as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 9 - INSTALL SIGN POST

This item shall consist of installing new posts for traffic signs where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the posts. The Contractor shall review the proposed post location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the post. The Engineer may make adjustments to the proposed post location in the field.

All posts shall have a minimum resisting Moment of 400 foot-pounds. All posts shall be capped. Post caps may be aluminum or galvanized steel. Bolts and miscellaneous metal hardware shall be galvanized or plated after fabrication in conformance with Section 75 "galvanizing" of the State of California, Department of Transportation Standard Specifications.

Payment shall be made at the unit price bid per each post, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in

installing new posts for traffic signs as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 10 - INSTALL ROADSIDE SIGN

This item shall consist of manufacturing, furnishing and installing traffic signs on existing posts or new posts shall be placed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions. New posts will be paid by a separate item.

A sign material and installation submittal must be reviewed and accepted by the Engineer before fabrication and installation.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the signs. The Contractor shall review the proposed sign location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the sign. The Engineer may make adjustments to the proposed sign location in the field.

The Contractor shall use the sign sizes as shown in the State of California, Department of Transportation Traffic Manual, unless specified otherwise on the drawings.

Signs located at the side of the roadway shall have a minimum height of seven feet (7') from the adjacent ground to the bottom of the sign, unless specified otherwise. The height of a combination of signs in the median, such as an R7 with an R10, shall be 18 inches from the top of the island to the bottom of the lowest sign (R10) with a maximum one-inch separation between the two signs.

Each sign shall have the date of manufacture and a location number stenciled on the backside. Location information shall consist of each sign having an individual number which will be recorded on a clean set of Plans during the sign installation and shall be turned in as part of the "Record Drawings".

A. Sign Posts

A 5/16-inch diameter cap screw with a plated rubber backwasher against the face of the sign and elastic stop nuts shall be placed through the sign and post at both top and bottom of each sign. A "V" notched piped saddle, to support the sign, shall be placed between the sign and the post.

B. Signal and Street Light Poles

Place a 3/4-inch stainless steel banded strap and appropriate hardware at both top and bottom of each sign.

C. Sheeting Grade

Sheeting Grade shall use ASTM Type 11 or 3M DG Cubed specifications designed to enhance nighttime visibility of traffic control signs and objects. Type 11 or 3M DG Cubed sheeting shall have a precoated adhesive protected by an easily removable liner.

D. Sign Material

All signs shall be aluminum panels conforming to 5052-H38. All road signs shall be 0.08" thick with the exception of street name signs which shall be 0.125" thick.

Payment shall be made at the unit price bid per each sign and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing traffic signs on existing posts or new post as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 11 - RELOCATE ROADSIDE SIGN

Existing roadside signs shall be removed and relocated to the new locations shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Each roadside sign shall be installed at the new location on the same day that the sign is removed from its original location. If the sign post in the original location is no longer in use, contractor shall remove and dispose of pole.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in relocating the roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 12 - REMOVE ROADSIDE SIGN

Existing roadside signs shall be removed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Removed sign panels shall be salvaged and delivered to the City of Sacramento Traffic Sign and Markings Section at 5730 24th Street, Building 10, Sacramento, CA. Existing roadside signs shall not be removed until replacement signs have been installed or until the existing signs are no longer required for the direction of public traffic, unless otherwise directed by the Engineer.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in removing roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 13 - REMOVE THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Thermoplastic and preformed traffic stripes (4", 6", 8", 12") shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing traffic stripes shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The striping and markings' contractor shall be required to provide and submit to the Engineer a weekly schedule of work for each week showing a list of streets in order of performance at least

one week prior to performing any work. A contact person and phone number of responsible parties shall be affixed to this list.

The Contractor shall place temporary markers prior to removing traffic control measures during the striping removal operation. Temporary markers shall be maintained until permanent striping is in place.

Measurement shall be by the linear foot of traffic stripe removed. No payment will be made for gaps in broken traffic stripes. Double center stripes shall be paid as two (2) four-inch stripes.

Twelve-inch traffic stripes are defined as both transverse and longitudinal lines, which include, but are not limited to, 12" limit lines, 12" crosswalks stripes, and 12" speed hump stripes. 24" limit lines shall be considered as two 12" stripes to remove.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Thermoplastic and preformed pavement marking shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing markings shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Pavement markings are defined as, but are not limited to, word and symbol markings, parking brackets, and "Ladder" crosswalks.

Payment shall be lump sum for remove thermoplastic striping and pavement marking and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with removing traffic stripes and pavement markings as specified in these Special Provisions and as directed by the Engineer

ITEM NO. 14 - INSTALL THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Preformed thermoplastic stripe and pavement markings, both white and yellow, shall be constructed on asphalt and asphalt concrete pavement as shown on the plans or as directed by the Engineer and shall conform to AASHTO M249-79(98) and the applicable requirements of Section 32 of the City Standard Specifications and these Special Provisions.

Measurement shall be per lump sum to install all striping, pavement markings and marker shown on plans and in accordance with Caltrans Standard Detail A20A. For example, a Detail 22 includes two solid stripes and 2 markers every 24'. The measurement per lump sum would include the placement of both the stripes and markers, including the blue markers that must be placed in front

of fire hydrants, and all pavement markings not covered under a separate bid item, and no additional payment would be made therefor.

Payment shall be at the unit price bid per lump sum for placement of thermoplastic pavement stripes and markers, thermoplastic pavement markings and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in the placement of such as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 15 - MODULAR CURB

Installing modular curb at the locations shown on the plans shall conform to Section 32 City Standard Specifications 81 & 82 of the State Standard Specifications, the 2014 California Manual for Uniform Traffic Control Devices, and these Special Provisions and as directed by the Engineer.

Modular Curb shall be three-foot overall length speed bump. The curbs shall be approximately 2.25" tall and surface mounted per the manufacturer's recommendation. Acceptable models include PEXCO FG300 Turnpike or approved equal. Modular curb shall include 36" white posts with at least 2-2" bands of retroreflective tape at the top of post.

Contractor shall submit to Engineer, for approval, the manufacturer's specification of the tuff curb. Curbs shall not be placed on the project prior to approval by the Engineers of the manufacturer's specifications submitted by the contractor.

Payment shall be at the price paid per liner foot and shall be full compensation for furnishing all labor, materials, tools, equipment and incidentals, as shown on the Drawings, as specified in these Special Provisions or as directed by the Engineer.

TITLE VI

Title VI Language

APPENDIX A

During the performance of this contract, the contractor, for itself, its assignees and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

(1) *Compliance with Regulations:*

The contractor shall comply with the Regulations relative to nondiscrimination in Federally-assisted programs of the Department of Transportation (hereinafter, "DOT") Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the Regulations), which are herein incorporated by reference and made a part of this contract.

(2) *Nondiscrimination:*

The contractor, with regard to the work performed by it during the contract, shall not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor shall not participate either directly or indirectly in the discrimination prohibited by section 21.5 of the Regulations, including employment practices when the contract covers a program set forth in Appendix B of the Regulations.

(3) *Solicitations for Subcontracts, Including Procurements of Materials and Equipment:*

In all solicitations either by competitive bidding or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials or leases of equipment, each potential subcontractor or supplier shall be notified by the contractor of the contractor's obligations under this contract and the Regulations relative to nondiscrimination on the grounds of race, color, or national origin.

(4) *Information and Reports:*

The contractor shall provide all information and reports required by the Regulations or directives issued pursuant thereto, and shall permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the (Recipient) or the (Name of Appropriate Administration) to be pertinent to ascertain compliance with such Regulations, orders and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish this information the contractor shall so certify to the (Recipient), or the (Name of Appropriate Administration) as appropriate, and shall set forth what efforts it has made to obtain the information.

(5) *Sanctions for Noncompliance:*

In the event of the contractor's noncompliance with the nondiscrimination provisions of this contract, the (**Recipient**) shall impose such contract sanctions as it or the (**Name of Appropriate Administration**) may determine to be appropriate, including, but not limited to:

- (a) withholding of payments to the contractor under the contract until the contractor complies, and/or
- (b) cancellation, termination or suspension of the contract, in whole or in part.

(6) *Incorporation of Provisions:*

The contractor shall include the provisions of paragraphs (1) through (6) in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Regulations, or directives issued pursuant thereto. The contractor shall take such action with respect to any subcontract or procurement as the (**Recipient**) or the (**Name of Appropriate Administration**) may direct as a means of enforcing such provisions including sanctions for non-compliance: Provided, however, that, in the event a contractor becomes involved in, or is threatened with, litigation with a subcontractor or supplier as a result of such direction, the contractor may request the (**Recipient**) to enter into such litigation to protect the interests of the (**Recipient**), and, in addition, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

Construction and Demolition (C&D) Debris Recycling Requirements

As a condition of receiving this Contract, Contractor agrees to fully comply with the requirements specified herein for all demolition projects, as well as projects with a valuation of \$250,000 or more:

1. **Definitions.** For purposes of this section, the following terms, words and phrases shall have the following meanings:

“Certified C&D sorting facility” means a facility that receives C&D debris and/or processes C&D debris into its component material types for reuse, recycling, and disposal of residuals and possesses a valid certificate as a C&D sorting facility from the Sacramento Regional County Solid Waste Authority.

“Construction and demolition debris” or “C&D debris” means used or commonly discarded materials resulting from construction, repair, remodel or demolition operations on any pavement, house, building, or other structure, or from landscaping that are not hazardous as defined in California Health and Safety Code section 25100 et seq. Such materials include, but are not limited to, concrete, asphalt, wood, metal, brick, dirt, sand, rock, gravel, plaster, glass, gypsum wallboard, cardboard and other associated packaging, roofing material, ceramic tile, carpeting, masonry, plastic pipe, trees, and other vegetative matter resulting from land clearing and landscaping.

“Divert” or “diversion” means to use materials for any purpose other than disposal in a landfill or transformation facility. Methods to divert materials include on-site reuse of the materials, delivery of materials from the project site to a certified C&D sorting facility or a recycling facility, or other methods as approved in regulations promulgated by the City Department of Utilities.

“Franchised waste hauler” means a person who possesses a valid commercial solid waste collection franchise issued by the Sacramento Regional County Solid Waste Authority.

“Mixed C&D debris” means loads that include commingled recyclable and non-recyclable C&D debris generated at a project site.

“Recyclable C&D debris” means C&D debris required to be diverted from landfills as specified in the Waste Management Plan and returned to the economic mainstream in the form of raw material for new, reused or reconstituted products that meet the quality standards necessary to be used in the marketplace.

“Recycling facility” means a facility or operation that receives, processes, and transfers source-separated recyclable materials.

“Source-separated C&D debris” means recyclable C&D debris that is separately sorted and containerized at the site of generation by individual material type and segregated from mixed C&D debris prior to collection and transporting.

“Waste log” means a record detailing the management of C&D debris generated by the covered project, including the date and weight/volume of material by type that was salvaged, reused, recycled or disposed.

2. **Waste Management Plan.** A completed WMP (see **Attachment 1**) must be submitted to and approved by the City prior to commencing any work on the project. The WMP must specify the types of C&D debris that will be generated from the project; the manner in which C&D debris will be managed and/or stored on the project site; the manner in which recyclable C&D debris generated from the project will be recycled or reuse; the person who will haul, collect or transport the recyclable C&D debris from the project site; and the certified C&D sorting facility or recycling facility where recyclable C&D debris will be delivered. The WMP must be approved by the City prior to commencing any work on the project.

3. Contractor shall be solely responsible for diverting the recyclable C&D materials specified on the WMP. Mixed C&D debris shall be delivered to a SWA-certified C&D sorting facility only. Only the permit holder, the person who generates the waste, a franchised waste hauler, or the City of Sacramento can transport or haul mixed C&D debris. Source-separated C&D debris may be delivered by any person to any recycling facility that accepts such materials. (See **Attachment 2** for list of C&D Debris Haulers and Facilities).

4. During the course of the project, Contractor shall maintain a waste log (see **Attachment 3**), and keep all weight tickets or weight receipts, for all C&D debris hauled away from the project. At a minimum, the waste log shall specify the C&D debris generated by the project; the manner in which C&D debris was recycled or re-used; and the facility where the C&D debris was delivered.

5. Within 30 days after submitting the project completion report, Contractor shall submit to the City a completed waste log, along with copies of supporting weight tickets. Contractor shall maintain and keep accurate and complete records of all bills, weight receipts or weight tickets that were issued for the collection, transport or disposal of C&D debris for a period of one-year after submittal of the waste log. The records shall be made available for inspection, examination and audit by the City during the one-year retention period to validate the information provided in the WMP and in the waste log. If the City determines noncompliance by the Contractor after an audit has been conducted, Contractor shall reimburse the City for all costs incurred in performing the audit.

6. Failure by Contractor to comply with any provisions specified herein will subject Contractor to possible suspension and/or termination of this Contract for cause; repayment of any or all of the Contract amount disbursed by the City; imposition of a penalty, payable to the City (\$50-\$250 for first offense, \$251-\$500 for second offense, and \$501-\$1500 for subsequent offenses); and/or submission of a performance security deposit fee when submitting a permit application to the City for a project within one year of imposition of the penalty.

For questions or to obtain more information about the Recycling Requirements for C&D debris, contact the City of Sacramento, Solid Waste Services Division, 2812 Meadowview Road, Building 1, Sacramento, CA 95832, or telephone (916) 808-4833, or email C&D@cityofsacramento.org

C&D Debris Waste Management Plan

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Form
submitted by:

Please attach a business card, or put your name with a phone number and/or an email address.

This Waste Management Plan (WMP) must be submitted and approved before work can begin. Only one WMP is required for each public construction project. The administration fee and, if applicable, a security deposit must be submitted with this form to be approved. Administration fee is 0.04% of project bid amount (min \$40, max \$800); security deposit, if applicable, is 1% of bid amount (max \$10,000). The accompanying Waste Log must be submitted within 30 days of the project completion report, or a penalty may be imposed.

A. Building Project Information:

Job Address: _____
Contractor: _____
Address: _____

Engineering
Estimate: _____
Phone: _____
Email: _____

B. Briefly describe the project:

C. Materials Required to be Recycled

50% of all debris must be recycled if generated during the course of your project. You can either **source-separate** them, which may be hauled by anyone, or mix them in one container and send the **mixed C&D debris** load to a **Certified Mixed C&D Sorting Facility**. Mixed C&D loads can only be hauled by a franchised hauler or self-hauled. Please see the Definitions section, on the next page, for more information.

50%
of all debris
must be recycled

D. Material Management

1. How will C&D debris will be stored on the project site: _____ Mixed C&D _____ Source-Separated
2. Company to haul away debris: _____
3. Facilities to receive debris: _____

C&D Debris Waste Management Plan

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

E. Definitions.

Please read and understand these terms. Call Solid Waste at (916) 808-4833 if these terms are not clear to you. More information is also available online at <http://www.cityofsacramento.org/utilities/>.

1. **Self-haul or self-hauling:** This is when the general contractor or a subcontractor who is doing work on the project hauls their own waste materials for recycling or disposal. Note that a jobsite cleanup crew is not doing other work on the project and is not self-hauling. Jobsite cleanup crews need to be franchised in order to haul mixed C&D debris away.
2. **Franchised hauler:** Check the Department of Utilities (DOU) website for a list of these haulers. Only these companies and the City of Sacramento can collect and haul mixed C&D debris generated within the City for a fee.
3. **Source separation:** This means keeping wood, metal, cardboard, or other recyclables in separate containers, and sending the materials to an authorized recycler. A list of authorized recyclers can be found on the DOU web site. Source-separated materials may be hauled by anyone.
4. **Mixed C&D debris:** This means putting all recyclable debris into one container. Mixed materials must be sent to a certified mixed C&D sorting facility. Mixed materials may be either self-hauled or hauled by a franchised hauler. If your job site is crowded, this option saves the most space.
5. **Certified Mixed C&D Sorting Facility:** See the DOU web site for a list. These facilities have been certified by the Sacramento Regional Solid Waste Authority (SWA) to extract recyclable materials from mixed C&D debris.

F. Terms and Conditions

- Your approved Waste Management Plan and Waste Log must be kept on the job site for the duration of the project.
- City of Sacramento Solid Waste Services staff may enter the jobsite to inspect waste collection areas.
- **ALL Clean Wood Waste** (unpainted, untreated lumber, plywood and OSB), **Inert Materials** (concrete, asphalt paving, brick, block, and dirt), **Wooden Pallets**, **Scrap Metal**, and **Corrugated Cardboard** must be recycled.
- Only SWA-Certified Mixed C&D Sorting Facilities may be used to recycle these materials if mixed with other materials.
- Only the City of Sacramento, SWA-Franchised Haulers, or self-haulers (as defined above) may collect and transport mixed C&D material from the jobsite.
- C&D Debris may not be burned or dumped illegally.
- Your Waste Log must be completed and submitted, with supporting weight tickets, within 30 days of submitting your project completion report. All waste hauling and disposal or recycling activity must be entered on the Waste Log, including information from any subcontractors who self-hauled their own debris off-site.
- You must keep all receipts or weight-tickets from your project for a period of one year from the submittal of your waste log.
- Failure to comply with these terms and conditions may result in a fine and payment of a security deposit on future projects.

C&D Debris Haulers & Facilities

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4833 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Certified Mixed C&D Facilities

Allied Waste / Elder Creek Transfer and Recovery	(916) 387-8425
Florin-Perkins Public Disposal	(916) 443-5120
L&D Landfill	(916) 737-8640
Waste Management / K&M Recycle America	(916) 452-0142

Franchised Haulers

ACES Waste Services, Inc.	(866) 488-8837	Elk Grove Waste Management, LLC	(916) 689-4052
Allied Waste Services	(916) 631-0600	Mini Drops, Inc.	(916) 686-8785
All Waste Systems, Inc.	(916) 456-1555	Norcal Waste Services of Sacramento	(916) 381-5300
Atlas Disposal Industries, LLC	(916) 455-2800	North West Recyclers	(916) 686-8575
California Waste Recovery Systems	(916) 441-1985	Waste Management of Sacramento	(916) 387-1400
Central Valley Waste Services, Inc.	(209) 369-8274	Waste Removal & Recycling	(916) 453-1400
City of Sacramento Solid Waste	(916) 808-4839	Western Strategic Materials, Inc.	(916) 388-1076

Recyclers*

Bell Marine	(916) 442-9089
C & C Paper Recycling	(916) 920-2673
EBI Aggregates	(916) 372-7580
International Paper	(916) 371-4634
Modern Waste Solutions	(916) 447-6800
PRIDE Industries, Inc.	(916) 640-1300
Recycling Industries, Inc.	(916) 452-3961
Sacramento Local Conservation Corps	(916) 386-8394
Smurfit-Stone Container Corporation	(916) 381-3340
Southside Art Center	(916) 387-8080
Spencer Building Maintenance, Inc.	(916) 922-1900

Recovery Stations & Landfills

Elder Creek Recovery & Transfer Station	(916) 387-8425
Kiefer Landfill	(916) 875-5555
L & D Landfill	(916) 383-9420
North Area Recovery Station	(916) 875-5555
Sacramento Recycling & Transfer Station	(916) 379-0500
Waste Management Recycle America	(916) 452-0142

More updated information can be found online at:

<http://www.cityofsacramento.org/utilities/>

* Please note that any facility may receive source-separated recyclable materials as long as it is authorized to do so by the State of California. This is not meant to be a complete list.

C&D Debris Waste Log

C&D Debris Waste Management Plan
City of Sacramento Solid Waste Services
2812 Meadowview Road, Building 1
Sacramento, CA 95832
Phone: (916) 808-4839 / Fax: (916) 808-4999
C&D@cityofsacramento.org

Project address: _____

This waste log, and copies of supporting weight tickets, must be submitted to Solid Waste within 30 days of submitting the project completion report. The waste log and weight tickets must also be kept on file for one year after project completion.

Date	Hauler	Material	Destination	Amount

Hauler: Indicate the Franchisee, Self-Hauler, City of Sacramento, or other hauler who removed the material offsite.
Material: Indicate appropriate category: Scrap Metal, Inert Materials, Cardboard, Wooden Pallets, or Clean Wood Waste.
Destination: Indicate the facility that received the material for disposal or recycling
Amount: Indicate the weight. If weight is not known, put volume.

SPECIAL PROVISIONS

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BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)

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**SPECIAL PROVISIONS
FOR
CARLSON DRIVE REHABILITATION
BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)**

1. GENERAL REQUIREMENTS

1.1 SCOPE AND LOCATION OF WORK

The following items of work are to be performed in these Special Provisions:

The repaving of Carlson Drive from H St to Sandburg Drive within the City limits.

The work includes treating the pavement with an asphalt rubberized cape seal, striping removal and replacement, updating 21 curb ramps to current ADA standards.

The underground work includes adjusting maintenance holes to match new grades.

1.2 SPECIFICATIONS

The work to be performed under this contract shall be in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the City Standard Specifications of the City of Sacramento, adopted June 2020, referred to herein as "Standard Specifications" and any amendments. Reference is also made to 2025 California Department of Transportation Standard Specifications, referred to herein as "State Standard Specifications" and any amendments. The General Requirements of this contract shall be governed by these Special Provisions first, followed by Section 1 through Section 8 of the Standard Specifications. Other standards or specifications specified in these Special Provisions govern only the applicable technical specifications unless otherwise specified in these Special Provisions.

1.3 ORDER OF WORK

Contractor may begin curb ramp and surface preparation work immediate after contract execution. Cape Seal (chip seal and Microsurfacing) work shall be coordinated with Glenn Hall Park restoration project being performed by others. Cape Seal may not be installed until Glenn Hall Park restoration is complete. When Cape Seal work is performed, under no circumstances may both Carlson Drive and Camellia Avenue be closed at the same time. Contactor shall submit a work plan describing the order they intend to prosecute work.

1.4 COMPLETION TIME

The time limit for the completion of all items of work is fifty (50) working days, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor shall pay a sum in the amount of THREE THOUSAND SIX HUNDRED DOLLARS

(\$3,600.00) as liquidated damages, and not as a penalty, for each calendar day delay after the expiration of fifty (50) working days.

The Engineer will furnish the Contractor a weekly statement showing the number of working days charged to the contract for the preceding week and the number of working days charged to date. The Contractor will be allowed fifteen (15) calendar days in which to file a written protest setting forth in what respect the Contractor disagrees with the working day statement, otherwise the working day statement of the Engineer shall be deemed to have been accepted by the Contractor as correct.

1.5 TIME OF AWARD

Section 3-2, "Time of Award," of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within Sixty (60) calendar days after opening of the proposals to the lowest responsible bidder.

1.6 PROVIDING BONDS AND SURETY

The Contractor shall provide signed agreement and surety bonds within ten (10) calendar days after receipt of notice to award by the City and prior to award by the City Council. The Contractor shall be reimbursed for all surety bond costs should the City Council not award a contract.

1.7 PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Requests for interpretation shall be made in writing and delivered to the City at least seven (7) calendar days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Requests for information regarding this procedure or other similar information, shall be submitted through planet bids.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Engineer immediately but at least two (2) weeks prior to the bid opening date.

1.8 NO TRUCK HAUL ROUTE ON 28TH STREET SOUTH OF E STREET

The Contractor and its subcontractors must not use 28th Street south of E Street as part of any haul route to and from the Bell Marine Co., Inc./ Harbor Sand and Gravel located at 200 28th Street. Acceptable routes to and from the facility are as follows:

To enter facility:

North on 30th Street
West on E Street
North on 28th Street

To exit facility:

South on 28th Street
East on C Street
South on 29th Street

The Contractor shall be assessed an administrative penalty of \$500 for each Contractor or subcontractor dump truck that uses 28th Street South of E Street to enter or exit the Bell Marine Co., Inc/Harbor Sand and Gravel.

1.9 CERTIFICATE OF COMPLIANCE

The Contractor shall provide the Engineer with a manufacturer's "Certificate of Compliance" at the Engineer's request within two weeks. The Certificate of Compliance shall clearly show that the material, equipment and/or work is in compliance with the tests and specifications set forth in these contract documents.

1.10 GOLD SHOVEL STANDARD PROGRAM

On July 20, 2018, the City of Sacramento became the first municipality in California to become a Gold Shovel Certified Community. As such, the City of Sacramento is highly encouraging its contractors bidding on City projects to become Gold Shovel Certified. The Gold Shovel Standard Certification was developed to ensure that hired contractors adhere to the safest excavation standards. To learn more about the Gold Shovel Standard certification process, please visit the following website: www.goldshovelstandard.org.

1.11 COMMUNITY WORKFORCE TRAINING REQUIREMENTS

This project is not subject to the requirements of the City's Local Hire and Community Workforce Training Program and the City's Community Workforce Training Agreement (CWTA).

1.12 FINAL PAY QUANTITY

Final pay quantity is designated on the sealed bid proposal sheet with a "(F)". Final pay quantity shall conform to Section 9-1.015 "Final Pay Items" of the State Standard Specifications, except that the final pay quantity designation shall be made on the sealed bid proposal rather than the Plans.

1.13 EQUIPMENT TO BE SUPPLIED

All equipment, material and supplies called for in the specifications shall be new and currently manufactured items, unless otherwise specified. All equipment shall be complete and in operation to the satisfaction of the Engineer at the time of acceptance of the work.

All incidental parts which are not shown on the Plans or specified herein and which are necessary to complete the project shall be furnished and installed as though such parts were shown on the Plans or specified herein.

All equipment, materials, or supplies to be considered as an approved equal must be submitted to the City contact listed in PREBID INTERPRETATION OF CONTRACT DOCUMENTS, for approval no less than ten (10) calendar days prior to the bid opening date. If the City finds said equipment, materials, or supplies to be acceptable, an addendum will be issued notifying all bidders by the close of business on Friday before the bid opening date. If there is no addendum accepting an approved equal, bidders shall submit bids based on the original specified equipment, materials, or supplies.

1.14 HANDLING AND REMOVAL OF HAZARDOUS OR CONTAMINATED MATERIALS

In the event hazardous or contaminated materials are encountered at the site for which separate handling or removal provisions have not been made in these Special Provisions, the Contractor shall stop work on that item, contact the Engineer and schedule his operations to work elsewhere on the site if possible. The City will be responsible for handling and removal of hazardous material or may request that the Contractor shall be available, through contract change order, to provide additional services as needed for the completion of the work. Additional services may consist of retaining a subcontractor who possesses a California license for hazardous substance removal and remedial actions.

Hazardous or contaminated materials may only be removed and disposed of from the project site in accordance with the following provisions:

1. All work is to be completed in accordance with the following regulations and requirements:
 - a. Chapter 6.5, Division 20, California Health and Safety Code.
 - b. California Administration Code, Title 22, relating to Handling, Storage, and Treatment of Hazardous Materials. 29 Code of Federal Regulation 1910.120 relating to Hazardous Waste Operation Safety Training.
 - c. City of Sacramento Building Code and the current edition of the Uniform Building Code.
2. Coordination shall be made with the County of Sacramento Environmental Management Department, Hazardous Materials Division, and the necessary applications shall be filed.
3. All hazardous materials shall be disposed of at an approved disposal site and shall only be hauled by a current California registered hazardous waste hauler using correct manifesting procedures and vehicles displaying a current Certificate of Compliance. The Contractor shall identify by name and address the site where toxic substances shall be disposed of. NO payment

for removal and disposal services shall be made without a valid certificate from the approved disposal site that the material was delivered.

None of the aforementioned provisions shall be construed to relieve the Contractor from the Contractor's responsibility for the health and safety of all persons (including employees) and from the protection of property during the performance of the work. This requirement shall be applied continuously and not be limited to normal working hours.

1.15 COORDINATION

The Contractor shall coordinate his activities in a manner that will provide the least interference with the City's operations, other contractors and utility companies working in the area, and agencies exercising jurisdiction over the project area or portions thereof.

1. At a minimum the Contractor shall coordinate his operations with the following:

- Underground Service Alert

Contractor shall contact Underground Service Alert (USA) at 1-800-227-2600, a minimum of three (3) working days prior to any excavation.

The Contractor shall be responsible for any garden refuse piles, which are inadvertently placed in the street between the time of City pickup and the Contractor's work. The cost for removing garden refuse piles shall be included in the unit prices bid for the various items of the proposal.

The cost of coordination shall be included in the unit prices bid for the various items of the proposal and no additional compensation will be allowed therefor.

1.16 PROJECT SCHEDULING

The Contractor shall submit to the Engineer a practicable progress schedule and a schedule of values at the pre-construction meeting and within 5 days of the Engineer's written request at any other time. The Contractor shall furnish the schedules on a form of his choice. The progress schedule shall show the order in which the Contractor proposes to carry out the work, the dates on which he will start the features of the work and the contemplated dates for completion of the work. The schedule of values is submitted for use in determining progress payments. The progress schedules submitted shall be consistent in all respects with the time and order of work requirements of the contract.

The Contractor shall submit, review and update a project schedule in accordance with Section 7-2 of the Standard Specifications. Subsequent to the time that submittal of a progress schedule and a schedule of values is required in accordance with these specifications, no progress payments will be made prior to the submittal of an acceptable project schedule.

1.17 PROTECTION OF EXISTING IMPROVEMENTS

The location, alignment, and depth of existing underground utilities as shown on the Plans are taken from public records and no responsibility is assumed for their accuracy.

The Contractor's attention is directed to the provisions of Chapter 3.1 "PROTECTION OF PUBLIC UTILITIES IN PUBLIC CONTRACTS" of the California Government Code concerning protecting existing overhead and underground utilities. In particular, Section 4216 and Section 4217.

Existing improvements, utilities and adjacent property shall be protected from damage resulting from the Contractor's operations. All trees, shrubbery, grass, fences, mail boxes, walls and other improvements including existing pavements, sidewalks, street improvements, sprinkler systems and underground utilities and other improvements not to be removed under this contract shall be protected from damage by the Contractor throughout the construction period.

All painted or other disfiguring markings on the pavement, sidewalk or gutters shall be removed by the Contractor before acceptance of the work.

The Contractor will ensure that utility services to customers in the project are maintained.

The Contractor is responsible for the protection of and for damage to existing overhead and underground utility lines and services encountered during the course of construction. The Contractor shall notify the respective utility owner prior to any interruption of service.

The Contractor is expected to "pothole" existing underground utilities a minimum of ten (10) working days in advance at any location where an existing utility may be in conflict with the proposed work.

The cost of relocating existing overhead or underground utilities not specified on Plans to be relocated, but which the Contractor elects to relocate or cut and reconnect for his/her own convenience, shall be borne by the Contractor.

No compensation will be paid to the Contractor for the maintenance and protection of existing utilities and facilities. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.18 TRAFFIC HANDLING, PUBLIC SAFETY AND CONVENIENCE

The contractor's attention is directed to Sections 6 and 7 of the Standard Specifications.

The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for vehicles, pedestrians and bicycles affected by the construction work. For emergency purposes, the responsible person in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be indicated on the permit application.

The contractor shall adhere to guidelines as stated in Section 12.20.030 of Title 12 of the Sacramento City Code pertaining to Traffic Control Plan – Requirements, and shall conform to the current edition of the California MUTCD. Particular attention is directed to Chapter 6D –

Pedestrian and Worker Safety and Chapter 6F – Temporary Traffic Control Zone Devices, Section 6F.68 – Detectable Edging for Pedestrians.

At the end of each working day if a difference in excess of 0.2 foot exists between the elevation of the existing pavement and the elevation of any excavation within 8 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way. During excavation operations, native material may be used for this purpose, however, once the placing of the structural section commences, structural material shall be used. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. Full compensation for placing the material on a 4:1 slope, regardless of the number of times it is required, and subsequent removing or reshaping of the material to the lines and grades shown on the plans shall be considered as included in the contract price paid for the material involved and no additional compensation will be allowed therefor. No payment will be made for material placed in excess of that required for the structural section.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor at his expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Roadway excavation and the construction of embankments shall be conducted in such a manner as to provide a relatively smooth and even surface satisfactory for use by public traffic at all times. Skid resistance steel plates or other approved methods shall be used to cover all open excavations in the roadways and sidewalks at all times during construction

The plans shall be developed with the following requirements:

1. Working hours shall be between 8:00 AM and 5:00 PM Monday through Friday, unless otherwise approved by the Engineer.
2. Weekend work from 8:30 am to 5:30 pm may be approved by the Engineer.
3. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates. If weekend work is approved, the cost of inspection shall be borne by the City.
4. Contractor must maintain both directions of travel on Carlson Drive throughout construction of the project. If necessary, flaggers may be used at intersections to allow for closures in that immediate location.
5. If any road closures are planned, a detour plan must be submitted and approved before closing the road.

6. The Contractor shall furnish, install temporary stripes and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the projects during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.
7. The Contractor shall maintain existing electrical facilities and traffic and public safety in accordance with Section 34 of the Standard Specifications and these Special Provisions.
8. Residential driveways may only be closed after giving property owners 24 hour notice in advance of the closure. Driveways may only be closed during normal work periods and while the contractor is actively pursuing work which requires the driveway to be closed, except when forms are in place, or while concrete is being cured.
9. Driveway access to commercial properties shall remain open at all times. The Contractor must leave access to at least one driveway to shall schedule the commercial driveways to be poured in two phases unless more than one driveway is available to the property. The Contractor shall coordinate the driveway closure with property owners' 5 calendar days in advance.
10. All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway during non-working hours.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in traffic handling, public safety and convenience shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.19 USE OF SLIP-FORM MACHINES FOR CONCRETE CONSTRUCTION

The Contractor may use concrete slip form machines to construct concrete curbs, gutters and sidewalks. The Contractor must maintain proposed lines and grades as shown on the plans. For curbs constructed on existing pavements, the contractor must construct the curb to eliminate any uneven lines and top of curb grade elevations. If in the sole discretion of the Engineer, these lines and grades are not maintained, the Contractor shall remove and replace the concrete at his/her costs.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

1.20 PUBLIC NOTIFICATION

The Contractor shall notify residents and businesses within the project limits in writing five (5) working days in advance of beginning work. The notice shall be approved by the Engineer and shall describe the work to be performed, the anticipated duration of construction and the name and telephone number of the Contractor's representative that can be reached 24 hours a day, 7 days a week.

The Contractor shall be responsible for issuing a second notice to property owners five (5) working days in advance of commencing any work on private property. The Contractor shall include in the public notification flyers/postcards detailed procedures explaining precautions the homeowner can take to help prevent plugged utility service fixture problems. The Contractor shall submit to the Engineer for review and approval public notification flyers/postcards before they are issued to the public.

Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.21 REMOVAL OF ON-STREET PARKING

In Metered Parking Areas:

Seventy-two (72) hours prior to construction, the Contractor shall place signs adjacent to every third parking stall stating, "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block". Contractor shall also contact the City Parking Division prior to placing barricades.

Signs shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

The Contractor shall request the City Parking Division to cover each parking meter, prior to construction, with a "NO PARKING" sign and the signs previously placed adjacent to every third stall shall be mounted on a barricade and moved into the parking stall at the Contractors expense.

If the Contractor needs less than the entire block, every stall removed shall be barricaded in conjunction with the covering of parking meters.

Where parking removal is necessary, at metered parking stalls, the Contractor shall coordinate with the City Parking Division three (3) days in advance and shall be responsible for the payment of parking removal fees (City Code Section 25.122-1). It is recommended that the Contractor consult with the City Parking Division (phone 916-808-5874) prior to submission of his bid to obtain an estimate of the fees for this project. Note: Typical fees are \$29 to bag the first meter and \$5 each additional meter. Daily meter fees are typically \$2.25 each day Monday through Saturday.

In Non-Metered Parking Areas:

Seventy-two (72) hours prior to construction (except Monday work, barricades shall be placed on the prior Thursday), the Contractor shall place signed Type II barricades stating "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block", at 50 to 60 foot intervals in the work area. The Contractor shall notify the City Parking Division (916-808-5874) prior to placing barricades. No fee is required in Non-metered zones. "NO PARKING" signs shall be approved by the Engineer prior to their use. "NO PARKING" signs and barricades shall be supplied by the Contractor. The Contractor shall notify the Engineer immediately after the "NO PARKING" signs are in place.

Barricades shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

Failure to comply with this section will prevent the City from towing vehicles parked within the proposed work area until the provisions of this section have been met and will require rescheduling of planned work. Additionally, "NO PARKING" signs and barricades shall not be removed prior to removal/towing of vehicles in violation of posted "NO PARKING" signs.

Payment shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and payment of all fees required to perform all work, as specified in these Special Provisions and as directed by the Engineer and shall be considered as included in the prices paid for the various contract items of work. No additional compensation will be allowed therefore.

1.22 EQUIPMENT LIST AND DRAWINGS SUBMITTALS

Equipment list and drawings shall be in accordance with Section 34-3 of the Standard Specifications and these Special Provisions.

Unless otherwise permitted in writing by the Engineer, the Contractor shall, within twenty (20) days following notification of award of the contract submit to the Engineer for approval a listing of equipment and material which he/she proposes to furnish and install. The list shall be complete as to name of manufacturer, size and catalog number of unit, and shall be supplemented by other data, including detailed scale drawings and wiring drawings. A minimum of five (5) copies of the above data shall be submitted to the Engineer for review and approval.

The Contractor shall submit to the Engineer a statement from each vendor supplying electrical equipment, including but not limited to, signal heads, standards, electroliers, luminaries, service pedestal and all other electrical equipment indicating that the orders for the materials required for this contract have been received and accepted by said vendor. The confirmed date of delivery to the contractor shall be indicated on the statement.

All substitutions are subject to the approval of the Engineer.

1.23 PROOF OF COMPLIANCE WITH CONTRACT

In order that the Engineer may determine whether the Contractor has complied with the requirements of the contract documents not readily determinable through inspection and tests of plant, equipment, work, or materials, the Contractor shall at any time when requested, at the

Contractor's expense, submit to the Engineer properly authenticated documents or other satisfactory proofs as to his compliance with such requirements.

1.24 RECORD DRAWINGS

Contractor shall maintain a neatly and accurately marked set of record drawings showing the final locations and layout of all facilities as-built. Drawings shall be kept current weekly, with all work instructions and Change Orders, accommodations, and construction adjustments. Drawings shall be subject to the inspection by the Engineer at all times, and progress payments, or portions thereof, may be withheld if drawings are not accurate and current. Prior to City's acceptance of the Work, Contractor shall deliver to the Engineer one (1) set of neatly marked record drawings, accurately showing all the information required above. If the Engineer does not approve the record drawings, Contractor shall revise and resubmit the record drawings as necessary to obtain the Engineer's approval. If Contractor fails to comply with the requirements of this section, the City may deduct and retain the cost of preparing the record drawings from the Contract.

1.25 BACKFILLING OF VOIDS

All voids resulting from the removal of trees, pipes, maintenance holes, ditch boxes, or other buried structures or objects shown on the Plans or called in these Special Provisions to be removed, shall be backfilled per the provisions of Section 26 (Trench Backfill) of the Standard Specifications. In the event job excavated native material is unsuitable for backfill as determined by the Engineer, the Contractor shall furnish the required suitable backfill material.

The cost to backfill voids as specified in the Special Provisions shall be included in the price bid for the respective items to remove trees, pipe, maintenance holes, ditch boxes, or other buried structures or objects, and no additional compensation shall be allowed.

1.26 PAVEMENT CUTTING AND RESTORATION

Pavement cutting and restoration shall conform to the provisions of Section 13-4 of the Standard Specifications and these Special Provisions.

No pavement cutting shall precede pavement excavation by more than seven (7) calendar days unless approved by the Engineer. Prior to excavation in paved areas, pavement will be broken within the limits of expected excavation so as to prevent lifting of the pavement during excavation. Prior to restoration, the pavement shall be sawed or scored with an abrasive type pavement cutter (maximum blade width 1/4"). The proper tools and equipment shall be used so that the pavement will be cut to a neat and straight line six inches (6") beyond the limits of actual excavation.

Where pavement cutting takes place more than five (5) calendar days before trench excavation, the Contractor shall fill the pavement cuts with asphaltic patching mix and maintain a smooth riding surface until trenching begins.

Where the limits of excavation are located within twelve (12") of the edge of existing pavement or lip of the curb and/or gutter, the existing pavement within this twelve inches (12") shall also be removed.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for all work involved in this item shall be considered as included in the unit price bid for roadway excavation and removing and replacing asphaltic concrete pavement.

1.27 PROTECTION OF TREES

During construction the Contractor shall protect existing trees. All work near the trees shall be coordinated by the Contractor with the City Arborist, at urbanforestry@cityofsacramento.org. The Contractor shall comply with direction as given by the City Arborist and the following City requirements regarding tree protection:

No storage of materials or parking of vehicles may occur within the drip lines of the trees, except on paved streets.

If, during construction, tree roots two inches (2") in diameter or greater are encountered, work shall stop immediately and the City Arborist shall be contacted for a root inspection, and roots shall not be cut without arborist approval. Roots approved by the arborist to be pruned during the course of project construction shall be cleanly cut. If extensive root pruning is proposed an arborist inspection will determine if tree removal is necessary.

If construction activities will affect any of the limbs of the trees, a certified arborist (certified by International Society of Arboriculture, Western Chapter) shall be consulted prior to the cutting or removal of any limb. Limbs approved by the arborist to be pruned during the course of project construction shall be cleanly cut.

The Contractor shall be responsible for damages to trees. Trees damaged by the Contractor during construction activities shall be assessed by the City Arborist using the International Society of Arborists (ISA) appraisal guide or UFS standard diameter and area indexing. The Contractor's responsibility for damaged trees will be determined by the Arborist.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.28 TREE TRIMMING

Contractor shall identify all tree trimming needed to provide clearance for construction vehicles. These trees shall be trimmed in accordance with the following specifications and as directed by the Engineer or project Arborist in conjunction with the City Arborist:

General Conditions - This work is to be performed by a Tree Service Contractor, licensed and bonded to do business in the City of Sacramento. The work to be done will consist not only of this

trimming and removal of branches and limbs but also disposal of material trimmed from these trees. Disposal of material will not be allowed at the City Dump.

Contractor shall be aware of and shall comply with all ordinances governing and related to tree trimming work. Contractor shall furnish all labor, materials and equipment as required in performing the work described herein in strict accordance with these specifications and subject to the terms and conditions of this contract.

Description of Work - The work shall be done primarily from truck mounted aerial platforms except where trees are inaccessible to trucks. All hand and power tools in the performance of this work shall be subject to inspection and approval of the Manager of the Urban Forest Services division or his designated representative who shall serve as the inspector for the City.

In general, the standard tree trimming equipment shall be used and shall be maintained in a satisfactory condition at all times. All tools shall be clean, sharp, in proper working order and shall be checked for safety before each job.

Inspection/Permit - The Contractor shall notify the Engineer prior to 8:00 a.m. on each day Contractor will be trimming trees.

The Contractor shall notify, 3 working days prior to tree trimming, the City Arborist, at urbanforestry@cityofsacramento.org and obtain, for this project, a permit for tree trimming within the City.

Special Conditions - All licenses, insurance, etc., necessary to assume the legal responsibility for said work shall be acquired by the Contractor to cover the liabilities which might be caused by said work.

All workmen shall comply with State Compensation Safety Rules and must wear safety equipment at all times while on the job. Adequate warning devices, barricades, guards, cones, etc., shall be placed and necessary precautions shall be taken by the Contractor to provide protection for the workers, pedestrians and vehicular traffic in the area. Work shall be scheduled and conducted in a cooperative manner in order to give the least possible interference with or annoyance to others. It shall be the responsibility of the Contractor to work out any cooperative work schedules as necessary.

All tree work requiring climbing of trees shall be suspended during inclement weather. No trimmings or debris shall be left overnight on any of the work sites. Upon completion of a specific area, the site shall be left in a clean and orderly condition. It shall be the responsibility of the Contractor to repair any damages to adjacent property including shrubs, trees or other growth as well as structures along the route.

To prevent the spread of Dutch elm disease, tree trimming tools shall be sprayed with Lysol before any tree trimming and after each tree has been trimmed.

Personnel - All work shall be done by qualified and trained persons. They shall be familiar with tree climbing and trimming work in general and trained to work in trees of any size. A qualified foreman shall be provided to oversee and direct the work of each crew.

Correct Cuts - All work shall be done in a professional and workmanlike manner. All cuts shall be made in accordance with the following sections in these Special Provisions, and as directed by the Engineer. Trees shall be trimmed at locations where there are tree conflicts and as directed by the Engineer or project Arborist in conjunction with the City Arborist.

Tree trimming shall include the removal of any limbs or brush from limbs in order to achieve a clear space of at least six foot (6') radial distance from each luminaire. The results of the tree trimming shall produce an unobstructed cone of light that will illuminate a semicircle on the street at street level. The semicircle shall have a radius of forty feet (40') minimum on the street from the electrolier base. The unobstructed cone of light shall also illuminate an area at sidewalk level on the house side of the electrolier. This illuminated area shall extend fifteen feet (15') minimum from the base of the electrolier.

Twigs, small limbs and sucker growth shall be removed with hand pruners, pole pruners or a fine toothed saw. All portions of a tree removed in the pruning operations, whether small or large in diameter, shall be made just outside the branch bark ridge, parallel to and immediately adjacent to the tree limb from which the part is removed.

Any dead wood and broken limbs encountered in the pruning operations shall be removed. Dead wood shall be defined as any portion of the tree having no living foliage, no live buds or no apparent life in the cambium layer. Final cuts on dead limbs shall not cut into the branch bark ridge or branch collar of the parent limb. Dead limbs larger than three-fourths of one inch (3/4") in diameter shall be removed by sawing. Broken limbs shall be removed except where branches have split and one portion of the branch can be saved by pruning to reduce lateral end weight.

Shrubs shall be pruned as directed by the Engineer and shall conform to current ISA specifications.

The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.29 STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED

If artifacts or stone, bone, or shell are uncovered during construction activities, the Contractor shall stop work within 100 feet of the find and notify the City, who will consult with a qualified archaeologist for an on-the-spot evaluation. Additional mitigation of the archaeological site will be the responsibility of the City. If bone is found and it appears to be human, the City will notify the Sacramento County coroner and the Native American Heritage Commission (916-322-7791).

1.30 HEALTH AND SAFETY

The Contractor is warned that existing sewers and appurtenances have been exposed to sewage and industrial wastes. These facilities shall therefore be considered contaminated with disease-causing organisms. Personnel in contact with contaminated facilities, debris, wastewater, or similar items shall be advised by the Contractor of the necessary precautions that must be taken to

avoid becoming diseased. It is the Contractor's responsibility to urge his personnel to observe a strict regime of proper hygienic precautions, including any inoculations recommended by the local public health officer.

Because of the danger of solvents, gasoline, and other hazardous material in the existing sewers, these areas shall be considered hazardous to open flame, sparks, or unventilated occupancy. The Contractor shall be aware of these dangers and shall take the necessary measures to assure his personnel observe proper safety precautions when working in these areas.

The Contractor shall not allow any wastewater to discharge from sewage collection systems onto adjacent lands or waters. In case of accidental discharge, the Contractor shall be responsible for containment, immediate cleanup and disposal at his own expense to the full satisfaction of the Engineer. Where containment is not possible, adequate disinfection shall be provided by the Contractor at his expense as directed by the Engineer or agency with jurisdiction. If, in the opinion of the Engineer, the Contractor fails to adequately follow the above guidelines, he will make arrangements to have the work done by others, and have the cost charged to the Contractor.

1.31 PERMITS AND STAGING AREA

If the Contractor decides he/she needs additional working easement areas, work sites or material sites to facilitate his operation, it shall be his sole responsibility to locate, negotiate, obtain and pay for such additional working easements, work sites and material sites.

The Contractor shall submit to the Engineer written authorization from the property owner of private property being used for the storage of equipment or materials. A copy of any written agreements entered into between the Contractor and the property owner concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the property.

Prior to work within the **City-owned property**, a right of entry must be obtained through the City of Sacramento Real Estate division. Submit a written application for right of entry a minimum of **2 weeks** prior to required entry.

An application for the right of entry must detail **the full legal name of the company, the company's main point-of-contact, the name of the person(s) responsible for signing the right of entry including his or her title, dates and durations of requested entry, activities requiring entry, proposed work hours, a description of any materials and equipment to be stockpiled and areas where stockpiles will be kept depicted on a detailed aerial exhibit, fueling or maintenance operations planned, and any other potentially hazardous materials that may be located on site, as well as any other pertinent information related to the project that should be disclosed.**

All areas lying outside of the street right-of-way which are affected by the work shall be restored to the same, or better condition existing prior to the commencement of the work, to the satisfaction of the Engineer.

The cost of necessary permits, all restoration, including but not limited to landscaping improvements, shall be included in the various items of work the Contractor deems appropriate, and no separate or additional compensation shall be made.

1.32 EROSION AND SEDIMENT CONTROL

Erosion and Sediment Control shall be in accordance with Section 16 of the City Standard Specifications.

2. ITEMS OF THE PROPOSAL

ITEM NO. 1 - PRECONSTRUCTION PHOTOGRAPHS

Preconstruction photographs shall conform to Section 11 of the Standard Specifications.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in taking preconstruction photographs as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 2 - ASPHALT CONCRETE

Asphalt concrete shall be Type A, 1/2" maximum aggregate and shall be placed as shown on the Plans, as specified in these Special Provisions and in conformance with the requirements of Sections 10 and 22 of the Standard Specifications.

Payment shall be at the unit price bid per ton based on the weight tickets and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing asphalt concrete pavement as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 3 - RUBBERIZED CHIP SEAL

Asphalt Rubber Chip Seal shall conform to the requirements of Section 37, "Seals Coats" of the State Standard Specifications, except where specified otherwise in these specifications.

Rubberized chip seal shall consist of an application of rubberized asphalt binder and hot screenings pre-coated with paving asphalt. Rubberized chip seal shall conform to the provisions specified for seal coat in Section 37-2, "Chip Seals," of the State Standard Specifications and these Special Provisions.

Prior to issuance of contract, Contractor must sign and submit to the City of Sacramento the Reliable Contractor Declaration form. See appendix B for declaration form.

Order of Work

The work shall be done in the following order:

1. Prepare the pavement surface as specified below.
2. Apply the Modified Binder as specified below.
3. Spread aggregate using mechanical spreader as specified below.
4. Initially and final roll per these specifications.
5. Sweep all excess aggregate immediately after rolling.
6. Install temporary pavement markings.
7. Maintain chip seal and provide additional sweeping to clean all loose aggregate.

8. Apply microsurfacing (type II) no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied. **Microsurfacing shall be paid by a separate item.**
9. Install temporary pavement markings.
10. All other such items and specified details shall be furnished, installed, and/or constructed.

Special Construction Requirements:

Only California-generated waste tires, processed in California, shall be used in the crumb rubber portion of the project.

1. Placement of chip seal at curb ramps. Cape Seal shall be placed with no vertical edges over ¼" in height in front of curb ramps. Chip seal shall be held back 2 feet from lip of gutter in front of ramps, with the slurry coverage to taper to lip of gutter.
2. Placement of chip seal at speed humps. Chip seal shall be held back 10 feet from speed hump, with the slurry coverage to taper to speed hump and coverage of speed hump.

Existing blue fire hydrant locators shall be removed prior to placing of the cape seal. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the seal. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots will be paid by a separate item.

Definitions

Crumb rubber modifier: Ground or granulated high natural crumb rubber or scrap tire crumb rubber.

Descending viscosity reading: Subsequent viscosity reading at least five (5) percent lower than the previous viscosity reading.

High natural crumb rubber: Material containing 40 to 48 percent natural rubber.

Scrap tire crumb rubber: Any combination of:

1. Automobile tires
2. Truck tires

Submittals

Prior to starting Work Contractor shall submit the name of its laboratory for quality control testing. The laboratory must be AMRL accredited.

For each delivery of asphalt rubber binder ingredients and asphalt rubber binder to the job site, submit a certificate of compliance and a copy of the specified test results.

Submit MSDS for each asphalt rubber binder ingredient and the asphalt rubber binder.

At least fourteen (14) calendar days before use, submit:

1. Four 1-quart cans of mixed asphalt rubber binder
2. Samples of each asphalt rubber binder ingredient
3. Asphalt rubber binder formulation and data as follows:
 - b) For asphalt binder and asphalt modifier submit:
 - i) Source and grade of asphalt binder
 - ii) Source and type of asphalt modifier
 - iii) Percentage of asphalt modifier by weight of asphalt binder
 - iv) Percentage of combined asphalt binder and asphalt modifier by weight of asphalt rubber binder
 - v) Test results for the specified quality characteristics
 - c) For crumb rubber modifier submit:
 - i) Each source and type of scrap tire crumb rubber and high natural rubber
 - ii) Percentage of scrap tire crumb rubber and high natural rubber by total weight of asphalt rubber binder
 - iii) Test results for the specified quality characteristics
 - d) For asphalt rubber binder submit:
 - i) Test results for the specified quality characteristics
 - ii) Minimum reaction time and temperature

At least fourteen (14) calendar days before use, submit the permit issued by the local air quality agency for asphalt rubber binder:

1. Field blending equipment
2. Application equipment

If an air quality permit is not required by the local air quality agency for producing asphalt rubber binder or spreading asphalt rubber binder, submit verification from the local air quality agency to the Engineer that an air quality permit is not required for this Contract.

Submit a certified volume or weight slip for each delivery of asphalt rubber binder ingredients and asphalt rubber binder.

Submit a certificate of compliance and accuracy verification of test results for viscometers.

When determined by the Engineer, submit notification fifteen (15) minutes before each viscosity test or submit a schedule of testing times.

Submit the log of asphalt rubber binder viscosity test results each day of asphalt rubber binder application.

Quality Control And Assurance

Test and submit results at least once per project:

1. For crumb rubber modifier except for grading, at least once per 250 tons. Samples of scrap tire crumb rubber and high natural crumb rubber must be sampled and tested separately. Test each delivery of crumb rubber modifier for grading.
2. For asphalt binder, test and submit at least once per 200 tons of asphalt binder production.
3. For asphalt modifier, test and submit at least once per 25 tons of asphalt modifier production.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber production site in separate bags.

Take viscosity readings of asphalt rubber binder under ASTM D7741 during asphalt rubber binder production. Start taking viscosity readings of samples taken from the reaction vessel at least forty-five (45) minutes after adding crumb rubber modifier and continue taking viscosity readings every thirty (30) minutes until two (2) consecutive descending viscosity readings have been obtained and the final viscosity meets the specification requirement. After meeting the two (2) descending viscosity readings requirement, continue to take viscosity readings hourly and within fifteen (15) minutes before use. Log the test results, including time of testing and temperature of the asphalt rubber binder.

Materials

Asphalt Rubber Binder

Asphalt rubber binder must be a combination of:

1. Asphalt binder
2. Asphalt modifier
3. Crumb rubber modifier

The blending equipment must allow the determination of weight percentages of each asphalt rubber binder ingredient.

Asphalt rubber binder must be 79 ± 1 percent by weight asphalt binder and 21 ± 1 percent by weight of crumb rubber modifier. The minimum percentage of crumb rubber modifier must be 20.0 percent and lower values may not be rounded up.

Crumb rubber modifier must be 76 ± 2 percent by weight scrap tire crumb rubber and 24 ± 2 percent by weight high natural rubber.

The blend of asphalt binder and asphalt modifier must be combined with crumb rubber modifier at the asphalt rubber binder production site. The asphalt binder and asphalt modifier blend must be from 375 to 440°F when crumb rubber modifier is added. Combined ingredients must be

allowed to react at least forty-five (45) minutes at temperatures from 375 to 425°F except the temperature must be at least 10°F below the flash point of the asphalt rubber binder.

After reacting, the asphalt rubber binder must have the values for the quality characteristics shown in the following table:

Blended Asphalt Rubber Binder			
Quality characteristic	Test method	Value	
		Min	Max
Cone penetration @ 77 °F, 1/10 mm	ASTM D 217	25	70
Resilience @ 77 °F, percent rebound	ASTM D 5329	18	40
Field softening point, °F	ASTM D 36	125	165
Viscosity @375 °F, Pa • s (x10 ⁻³)	See section 37- 2.01D(3)	1500	2500

Maintain asphalt rubber binder at a temperature from 375 to 415°F.

Stop heating unused asphalt rubber binder four (4) hours after the 45-minute reaction period. Reheating asphalt rubber binder that cools below 375°F is a reheat cycle. Do not exceed two (2) reheat cycles. If reheating, asphalt rubber binder must be from 375 to 415°F before use.

During reheating, you may add scrap tire crumb rubber. Scrap tire crumb rubber must not exceed ten percent (10%) by weight of the asphalt rubber binder. Allow added scrap tire crumb rubber to react for at least forty-five (45) minutes. Reheated asphalt rubber binder must comply with the specifications for asphalt rubber binder.

Asphalt Binder

Asphalt binder for asphalt rubber binder seal coat must be **PG 64-16** and conform to Section 92 of the State Standard Specifications.

Asphalt Modifier

Asphalt modifier must be a resinous, high flash point, and aromatic hydrocarbon. Asphalt modifier must have the values for the quality characteristics shown in the following table:

Asphalt Modifier for Asphalt Rubber Binder		
Quality characteristic	Test method	Value
Viscosity, m ² /s (x 10 ⁻⁶) at 100 °C	ASTM D 445	X ± 3 ^a
Flash point, CL.O.C., °C	ASTM D 92	230 min
Molecular analysis		

Asphaltenes, percent by mass	ASTM D 2007	0.1 max
Aromatics, percent by mass	ASTM D 2007	55 min

^a "X" denotes the proposed asphalt modifier viscosity from 19 to 36. A change in "X" requires a new asphalt rubber binder submittal.

Asphalt modifier and asphalt binder must be blended at the production site. Asphalt modifier must be from 2.5 to 6.0 percent by weight of the asphalt binder in the asphalt rubber binder. The asphalt rubber binder supplier determines the exact percentage.

If blended, the asphalt binder must be from 375 to 440°F when asphalt modifier is added and the mixture must circulate for at least twenty (20) minutes. Asphalt binder, asphalt modifier, and crumb rubber modifier may be proportioned and combined simultaneously.

Crumb Rubber Modifier

Crumb rubber modifier must be ground or granulated at ambient temperature.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber binder production site in separate bags.

Steel and fiber must be separated. If steel and fiber are cryogenically separated, it must occur before grinding and granulating. Cryogenically-produced crumb rubber modifier particles must be large enough to be ground or granulated.

Wire must not be more than 0.01 percent by weight of crumb rubber modifier. Crumb rubber modifier must be free of contaminants except fabric, which must not exceed 0.05 percent by weight of crumb rubber modifier. Method for determining the percent weight of wire and fabric is available under California Test 385 at the following METS Web site:

<https://dot.ca.gov/programs/engineering-services/california-test-methods-version-selection#385>

The length of an individual crumb rubber modifier particle must not exceed 3/16 inch.

Crumb rubber modifier must be dry, free-flowing particles that do not stick together. A maximum of three percent (3%) calcium carbonate or talc by weight of crumb rubber modifier may be added. Crumb rubber modifier must not cause foaming when combined with the asphalt binder and asphalt modifier.

Specific gravity of crumb rubber modifier must be from 1.1 to 1.2 determined under California Test 208.

When tested under ASTM D 297, crumb rubber modifier must comply with the requirements shown in the following table:

Crumb Rubber Modifier

Quality characteristic	Scrap tire crumb rubber (percent)		High natural rubber (percent)	
	Min	Max	Min	Max
Acetone extract	6.0	16.0	4.0	16.0
Rubber hydrocarbon	42.0	65.0	50.0	--
Natural rubber content	22.0	39.0	40.0	48.0
Carbon black content	28.0	38.0	--	--
Ash content	--	8.0	--	--

Scrap tire crumb rubber must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 8	100
No. 10	98–100
No. 16	45–75
No. 30	2–20
No. 50	0–6
No. 100	0–2
No. 200	0

High natural rubber gradation must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 10	100
No. 16	95–100
No. 30	35–85
No. 50	10–30
No. 100	0–4
No. 200	0–1

Test the crumb rubber modifier gradation under ASTM C 136 except:

1. Split or quarter 100 ± 5 g from the crumb rubber modifier sample and dry to a constant mass at a temperature from 57 to 63 degrees C and record the dry sample mass. Place the crumb rubber modifier sample and 5 grams (g) of talc in a 1/2-liter jar. Seal the jar, then shake the jar by hand for at least one (1) minute to mix the crumb rubber modifier and the talc. Continue shaking or open the jar and stir until the particle agglomerates and clumps are broken and the talc is uniformly mixed.

2. Place one (1) rubber ball on each sieve. Each ball must weigh 8.5 ± 0.5 g, measure 24.5 ± 0.5 mm in diameter, and have a Shore Durometer "A" hardness of 50 ± 5 determined under ASTM D 2240. After sieving the combined material for 10 ± 1 minutes, disassemble the sieves. Brush material adhering to the bottom of a sieve into the next finer sieve. Weigh and record the mass of the material retained on the 2.36-milimeter sieve and leave this material (do not discard) on the scale or balance. Fabric balls must remain on the scale or balance and be placed together on the side to prevent them from being covered or disturbed when the material from finer sieves is placed onto the scale or balance. The material retained on the 2.00-milimeter sieve must be added to the scale or balance. Weigh and record that mass as the accumulative mass retained on the 2.00-milimeter sieve. Continue weighing and recording the accumulated masses retained on the remaining sieves until the accumulated mass retained in the pan has been determined. Before discarding the crumb rubber modifier sample, separately weigh and record the total mass of fabric balls in the sample.
3. Determine the mass of material passing the 75-micrometer sieve by subtracting the accumulated mass retained on the 75-micrometer sieve from the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass of 5 g or less, cross out the recorded number for the accumulated mass retained in the pan and copy the number recorded for the accumulated mass retained on the 75-micrometer sieve and record that number, next to the crossed out number, as the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass greater than 5 g, cross out the recorded number for the accumulated mass retained in the pan, subtract 5 g from that number and record the difference next to the crossed out number. The adjustment to the accumulated mass retained in the pan accounts for the 5 g of talc added to the sample. For calculation purposes, the adjusted total sample mass is the same as the adjusted accumulated mass retained in the pan. Determine the percent passing based on the adjusted total sample mass and record to the nearest 0.1 percent (0.1%).

Screenings

Before precoating with asphalt binder when tested under California Test 202 the screenings must have the gradation and properties shown below.

<u>GRADATION</u>	
<u>Sieve Sizes</u>	<u>Percent Passing</u>
3/4"	100
1/2"	99-100
3/8"	70-85
#4	0-10
#16	0-5
#200	0-1 *

*Wet sieve requirement

TESTING REQUIREMENTS

<u>Test</u>	<u>CA Test Method</u>	<u>Requirements</u>
Loss in Los Angeles Rattler (after 100 revolutions)	211	10% max
Loss in Los Angeles Rattler (after 500 revolutions)	211	40% max
Film Stripping	302	25% max
Cleanness Value	227	80 min
Durability	229	52 min

EQUIPMENT AND CONSTRUCTION

General

Equipment for must include and comply with the following:

1. Screenings haul trucks. Haul trucks must have:
 - a) Tailgates that discharge screenings
 - b) Devices to lock onto the rear screenings spreader hitch
 - c) Dump beds that will not push down on the spreader when fully raised
 - d) Dump beds that will not spill screenings on the roadway when transferred to the spreader hopper
 - e) Tarpaulins to cover precoated screenings when haul distance exceeds 30 minutes or ambient temperature is less than 65 degrees F.
2. Self-propelled screenings spreader. The spreader must have:
 - a) Screenings hopper in the rear
 - b) Belt conveyors that carry the screenings to the front
 - c) Spreading hopper capable of providing a uniform screening spread rate over the entire width of the traffic lane in 1 application.
3. Self-propelled power brooms. Do not use gutter brooms or steel-tined brooms. Brooms must be capable of removing loose screenings adjacent to barriers that prevent screenings from being swept off the roadway, including curbs, gutters, dikes, berms, and railings.
4. Pneumatic-tired rollers. Pneumatic-tired rollers must be an oscillating type at least 4 feet wide. Each roller must be self-propelled and reversible. Pneumatic tires must be of equal size, diameter, type, and ply. The roller must carry at least 3,000 lbs. of load on each wheel and each tire must have an air pressure of 100 ± 5 psi.

Asphalt Rubber Equipment

Equipment for asphalt rubber application must include and comply with the following:

1. Tank to heat and maintain the temperature of blended asphalt binder and asphalt modifier before adding crumb rubber modifier. The tank must have a thermostatic heat control device and a temperature reading device accurate to within 5 degrees F. The heat control device must be the recording type.

2. Mechanical mixer for complete, homogeneous blending of asphalt binder, asphalt modifier, and crumb rubber modifier. Asphalt binder and asphalt modifier must be introduced into the mixer through meters. The blending system must vary the rate of delivery for asphalt binder and asphalt modifier proportionate to crumb rubber modifier delivery. The mixer must not allow the temperature of asphalt binder and asphalt modifier to vary more than 25 degrees F. Each ingredient feed must be equipped with a rate-of-feed indicator for determining the amount delivered during production. The meters used to proportion each liquid ingredient must be equipped with rate-of-flow indicators with resettable totalizers so that the total amount can be determined. Feed liquid and dry ingredients directly into the mixer at a uniform and controlled rate. Reduce the quantity of ingredients in the mixer if dead areas occur. The mixer must have a safe sampling device that delivers completed asphalt rubber binder in the quantity needed for testing.
3. Storage tank for asphalt rubber binder. The storage tank must have a heating system to maintain the temperature and an internal mixing device to prevent separation.
4. Self-propelled distributor truck. The truck must have the following features:
 - i) Heating unit
 - ii) Internal mixing unit
 - iii) Pumps that spray asphalt rubber binder within 0.05 gal/sq yd of the specified rate
 - iv) Fully circulating spray bar that applies asphalt rubber binder uniformly
 - v) Tachometer
 - vi) Pressure gages
 - vii) Volume measuring devices
 - viii) Thermometer
 - ix) Observation platform on the rear of the truck for an observer on the platform to see the nozzles and unplug them if needed.
5. Under supports for scale bearing points for scale structures where the total load, the live load plus dead load is less than 17 tons, must be constructed as follows:
 - i) Use 4 legs. Total load on any leg may not exceed 14.5 psi.
 - ii) Use structural grade steel with a minimum cross sectional dimension of 20 inches and a minimum thickness of 1.5 inches.
 - iii) Construct under supports in a way that they do not move or deflect during production operations.
 - iv) Install mechanical indicating elements level, plumb, and rigidly mounted on the under supports.
 - v) Prevent saturation of the ground under the scale with adequate drainage and provide support of 14.5 psi at each support.
 - vi) Scale structure may be installed using concrete under supports and comply with Section 9.

Surface Preparation

Pavement must be completely dry prior to the application of asphalt rubber chip seal.

Special care shall be taken to clean the pavement before the chip seal application. Immediately prior to the application of the chip seal the surface to receive the chip seal shall be cleaned by power brooming, flushing or other means necessary to remove all vegetation, loose particles of paving, all dirt, and all other extraneous material. Vegetation shall be removed from cracks in pavement and at the interface of pavement and gutter prior to sweeping. The Contractor shall blow the cracks clean of loose materials, away from pavement or previously cleaned cracks, with a high pressure air nozzle (90 psi or greater and free of oil). Pavements impregnated with grease, oil, or fuel shall be thoroughly scrubbed with water and an approved detergent and then flushed and swept clean. Wash water shall be vacuumed up and disposed of and shall not be permitted to enter the storm drain system. Contractor shall be responsible for sweeping the streets until sufficiently cleaned to the satisfaction of the Engineer. Streets shall be swept from face of curb to face of curb. Pavement missed by or inaccessible to power brooms shall be swept manually or by other methods approved by the Engineer.

All existing temporary and permanent pavement markers and temporary delineation shall be removed in accordance with Section SP-16, "Existing Highway Facilities" of these Special Provisions.

Immediately before commencing the seal operations, all surface metal utility covers (including survey monuments) shall be protected by thoroughly covering the surface with an appropriate adhesive and paper or plastic. No adhesive material shall be permitted to cover, seal or fill the joint between the frame and cover of the structure. Covers are to be uncovered and cleaned of chip seal material by the end of the same work day.

Precoat Screenings

Screenings must be preheated from 260 to 325°F. Coat with any of the asphalts specified in the table titled "Performance Graded Asphalt Binder" in Section 92 of Caltrans 2010 Standard Specifications.

Coat screenings at a central mixing plant. The asphalt must be from 0.5 to 1.0 percent by weight of dry screenings. The Engineer shall determine the exact rate.

The plant must be authorized under California Test Method 109 and the Department's material plant quality program.

Do not stockpile preheated or pre-coated screenings.

Application of Asphalt Rubber Binder

Apply asphalt rubber binder immediately after the reaction period. At the time of application, the temperature of asphalt rubber binder must be from 385 to 415°F.

Apply asphalt rubber binder at a rate from 0.55 to 0.65 gal/sq yd. The Engineer determines the exact rate. Avoid application over the specified rate which may result in “bleeding”. If medium severity “bleeding” occurs over an area greater than 10 square feet, Contractor shall remove and replace affected areas at their own cost during the warranty period. Medium severity “bleeding” is defined as that asphalt sticks to shoes and vehicles during more than 3 weeks of the year.

Apply asphalt rubber binder when the atmospheric temperature is from 60 to 105°F and the pavement surface temperature is between 75°F and 140°F.

Do not apply asphalt rubber binder unless there are sufficient screenings available to cover the asphalt rubber binder within two (2) minutes. Intersections, turn lanes, gore points, and irregular areas must be covered within fifteen (15) minutes.

Do not apply asphalt rubber binder when weather or road conditions are unsuitable, including high wind or when the pavement is damp. Unsuitable weather conditions include when temperatures below 40°F are anticipated for the next twenty-four (24) hours after applying the rubberized chip seal, or sustained winds are greater than ten (10) mph. Complete surface treatment application at least two (2) hours before sunset.

If you request to use a variable application rate apparatus and the Engineer authorizes, the rate in the wheel paths may be reduced to 0.50 gal/sq yd.

Spreading Screenings

Prevent vehicles from driving on asphalt rubber binder before spreading screenings.

Broom excess screenings at joints before spreading adjacent screenings.

Operate the spreader at speeds slow enough to prevent screenings from rolling over after dropping.

If the spreader is not moving, screenings must not drop. If you stop spreading and screenings drop, remove the excess screenings before resuming activities.

During transit, cover pre-coated screenings for asphalt rubber seal coat with tarpaulins if the ambient air temperature is below 65°F or the haul time exceeds thirty (30) minutes.

At the time of application, screenings for asphalt rubber seal coat must be from 225 to 325°F.

Spread screenings at a rate from 28 to 40 lb/sq yd. The exact rate is determined by the Engineer. Spread to within ten percent (10%) of the determined rate.

Leave uncovered a strip of sprayed asphalt approximately six (6) inches wide to permit an overlap of asphalt material.

Finishing And Rolling Operations

Chip seal shall be finished and screenings compacted in accordance with Section 37-2.01C(4)(d), “Finishing” of the State of California Department of Transportation Standard Specifications, except that the third, fourth, and fifth paragraph shall not apply. In addition the following shall apply:

- a. A minimum of three (3) pneumatic tired rollers conforming to the requirements specified in Section 37-2.01C(2), “Equipment”, of the Caltrans Standard Specifications shall be used, except that the rollers shall carry a minimum loading of 3,000 pounds on each wheel and air pressure of between 95 and 105 pounds per square (psi) inch in each tire.
- b. Operate rollers at a maximum speed of five (5) mph. Do not permit the aggregate to be displaced by pickup or sticking of material to the tire or drum surfaces. Roll the surface to uniformity and thoroughly bond the aggregate over the full width. Complete rolling within one (1) hour after asphalt is applied to the surface.
- c. In the course of construction where the asphalt-rubber distributor truck creates a joint by stopping at some point along the length of the roadway, the screenings spreader shall stop short of this joint, leaving a small strip of uncovered asphalt rubber. This is to prevent an overlapping double thickness joint from being created once work resumes. All reasonable precautions shall be taken to avoid skips and overlaps at joints. Any defect shall be corrected at the Contractor’s expense by use of a shovel and/ or broom prior to continuing operations.
- d. The seal coat shall be applied in such a manner that the joint between the new and existing surface is neat and uniform in appearance true to the line show on the plans and as established by the Engineer. The cut-off of asphaltic binder shall be made on building paper or similar material spread over the surface.
- e. Initial rolling of the asphalt-rubber chip seal shall consist of a minimum of one (1) complete coverage with three pneumatic-tired rollers working in tandem and shall begin immediately behind the screenings spreader. The distance between the rollers and the screenings spreader shall not exceed 200 feet at any time during the spreading of screenings operations.
- f. A minimum of three (3) additional complete coverages with the three pneumatic-tire rollers shall be made after the initial coverage on the asphalt-rubber chip seal.
- g. In addition to the three pneumatic-tired rollers one (1) 12-14 ton steel wheel roller shall be used on the final pass as the finish roller.
- h. Limit traffic speeds to fifteen (15) mph for twenty-four (24) hours after rolling operations have ceased; use of pilot cars may be necessary for the roadways that are typically driven on at higher rate of speed.

Final Sweeping

- A. Removal of excess aggregate shall be completed before uncontrolled traffic is permitted on the modified asphalt binder seal coat.
- B. An initial brooming shall be performed after completion of the final rolling and prior to routing public traffic on the modified asphalt binder seal coat.

Sweeping shall be a multi step operation following final rolling of the Aggregate. Loose Aggregate shall be removed from the roadway surface and abutting adjacent areas. Loose Aggregate shall be disposed of at least 46 m from the nearest waterway.

The Contractor shall be responsible for any damages to the vehicles, pedestrians and residents due to loose aggregate. The Contractor is responsible for additional sweeping if requested by the Engineer.

Maintaining Traffic - Contractor shall provide temporary C6 "LOOSE GRAVEL" with 15-MPH speed limit signs installed at the entrance and at 150 feet intervals on both sides of the streets.

Pilot cars shall be sufficiently available to continuously convoy and control traffic. Pilot cars used to convoy or otherwise control traffic shall have radio contact with each other and other personnel in the work area. Pilot cars shall use only traffic lanes open to public traffic.

Test Strip

The Contractor shall construct three (3) test strips for evaluation by the Engineer. The test strips shall be 50 feet to 100 feet long and shall consist of the application courses specified. The test strips shall be constructed in the early morning and shall cure and be open to traffic within ten (10) minutes of application. The three (3) test strips will be performed with varied asphalt aggregate spread rates, as specified by the Engineer, to best select the application rates to be used for the operation.

The Engineer will evaluate the completed test strip immediately after traffic is allowed on the completed test strip to determine if the mix design and placement procedure are acceptable. If the materials as placed are determined by the Engineer to be unacceptable, no additional work will be permitted until the Contractor's proposed remediation has been approved by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work.

Each time the topography, roadway conditions, or type of road changes and is planned to be treated with the rubberized chip seal a new set of test strips shall be performed to ensure that the spread rates and rolling patterns are still applicable.

The approved test strip will be used for public relations purposes by the City for local residents to observe.

Microsurfacing

Microsurfacing shall be applied as describes in separate items of these Special Provisions. **Microsurfacing shall be paid by separate items. See Item No. 4: Microsurfacing (Type II) to Place for slurry Seal specifications.**

Microsurfacing coat shall be applied no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in asphalt rubber chip seal, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 4 - MICROSURFACING (TYPE II)

Microsurfacing shall consist of mixing a polymer modified, cationic microsurfacing emulsion (MSE), aggregate, mineral filler, set-control additives, and water and spreading the mixture on a pavement surface where shown on the plans, in conformance with the provisions in these special provisions, and as directed by the Engineer.

Material:

The material for microsurfacing shall conform to the following requirements:

Microsurfacing Emulsion (MSE)

Microsurfacing Emulsion (MSE) shall be homogenous and shall conform to the provisions of these special provisions. The polymer shall be milled or blended into the asphalt or blended into the emulsifier solution prior to the emulsification process.

The MSE shall conform to the following requirements when tested in conformance with the following test methods:

Polymer Modified, Cationic Microsurfacing Emulsion (MSE)		
Specification Designation	Test Method	Requirement
Viscosity, SSF, @ 77 F (25 C)	AASHTO T 59	15-90 Seconds
Sieve, max.	AASHTO T 59	0.30 Percent
Settlement, 5 days, max.	ASTM D244	5 Percent

Storage Stability, 1 day, max.	AASHTO T 59	1 Percent
Residue by Evaporation, min.	California Test 331	64 Percent

Specification Designation for Residue		
Specification Designation	Test Method	Requirement
Penetration@ 77 F (25C), 100g, 5s ,0.1mm	AASHTO T 51	40-60
Softening Point F min.	AASHTO T53	140

Polymer Content

Polymer Content shall be greater than or equal to 3.5%.

Water and Additives

Water shall be of such quality that the asphalt will not separate from the MSE before the microsurfacing is placed on the pavement. If necessary for workability, a set-control agent that will not adversely affect the microsurfacing product may be used.

Mineral Filler

Mineral filler shall be Portland cement or hydrated lime that is free of lumps. Portland cement shall be either Type I, Type II, Type III or combination thereof. The type of mineral filler shall be determined by the Contractor based on laboratory mix designs. The mineral filler will be considered part of the aggregate gradation requirement.

Aggregate

Slurry seal aggregate for all roads shall conform to ISSA Type II aggregate and shall be manufactured crushed stone such as granite, slag, limestone, chat, or other high quality aggregate, or combination thereof. To assure the material is totally crushed, 100% of the parent aggregate shall be larger than the largest stone in the gradation to be used.

When tested in accordance to AASHTO T27 (ASTM C136) and AASHTO T11 (ASTM C117), the aggregate gradation (including the mineral filler) shall be within following bands.

Type II Slurry Seal	
Sieve Sizes	Passing Percentage
9.5 mm (3/8")	100
4.75 mm (#4)	94-100
2.36 mm (#8)	65-90
1.18 mm (#16)	40-70
600 um (#30)	30-50
330 um (#50)	18-30
150 um (#100)	10-21
75 um (#200)	5-15

After the target gradation has been submitted and identified in the mix design, the percent passing each sieve shall not vary by more than the stockpile tolerance and still remain within the gradation band during the application of slurry seal.

The mineral aggregate shall also conform to the following:

Test	Test Method	Requirements
Sand Equivalent	CTM 217	70 min.
Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	CTM 214	15% Maximum w/Na ₂ SO ₄ 25% Maximum w/MgSO ₄
Loss in L.A. Rattler (100 Revolutions)	CTM 211	10% max.
Loss in L.A. Rattler (500 Revolutions)	CTM 211	35% max.
Durability Index	CTM 229	70 min.

Mix Design:

At least 7 working days before the microsurfacing placement commences, the Contractor shall submit for approval of the Engineer a laboratory report of tests and a proposed mix design covering the specific materials proposed for use on the project.

The percentages of each individual material proposed in the mix design shall be shown in the laboratory report. Individual materials shall be within the following limits:

Residual Asphalt	7.5% to 13.5% by dry mass of aggregate
Mineral Filler	0% to 3% by dry mass of aggregate
Additive	As needed
Water	As needed

Adjustments may be required during construction based on field conditions.

The mix design and aggregate tests shall be performed by a laboratory capable of performing the applicable International Slurry Surfacing Association (ISSA) tests. The proposed microsurfacing mixture shall conform to the specified requirements when tested in conformance with the following tests:

Test	ISSA Test Method	Requirements
Wet Cohesion @ 30 Minute (Set) (min.) @ 60 Minute (Traffic) (min.)	TB* 139	12 kg-cm 20 kg-cm
Excess Asphalt	TB* 109	540 g/m ²
Wet Stripping (min.)	TB* 114	90%
Wet Track Abrasion 6-day Soak Loss (max.)	TB* 100	810 g/m ²
Displacement Lateral (max.) Specific Gravity After 1000 Cycles of 125 lbs. (56.8 kg)(max.)	TB* 147A	5%. 2.10

Classification Compatibility	TB* 144	(AAA, BAA) 11 Grade Points
Mix Time @ 77°F (25°C)	TB* 113	Controllable to 120 Seconds
TB* = Technical Bulletin		

The laboratory that performed the tests and designed the mixture shall sign the laboratory report. The report shall show the results of the tests on individual materials and shall compare their values to those required by these special provisions. The report shall clearly show the proportions of aggregate, filler (minimum and maximum), water (minimum and maximum), set control additive, and MSE solids content (minimum and maximum) based on the dry mass of aggregate. The laboratory shall report the quantitative effects of moisture content on the unit mass of the aggregate (bulking effect) in conformance with the requirements of ASTM Designation C 29M. Previous laboratory reports covering the same materials may be accepted provided the material test reports were completed within the previous 12 months. The mix design shall further show the recommended changes in mineral filler, water, and additive proportions for high temperature weather conditions by reporting proportions of materials required for 60 seconds of mix time with materials heated to 100 °F (38°C). This 100 °F (38°C) mixing report will not be required for projects requiring nighttime application.

The component materials used in the mix design shall be representative of the microsurfacing materials proposed by the Contractor for use on the project.

Once the mix design is approved by the Engineer, no substitution of other material will be permitted unless the materials proposed for substitution are first tested and a laboratory report is submitted for the substituted design in conformance with the provisions of these special provisions. Substituted materials shall not be used until the mix design for those materials has been approved by the Engineer.

The completed mixture, after addition of water and set control agent, if used, shall be such that the microsurfacing mixture has proper workability. At the expiration of the road closure hours, in conformance with the provisions in "Maintaining Traffic" of these special provisions, the microsurfacing mixture shall be sufficiently cured to support unrestricted traffic one hour after placement.

Proportioning:

Aggregate, mineral filler, MSE, water, and additives, including the set-control agent, if used, shall be proportioned by volume utilizing the mix design approved by the Engineer. If more than one kind of aggregate is used, the correct amount of each kind of aggregate to produce the required grading shall be proportioned separately, prior to adding the other materials of the mixture, in a manner that will result in a uniform and homogeneous blend.

The aggregate shall be proportioned using a belt feeder operated with an adjustable cutoff gate. The height of the gate opening shall be determinable. The MSE shall be proportioned by a positive displacement pump. Variable rate emulsion pumps, if used, shall be calibrated and sealed in the pump's calibrated condition in conformance with California Test 109 prior to usage.

The delivery rate of aggregate and MSE per revolution of the aggregate feeder shall be calibrated at the appropriate gate settings for each mixer-spreader truck used on the project in conformance with California Test 109 and in conformance with the provisions of these special provisions.

The aggregate belt feeder shall deliver aggregate to the pugmill with such volumetric consistency that the deviation for any individual aggregate delivery rate check-run shall not exceed 2.0 percent of the mathematical average of 3 runs of at least 100 revolutions. The emulsion pump shall deliver MSE to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons revolutions. The water pump shall deliver water to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons (1135 L) each.

The MSE storage tank shall be located immediately before the emulsion pump and shall be equipped with a device which will automatically shut down the power to the emulsion pump and aggregate belt feeder when the MSE level is lowered to a point where the pump suction line is exposed.

A temperature-indicating device shall be installed in the emulsion storage tank at the pump suction level. The device shall indicate the temperature of the MSE and shall be accurate to within 10°F (5°C).

The belt delivering the aggregate to the pugmill shall be equipped with a device to monitor the depth of aggregate being delivered to the pugmill. The device for monitoring the depth of aggregate shall automatically shut down the power to the aggregate belt feeder whenever the depth of aggregate is less than the target depth of flow. A second device shall be located where the device will monitor the movement of the aggregate belt by detecting revolutions of the belt feeder. The devices for monitoring no flow or belt movement shall automatically shut down the power to the aggregate belt when the aggregate belt movement is interrupted. The device to detect revolutions of the belt feeder will not be required where the aggregate delivery belt is an integral part of the drive chain. To avoid erroneous shutdown by normal fluctuation, a delay of 3 seconds will be permitted between sensing and shutdown of the operation.

Mixing and Spreading Equipment:

The microsurfacing shall be mixed in continuous pugmill mixers of adequate size and power for the type of microsurfacing to be placed. All indicators shall be in conformance with the provisions of these special provisions and shall be in working order prior to commencing mixing and spreading operations.

Mixer-spreader trucks shall be equipped to proportion the MSE, water, aggregate, mineral filler, and set-control additives by volume. Rotating and reciprocating equipment on mixer-spreader trucks shall be covered with metal guards.

The mixer-spreader truck shall not be operated unless low-flow and no-flow devices and revolution counters are in good working condition and functioning and metal guards are in place. Indicators required by these special provisions shall be visible while walking alongside the mixer-spreader truck.

Aggregate feeders shall be connected directly to the drive on the emulsion pump. The drive shaft of the aggregate feeder shall be equipped with a revolution counter reading to the nearest one-tenth of a revolution.

In addition to the requirements in Section 5-1.33, "Equipment" of the State Standard Specifications, the identifying number of mixer-spreader trucks shall be at least three inches (75 mm) in height, located on the front and rear of the vehicle.

The microsurfacing mixture shall be spread by means of a spreader box conforming to the following requirements:

Spreader Box

The spreader box shall be capable of placing the microsurfacing a minimum of 12 feet (3.6 m) wide and shall have strips of flexible rubber belting or similar material on each side of the spreader box and in contact with the pavement to prevent the loss of microsurfacing from the box. Spreader boxes over eight feet (2.38 m) in application width shall have baffles, reversible motor driven augers or other suitable means to insure uniform application on superelevated sections and shoulder slopes. Spreader box skids shall be maintained in such manner as to prevent chatter (wash boarding) in the finished mat. The spreader box in use shall be clean and free of microsurfacing and MSE at the start of each work shift.

The spreader box shall have a series of strike-off devices at the rear of the box. The leading strike-off device shall be fabricated of steel, stiff rubber or other suitable material. The number of strike-off devices shall be determined by the Contractor. The first strike-off device shall be designed to maintain close contact with the pavement during the spreading operations, shall obtain the thickness required, and shall be capable of being adjusted to the various pavement cross sections for application of a uniform microsurfacing finished surface. The final strike-off device shall be fabricated of flexible material suitable for the intended use and shall be designed and operated to ensure a uniform texture is achieved in the finished surface of the microsurfacing. The final strike-off device shall be cleaned or changed daily if problems with longitudinal scouring occur.

Flexible fabric drags attached to the rear of the spreader box shall not be used.

Preparation of Surface:

Immediately prior to applying the microsurfacing, the Contractor shall clean the street surface and lip of gutter joints of all loose material, silt spots, vegetation, and any other matter, which may adversely affect the adherence of the slurry to the existing pavement.

The Contractor shall remove thermoplastic stripes/markings, preformed traffic stripes/markings and raised pavement markers prior to slurry seal operation. The cost of removing the thermoplastic and preformed pavement stripes/markings shall be paid for by their associated bid item. The cost of removing all raised pavement markers, including raised blue fire hydrant markers, shall be included in the "Raised Reflective Pavement Markers to Place" bid item.

The Contractor shall be responsible for sweeping all streets with a mechanical power broom prior to sealing. The Engineer may require particularly dirty streets to be flushed with water. The Engineer must approve all flushing operations. The Contractor shall be responsible for cleaning sidewalks and driveways soiled by flushing operations.

The City shall remove and dispose of any garden refuse piles placed in the street.

The Contractor shall be responsible for locating, covering, removing, cleaning and protecting all utility covers, maintenance hole covers, water valve boxes, and any other utility covers. The methods of protection, referencing, locating, and cleaning shall be subject to approval by the Engineer prior to any resurfacing.

All protective coverings shall be removed from maintenance hole covers, water valve boxes, and other utility covers each day before opening the street to traffic.

Existing blue fire hydrant locators shall be removed prior to placing of the microsurfacing. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the microsurfacing. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots shall be paid for under Item No.9 "Pavement Markers to Remove and Place" of these Special Provisions.

Placing:

The microsurfacing mixture shall be uniformly spread on the existing surfacing within the rate specified without spotting, rehandling or otherwise shifting of the mixture.

The microsurfacing mixture shall not be placed when the ambient temperature is below 50 °F (10°C) or during unsuitable weather. Microsurfacing shall not be placed if rain is imminent or if there is the possibility that there will be freezing temperatures within 24 hours.

Microsurfacing shall be spread at a rate within the following ranges of pound of dry aggregate per square yard.

Microsurfacing Type	Location	Spread Rate
Type II	Full Traffic Width	15 - 17
Type III ¹	Full Traffic Width	20 - 32
Type III ²	Full Traffic Width	30 - 32
Notes: 1. For microsurfacing over asphalt concrete pavement.		

2. For microsurfacing over Portland cement concrete pavement and concrete bridge decks.

The emulsion rate per square yard of dry aggregate shall be fourteen (14%) to sixteen (16%) percent of dry aggregate per square yard.

Longitudinal joints shall correspond with the edges of the traffic lanes. The Engineer may permit other patterns of longitudinal joints if the patterns will not adversely affect the quality of the finished product.

Through traffic lanes shall be spread in full lane widths only. Longitudinal joints common to 2 traffic lanes shall be butt joints with overlaps not to exceed 3 inches (76 mm). Building paper shall be placed at the transverse joints to avoid double placement of the microsurfacing. Other suitable methods to avoid double placement of the microsurfacing will be allowed. Hand tools shall be available to remove spillage.

Self-propelled pneumatic-tired rollers shall be used for the required rolling of the microsurfacing. Steel wheel rollers **shall not** be used. The pneumatic-tired rollers shall carry a minimum loading of 3,000 pounds (1,361 kg) on each wheel and a minimum pressure of 90 pounds per square inch in each tire. Foam filled tires will be allowed in lieu of 90 psi.

Rolling of the microsurfacing shall consist of a minimum of nine complete passes on straight roadway sections and fifteen complete passes on cul-de-sac bulbs. Rolling shall be completed before the street is open to traffic after the microsurfacing application. Contractor shall have sufficient number of rollers on site to fulfill this requirement.

The mixture shall be uniform and homogeneous after placing on the surfacing and shall not show separation of the MSE and aggregate after setting. The completed surface shall be of uniform texture and free from ruts, humps, depressions, or irregularities.

Adequate means shall be provided to protect the microsurfacing from damage by traffic until such time that the mixture has cured sufficiently so that the microsurfacing will not adhere to or be picked up by the tires of vehicles.

The Contractor shall be responsible for sweeping the streets and sidewalks to clear all raveling that may occur within the first two day after placing of the slurry seal, at no additional cost to the City..

The Contractor is responsible for an additional sweep approximately one week after placement of slurry seal and a final sweep approximately three to four weeks after placement of slurry seal.

The Contractor is responsible for additional sweeping if requested by the Engineer within 24 hours of the Engineer's request.

Test Strip:

The Contractor shall construct a test strip for evaluation by the Engineer. The test strip shall be 300 feet (100 m) to 500 feet (150 m) long and shall consist of the application courses specified. The test strip shall be constructed at the same time of day or night that the full production of microsurfacing will be placed and may be constructed in 2 days or nights when multiple course applications are specified.

The Engineer will evaluate the completed test strip after 12 hours of traffic on the completed test strip to determine if the mix design and placement procedure are acceptable. If the mix design or the placement procedure is determined by the Engineer to be unacceptable, the test strip will be rejected, the Contractor shall make modifications, and a new test strip shall be constructed and evaluated by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work. If ordered by the Engineer, rejected test strips shall be removed at the Contractors expense.

Repair of Early Distress:

If bleeding, raveling, delamination, rutting, or washboarding occurs after placing the microsurfacing, the Contractor shall diligently pursue repairs by any method approved by the Engineer, which may include micro-milling and replacement of the resurfacing.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in microsurfacing, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 5 - SIDEWALK

Portland cement concrete (PCC) sidewalk shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 of the Standard Specifications.

Sidewalk transitions to driveways shall be included in this bid item.

The sidewalk portion of the curb ramps shall be paid under this item. Curb ramps shall be constructed where shown on the Plans or as directed by the Engineer.

The cost of excavation and its disposal, placing six inches (6") of Aggregate Base Class 2 under the new sidewalk, and placing type 3 curb as needed at the back of walk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions. Type 3 curb shall conform to DWG T-11 of the Standard specifications.

At locations where curb ramps or sidewalks are being retrofitted into existing sidewalk areas, sidewalk shall match existing color by adding one pound of lamp black per cubic yard of concrete.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing 3-1/2" PCC sidewalk as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 6 - CURB AND GUTTER (TYPE 1)

Portland cement concrete curb and gutter type 1 shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 (DWG. T-11) of the Standard Specifications.

The curb and gutter portion of the curb ramps and transitions to existing curb and gutter of a different type shall be paid for with this item of work.

The cost of excavation and its disposal and placing six inches (6") of Aggregate Base Class 2 under the new sidewalk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions.

The new concrete curb and gutter shall match existing improvements. The curb and gutter shall match existing color by adding one pound of lamp black per cubic yard of concrete.

Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in constructing curb and gutter type 1 as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 7 - TRUNCATED DOMES

Cast in place truncated domes shall be installed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 38 (DWG.T-78 and T-79) of the Standard Specifications.

Detectable Warning Tiles shall be Armor Tile, ADA Solutions, Equaltile or approved equal, as manufactured by Engineered Plastics Inc.: Product (#1) #ADA-C3648S-YW, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #ADA-S-3648-YW, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow or ADA Solutions Product (#1) #3648IDPAV1Y, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #3648IDRET1Y, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow. Detectable Warning Tiles shall have a five (5) year written warranty.

Installation of detectable warnings shall be by manufacturer trained and certified individuals. Detectable warning and installation shall have a five (5) year written warranty.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with installing cast in place truncated domes as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 8 - _ ADJUST MAINTENANCE HOLE TO GRADE

Existing maintenance holes shall be adjusted to the grade of the new surface and shall conform to the applicable requirements of Sections 10, 25 and 38 of the Standard Specifications and these Special Provisions.

The cost of adjusting a maintenance hole shall include any necessary lowering, temporarily removing, covering and raising the maintenance hole head to the grade of the new surface under this item.

If lowering is necessary, the Contractor shall verify that all lowered maintenance holes are raised back to grade by back checking against drawings. The Contractor shall perform field review with the Engineer to ensure all maintenance holes shown on the drawings have been raised to grade.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in adjusting maintenance holes to grade as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 9 - INSTALL SIGN POST

This item shall consist of installing new posts for traffic signs where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the posts. The Contractor shall review the proposed post location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the post. The Engineer may make adjustments to the proposed post location in the field.

All posts shall have a minimum resisting Moment of 400 foot-pounds. All posts shall be capped. Post caps may be aluminum or galvanized steel. Bolts and miscellaneous metal hardware shall be galvanized or plated after fabrication in conformance with Section 75 "galvanizing" of the State of California, Department of Transportation Standard Specifications.

Payment shall be made at the unit price bid per each post, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in

installing new posts for traffic signs as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 10 - INSTALL ROADSIDE SIGN

This item shall consist of manufacturing, furnishing and installing traffic signs on existing posts or new posts shall be placed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions. New posts will be paid by a separate item.

A sign material and installation submittal must be reviewed and accepted by the Engineer before fabrication and installation.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the signs. The Contractor shall review the proposed sign location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the sign. The Engineer may make adjustments to the proposed sign location in the field.

The Contractor shall use the sign sizes as shown in the State of California, Department of Transportation Traffic Manual, unless specified otherwise on the drawings.

Signs located at the side of the roadway shall have a minimum height of seven feet (7') from the adjacent ground to the bottom of the sign, unless specified otherwise. The height of a combination of signs in the median, such as an R7 with an R10, shall be 18 inches from the top of the island to the bottom of the lowest sign (R10) with a maximum one-inch separation between the two signs.

Each sign shall have the date of manufacture and a location number stenciled on the backside. Location information shall consist of each sign having an individual number which will be recorded on a clean set of Plans during the sign installation and shall be turned in as part of the "Record Drawings".

A. Sign Posts

A 5/16-inch diameter cap screw with a plated rubber backwasher against the face of the sign and elastic stop nuts shall be placed through the sign and post at both top and bottom of each sign. A "V" notched piped saddle, to support the sign, shall be placed between the sign and the post.

B. Signal and Street Light Poles

Place a 3/4-inch stainless steel banded strap and appropriate hardware at both top and bottom of each sign.

C. Sheeting Grade

Sheeting Grade shall use ASTM Type 11 or 3M DG Cubed specifications designed to enhance nighttime visibility of traffic control signs and objects. Type 11 or 3M DG Cubed sheeting shall have a precoated adhesive protected by an easily removable liner.

D. Sign Material

All signs shall be aluminum panels conforming to 5052-H38. All road signs shall be 0.08" thick with the exception of street name signs which shall be 0.125" thick.

Payment shall be made at the unit price bid per each sign and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing traffic signs on existing posts or new post as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 11 - REMOVE ROADSIDE SIGN

Existing roadside signs shall be removed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Removed sign panels shall be salvaged and delivered to the City of Sacramento Traffic Sign and Markings Section at 5730 24th Street, Building 10, Sacramento, CA. Existing roadside signs shall not be removed until replacement signs have been installed or until the existing signs are no longer required for the direction of public traffic, unless otherwise directed by the Engineer.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in removing roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 12 - REMOVE THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Thermoplastic and preformed traffic stripes (4", 6", 8", 12") shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing traffic stripes shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The striping and markings' contractor shall be required to provide and submit to the Engineer a weekly schedule of work for each week showing a list of streets in order of performance at least one week prior to performing any work. A contact person and phone number of responsible parties shall be affixed to this list.

The Contractor shall place temporary markers prior to removing traffic control measures during the striping removal operation. Temporary markers shall be maintained until permanent striping is in place.

Measurement shall be by the linear foot of traffic stripe removed. No payment will be made for gaps in broken traffic stripes. Double center stripes shall be paid as two (2) four-inch stripes.

Twelve-inch traffic stripes are defined as both transverse and longitudinal lines, which include, but are not limited to, 12" limit lines, 12" crosswalks stripes, and 12" speed hump stripes. 24" limit lines shall be considered as two 12" stripes to remove.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Thermoplastic and preformed pavement marking shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing markings shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Pavement markings are defined as, but are not limited to, word and symbol markings, parking brackets, and "Ladder" crosswalks.

Payment shall be lump sum for remove thermoplastic striping and pavement marking and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with removing traffic stripes and pavement markings as specified in these Special Provisions and as directed by the Engineer

ITEM NO. 13 - INSTALL THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Preformed thermoplastic stripe and pavement markings, both white and yellow, shall be constructed on asphalt and asphalt concrete pavement as shown on the plans or as directed by the Engineer and shall conform to AASHTO M249-79(98) and the applicable requirements of Section 32 of the City Standard Specifications and these Special Provisions.

Measurement shall be per lump sum to install all striping, pavement markings and marker shown on plans and in accordance with Caltrans Standard Detail A20A. For example, a Detail 22 includes two solid stripes and 2 markers every 24'. The measurement per lump sum would include the placement of both the stripes and markers, including the blue markers that must be placed in front of fire hydrants, and all pavement markings not covered under a separate bid item, and no additional payment would be made therefor.

Payment shall be at the unit price bid per lump sum for placement of thermoplastic pavement stripes and markers, thermoplastic pavement markings and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in the placement of such as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 14 - MODULAR CURB

Installing modular curb at the locations shown on the plans shall conform to Section 32 City Standard Specifications 81 & 82 of the State Standard Specifications, the 2014 California Manual for Uniform Traffic Control Devices, and these Special Provisions and as directed by the Engineer.

Modular Curb shall be three-foot overall length speed bump. The curbs shall be approximately 2.25" tall and surface mounted per the manufacturer's recommendation. Acceptable models include PEXCO FG300 Turnpike or approved equal. Modular curb shall include 36" white posts with at least 2-2" bands of retroreflective tape at the top of post.

Contractor shall submit to Engineer, for approval, the manufacturer's specification of the tuff curb. Curbs shall not be placed on the project prior to approval by the Engineers of the manufacturer's specifications submitted by the contractor.

Payment shall be at the price paid per liner foot and shall be full compensation for furnishing all labor, materials, tools, equipment and incidentals, as shown on the Drawings, as specified in these Special Provisions or as directed by the Engineer.

APPENDIX A

Labor Compliance Requirements for This Project

By submitting a bid for this project, you are agreeing to comply with the City's Labor Compliance Program



LABOR COMPLIANCE REQUIREMENTS

A summary of the labor compliance requirements will be presented at the labor compliance meeting. However, please read the attached documents relating to the labor compliance requirements and expectations for this project. For any questions regarding these requirements, please contact Raquel Gonzalez at RAGonzalez@cityofsacramento.org.

Each contractor and subcontractor (at all levels/tiers) is required to submit certified payrolls and labor compliance documentation electronically at the discretion of and in the manner specified by, the City of Sacramento.

Electronic submittal will be through a web-based system, accessed on the World Wide Web by a web browser. Each contractor and subcontractor will be given a Log On identification and password to access the City of Sacramento reporting system, currently LCPTracker.

Use of the system may entail additional data entry of weekly payroll information including; employee identification, labor classification, total hours worked and hours worked on this project, wage and benefit rates paid, etc. The contractor's payroll and accounting software may be capable of generating a 'comma delimited file' that will interface with the software. If the 'comma delimited file' option does not work, it is still the responsibility of the contractor and subcontractors to manually enter their data into LCPTracker, meeting the required deadlines for those documents.

This requirement 'flows down' to every lower-tier subcontractor and vendor required to provide labor compliance documentation.



**LABOR COMPLIANCE
HANDBOOK
2023**



Introduction

Contractors who are awarded contracts on City of Sacramento public works projects are subject to State and Federal Laws and regulations governing the payment and reporting of wages, the use of apprentices, and other applicable labor standards provisions. The City of Sacramento monitors prime contractors' and subcontractors' compliance with labor standards by collecting certified payroll records; conducting on-site interviews of works at the construction sites; when appropriate, audits of contractors' records; and engaging in other activities, as necessary, to ensure labor compliance. Labor Compliance officers make preconstruction presentations to inform contractors of their obligations to comply with labor standards provisions.

Electronic web submittals of labor compliance documents are effective as of May 1, 2007. Each contractor and every lower tier sub-contractor are required to submit labor compliance documents electronically at the discretion of the City of Sacramento utilizing LCPtracker.net.

***CITY OF SACRAMENTO
DEPT OF PUBLIC WORKS
ENGINEERING SERVICES
LABOR COMPLIANCE STAFF***

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Labor Compliance Requirements

(Prevailing Wage, SB 854, AB219, Etc.)

SB 854, a budget trailer bill that was signed into law on June 20, 2014, and became effective immediately, made several significant changes to laws pertaining to the administration and enforcement of prevailing wage requirements by the Department of Industrial Relations (DIR). Among other things, SB 854 established a new public works contractor registration program to replace prior Compliance Monitoring Unit (CMU) and Labor Compliance Program (LCP) requirements for bond-funded and other specified public works projects. The fees collected through this new program will be used to fund all of DIR's public works activities, including compliance monitoring and enforcement, the determination of prevailing wage rates, public works coverage determinations, and hearing enforcement appeals.

Labor Code Section 1725.5 (enacted by SB 854) requires all contractors bidding on this contract, all subcontractors listed in a bid for this contract, and any contractor or subcontractor performing any work under this contract, to be currently registered with the California Department of Industrial Relations (DIR), as specified in Labor Code Section 1725.5. Labor Code Section 1771.1 (enacted by SB 854) provides that a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal (subject to the requirements of Section 4104 of the Public Contract Code), or engage in the performance of any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5. Every bidding contractor shall list the contractor's current DIR registration number, and the current DIR registration number of all listed subcontractors, on the Subcontractor and Local Business Enterprise (LBE) Participation Verification Form included in the contractor's bid.

SB 854 – Important Information for Contractors

- **No contractor or subcontractor** may be listed on a bid proposal for a public works project (submitted on or after March 1, 2015) **unless registered** with the Department of Industrial Relations pursuant to Labor Code section 1725.5 [with limited exceptions from this requirement for bid purposes only under Labor Code section 1771.1(a)].
- No contractor or subcontractor may be awarded a contract for public work on a public works project (awarded on or after April 1, 2015) unless registered with the Department of Industrial Relations pursuant to Labor Code section 1725.5.
- This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.
- The prime contractor must post job site notices prescribed by regulation. (See 8 Calif. Code Reg. §16451(d) for the notice that previously was required for projects monitored by the CMU (Compliance Monitoring Unit).)

Essentials of public works contractor registration program:

- Contractors will be subject to a registration and annual renewal fee that has been set initially at \$400. The fee is non-refundable and applies to all contractors and subcontractors who intend to bid or perform work on public works projects (as defined under the Labor Code).
- Contractors will apply and pay the fee online and must meet minimum qualifications to be registered as eligible to bid and work on public works projects:
- Must have workers' compensation coverage for any employees and only use subcontractors who are registered public works contractors.
- Must have Contractors State License Board license if applicable to trade.
- Must have no delinquent unpaid wage or penalty assessments owed to any employee or enforcement agency.
- Must not be under federal or state debarment.
- Must not be in prior violation of this registration requirement once it becomes effective. However, for the first violation in a 12-month period, a contractor may still qualify for registration by paying an additional penalty.
- The registration fee is not related to any project. It is more like a license that enables the

registrant to bid on and perform public works.

- Additionally, **all contractors and subcontractors must furnish electronic certified payroll records directly to the Labor Commissioner** (aka Division of Labor Standards Enforcement). The phase-in timetable for this requirement can be found on the following link at [http://www.dir.ca.gov/Public- Works/SB854.html](http://www.dir.ca.gov/Public-Works/SB854.html) (also for all SB854 related information).

Concrete Delivery Legislation (AB 219) Fact Sheet

Assembly Bill 219 (Daly, Chapter 739, Statutes of 2015) adds Section 1720.9 to the Labor Code.

This bill expands the definition of public works under the California Prevailing Wage Law to include:

...the hauling and delivery of ready-mixed concrete to carry out a public works, contract, with respect to contracts involving any state agency, including the California State University and the University of California, or any political subdivision of the state.

Section 1720.9 defines the term ready-mixed concrete and specifies that the rate of pay shall be the current prevailing wage "for the geographical area in which the factory or batching plant is located" as determined by the Department of Industrial Relations. The statute also requires a written agreement between the party hauling or delivering ready-mixed concrete and the party that engaged its services. The agreement must specify compliance with the Prevailing Wage Law.

Finally, section 1720.0 requires that the hauling or delivery company provide certified payroll records under Labor Code section 1776(a) to the party that engaged its services and to the general contractor within five working days after the employee has been paid, accompanied by a written time record. The time record must be certified by each driver for the performance of job duties.

The amendments do not apply to public works contracts that were advertised for bid or awarded prior to July 1, 2016.

Registration with the Department of Industrial Relations

Ready-mix haulers and companies that deliver ready-mixed concrete for public works projects are considered subcontractors under Labor Code section 1722.1 and must register with the Department of Industrial Relations as specified in Labor Code section 1725.5. A Contractors State License Board license is not required to register with DIR or to work on a public works project (contractors working in a trade that is subject to licensing by the CSLB will still be subject to CSLB licensing requirements).

Suppliers and other trucking companies will need to provide a Public Utilities Commission license number, U.S. Department of Transportation license number, and any other state or federal license, if one is required for your business. If none of these apply, the supplier can register with DIR by selecting other in the license type menu and entering N/A for not applicable in the license number field.

Prevailing Wage Requirements (except from Sacramento City Code 3.60.180)

Every contract for any construction project, as defined in Section 1782 of the California Labor Code, to be performed within the state at the expense of the city, or paid out of city moneys, whether such work be done directly under contract award, or indirectly by or under subcontract, sub partnership, day labor, station work, piece work, or by any other arrangement whatsoever, must provide, in addition to other provisions required by law, that any person performing labor in the state in execution of such contracts, subcontract, sub partnership, day labor, station labor, piece work or any other arrangement shall be paid not less than the general prevailing rate of wages in private employment for similar work in the city; provided, however, that the foregoing provisions as to payment of the general prevailing rate of wages shall not apply to: (a) contracts for any construction project originally awarded or executed in an amount of twenty-five thousand dollars (**\$25,000.00**) or less; (b) contracts for any **alteration, demolition, repair, or maintenance work** originally awarded or executed in an amount of fifteen thousand dollars (**\$15,000**) or less; (c) materials for which no manufacturing plant exists in the city; or (d) standard materials or commodities carried in stock by dealers or manufacturers generally.

The general prevailing rate of wages shall be the general prevailing rate of wages for the area in which the city is located as determined by the director of the Department of Industrial Relations pursuant to Labor Code Section 1773. Every contract for which the payment of the general prevailing rate of wages is required shall provide that the determination of the director of the Department of Industrial Relations in force at the time the notice to bidders is published with respect to the general prevailing rate of wages in private employment in the city for similar work shall be binding upon the parties any contract awarded as a result of such notice.

For more details, please refer to the applicable statutes and regulations regarding the payment of prevailing wages and General Prevailing Wage Determination(s) including the footnotes. Such information is available on the Department of Industrial Relations' website at <http://www.dir.ca.gov/>. Frequently asked questions can be found on the following link at: http://www.dir.ca.gov/OPRL/FAQ_PrevailingWage.html.

These new requirements will apply to all public works that are subject to the prevailing wage requirements of the Labor Code, without regard to funding source.

Please refer to <http://www.dir.ca.gov/> for general requirements by DIR (Department of Industrial Relations in the State of California). For additional information about public works requirements, please visit the public works section at <http://www.dir.ca.gov/Public-Works/PublicWorks.html>.

California Wage Determinations

Website

The State Wage Determination can be found on-line by accessing the following web site:

<http://www.dir.ca.gov/OPRL/pwd/>

For additional information you may contact: **Division of Labor Statistics and Research (DLSR) (415) 703-4774.**

The State Wage Determinations list the basic crafts, (operating engineers, carpenters, laborers, etc.) by location; most sub trades (electricians, plumbers, etc.) are by county *(In the event of multiple funding sources, a comparison of the state and federal determination must be made, and the higher wage rate must be applied.)*

Issue Date:

The State Wage Determinations are published twice a year; approximately **February 22** and **August 22**, to reflect updated wage increases incurred. Please be cognizant that increase dates do vary.

Single Asterisk * (Good for life of project)

Example: Expiration Date of Determination: June 27, 2008*

*Effective until superseded by new determination issued by the Director of Industrial Relations. Contact Division of Labor Statistics and Research (415) 703-4774 for new rates after 10 days from the expiration date if no subsequent determination is issued.

Double Asterisks ** (Indicates expiration date & a wage or fringe benefit increase)

Example: Expiration Date of Determination: June 30, 2009**

** The rate to be paid for work performed after this date has been determined. **If work will extend past this expiration date, the new rate must be paid** and should be incorporated in contracts entered into now. Contact Division of Labor Statistics and Research (415) 703-4774.

On-Site Posting Required

All contractors must post a copy of the applicable State Wage Determinations and Labor Compliance Contacts sheet provided at the preconstruction meeting.

Federal Wage Determinations

Web Site

The Federal Wage Determinations can be found on-line by accessing the following web site:
<http://www.wdol.gov>. **Applicable Federal Wage Determinations are included in your contract.**

The Davis-Bacon Act (DBA) requires the payment of prevailing wage rates (which are determined by the US Department of Labor) to all workers employed in the execution of the contract on federally funded construction projects. In the event of multiple funding sources, a comparison of the state and federal determination must be made, and the higher wage rate must be applied.
<https://www.dol.gov/compliance/guide/dbra.htm>

Publication Date

There is no set date that the Federal Wage Determination is published; it is modified as needed.

Good for the Life of the Project

The applicable Federal Wage Determination is good for the life of the project.

On-Site Posting Required

All contractors must post a copy of the applicable Federal Wage Determination and the WH-1321 "Employee Rights Under the Davis-Bacon Act" poster that is provided at the preconstruction meeting.
<https://www.dol.gov/compliance/guide/dbra.htm>

Sole Proprietors

Are sole proprietor contractors required by law to pay prevailing wages and submit eCPRs for work done on public works projects?

Sole proprietorship and general partnership companies without employees are required to pay themselves prevailing wages, in accordance with [Labor Code section 1774](#) that states that all workers must be paid prevailing wages. If the worker is also the employer and sole proprietor for whom no payroll exists, the owner should submit eCPRs and must show that the rate of pay is at or above the required prevailing wage. (The courts have ruled that sole owner companies cannot pay less than the prevailing wages. As such, any contract that is entered into that undercuts the labor component is unlawful.)

What if the company hasn't hired any workers yet, so the owner does all the work? What if the company has employees, but the owner/partner/corporate officer does some work as well?

In the first situation, treat the business as if it were a sole proprietorship and do as explained in the following question. In the second situation, you must first determine if the work done by the owner/partner/officer falls into the category of prevailing wage work. If the work was prevailing wage work, then do as listed below assuming the worker is the owner. In the situations that the worker is the corporate officer who receive a fixed salary, you should annualize the salary to calculate the hourly rate. In the events that the hourly rate is less than the prevailing wage rate, the worker should receive the additional payment to meet the required amount.

As a sole proprietor, how do I calculate my pay rate?

You should divide your profit before labor costs (i.e., the amount of contract less fixed cost and variable costs) by the total number of hours you worked on the public works site. Please note that if your labor profit goes below the prevailing wage rate, you could be subject to public works penalties for failing to pay the correct prevailing wage rate. You need to attest under penalty of perjury that you are at or above the required prevailing wage rate for the craft/classification worked.

Do I have to issue myself a paycheck?

An individual who performs skilled or unskilled labor on a public works project is entitled to be paid the applicable prevailing wage rate for the time the work is performed, regardless of whether the individual holds a particular status such as partner, owner, owner-operator, independent contractor or sole proprietor, or holds a particular title with the employer such as president, vice-president, superintendent or foreman. In accordance with [Labor Code 1774](#), the contractor to whom the contract is awarded, and any subcontractor under him, shall pay not less than the specified prevailing rates of wages to all workmen employed in the execution of the contract.

What happens if I lose money on the job?

The courts have held that sole proprietors cannot undercut labor costs in order to get a public works project. This would be out of compliance with public works laws and would give an unfair advantage to businesses that have no employees.

What if I do not have employees or a FEIN number?

You will need to use your social security number in order to report your hours in the [DIR's online eCPR system](#).

Am I subject to payroll taxes?

No, as a sole proprietor, you are not subject to payroll taxes, but you may be subject to income taxes.

Do I have to employ apprentices?

Generally speaking, yes. However, the exemptions to employ apprentices are listed below.

- [Labor Code 1777.5](#) does not apply to general contractors whose contract is under \$30,000.
- When the craft or trade is not apprenticeable.
- When the contractor holds a sole proprietor license and no workers were employed by the contractor. In other words, the contractor performed the entire work from start to finish and worked alone.

- When the project is a federal project and the funding of the project does not contain any city, county, and/or state monies unless the project is administered by a state agency in which case the apprenticeship requirements apply.
- When the project is a private project not covered by the definition of public works as found in [Labor Code section 1720](#).

Prevailing Wage Questions and Answers Regarding Off- Site Hauling

Q. Will the new Driver (On/Off Hauling To/From Construction Site) rates replace the Teamster (construction site) rates and the superseded six county Driver determinations as the default rate for off the site hauling as of March 4, 2009?

A. Yes. In the absence of trucking rates for other types of materials or for different types of trucks involving On/Off Hauling To/From the Construction site, the off-the-site rates apply. For covered work that was advertised for bid prior to March 4, 2009, the on-site rate will apply except for the six counties that had an off- site rate (Labor Code section 1773.6). The new On/Off Hauling rates are not applicable to projects advertised for bids prior to March 4, 2009.

The date of notice or call for bids also referred to as the bid advertisement date is defined as the date the first notice inviting bids was published in a newspaper of general circulation or promulgated in a legally sufficient manner which results in a contract being awarded with or without competitive bidding (Title 8, California Code of Regulations section 16000).

Q. Will the Driver (On/Off Hauling To/From Construction Site) rates apply to truck drivers operating trucks in addition to dump trucks and ready-mix trucks?

A. Yes. The dump truck rates at their minimums will apply to other types of trucks performing off-the-site hauling (to or from a construction site) except for ready mix trucks which have their own prevailing wage determination.

Q. Will the Driver (On/Off Hauling To/From Construction Site) rates apply to drivers when they perform hauling to or away from the job site while working for an on-site contractor?

A. Yes. The off-site hauling rate(s) is the minimum rate of pay required for this type of work. In support of the off-site rate being paid, contractors are required to maintain documentation including the hours worked for each worker regarding the craft, classification or type of work being performed.

Q. What rate (the on-site or the off-site) applies to drivers who pick up materials from a dedicated material supply source that was specified in the construction contract documents?

A. This question will require the Director to determine coverage of the work and the appropriate rate to be paid based on specific facts and circumstances such as the actual location of the dedicated facility and other relevant information. At this time, it is not possible to answer this question in a general manner.

Q. Will the Driver (On/Off Hauling To/From Construction Site) rate(s) apply to drivers who haul refuse from the construction site?

A. Yes. The Driver (On/Off Hauling To/From Construction Site) rate(s) will apply to drivers who haul refuse away from the construction site. See Labor Code section 1720.3; PW Case 2006-017, Off-hauling of Contaminated and Clean Soil - Long Beach Unified School District, Avalon School, (6/26/07), (explaining that off-haul of contaminated soil to a land fill is covered public work under Labor Code section 1720.3); Public Works Case No. 2008-027, On-Haul and Off-Haul to and from the Friendly Senior Center- Abatement and Demolition Project-City of Morgan Hill (10/31/08).

Q. What rate (on-site or off-site) applies to a driver who performs off-the-site hauling for:

- 1. Material supply company?
- 2. For-hire trucking company?
- 3. A construction company who also operates a legally separate and independent material supply company and does not interchange the drivers between the two companies?

A. The answer to all the questions above is the off-site rate but only when the work itself is covered.

Q. What rate (the on-site or the off-site) applies when a driver who works for a construction company who uses the same driver to haul material on the site of construction and also perform work off the site that is covered by prevailing wages?

A. The off-site rate will be the minimum rate of pay for workers employed by contractors and subcontractors when those workers are performing covered off-site work. The on-site activities by these workers would require the on-site rate.

Q. Do the dump truck rates apply to all trucks delivering or picking up materials to and from a construction site irrespective of their size or tonnage, or the material being hauled or the type of truck?

A. The answer is yes until rates for these other types of trucks or sizes or types of material differentials are published as prevailing. Note that mixer truck has its own prevailing wage rate.

Q. What location determines the appropriate rate of pay (job site, material supply source, off-the-site delivery point, employer's off-the-site yard or shop, etc.)?

A. The geographic location of the covered job site determines the county or area rate to be applied.

Q. Does the geographic location of the job site prevail when the driver drives through different counties with different rates?

A. Yes. The rate is determined by the location of the job site.

Q. What Prevailing Wage Rate applies when the driver picks up material from a covered job site in one county and delivers it to another covered job site that has a different county rate?

A. The employer should pay the off-site rate required by the job site where the public works construction contract requires the removal of the material (originating site) to be delivered to the second covered site.

Q. Is an employee driving for an intrastate or interstate trucking company entitled to prevailing wages when performing covered work?

A. Yes. Such drivers are subject to all the prevailing wage requirements including the overtime rates. The Prevailing Wage determinations set forth the overtime rates and requirements but only when the work itself is deemed to be covered. Wage and hour exemptions that may be otherwise applicable are not available for covered public works.

Q. May an employer pay more than the indicated health & welfare, pension, vacation & holiday rates and other such employer payments?

A. Yes, the employer may pay higher rates. The prevailing wage rates are minimums. The employer may pay lower benefit rates than indicated on the determination and transfer the difference to the basic hourly rate. In no case can the total compensation be less than the total hourly rate which includes the total of the basic hourly rate and the employer payments (Labor Code sections 1771 and 1774). There are two caveats: (1) The employer may not pay less than the specified published basic hourly rate (the wage rate). (2) The other employer payments must be legitimate meaning that they must be irrevocably paid to third person or trustee pursuant to a plan, fund or program for the benefit of the employee (Labor Code section 1773.1).

http://www.dir.ca.gov/OPRL/FAQ_Hauling.html

Apprentice Requirements for Public Work Projects

California Labor Code Section 1777.5 requires all public works contractors and subcontractors to:

1. Submit contract award information (DAS140)
2. Employ registered apprentices (DAS142)
3. Make training fund contributions (CAC2)

Submit contract award information (DAS140)

If you are a contractor already approved to train apprentices (a member of a DAS recognized Apprenticeship Committee:

“Contractors who are already approved to train apprentices must provide contract award information to the apprenticeship committee for each applicable apprenticeable craft or trade that has approved the contractor in the area of the site of the of the public works project.” The Contract Award Information must be in writing and submitted to the applicable committee(s) within 10 days of the date of the prime or subcontract but in no event later than the first day the contractor has workers employed on the public works project. [You may use form DAS 140](#) for this purpose. This is simply a notification of award; it is not automatically a request for dispatch of a registered apprentice. All notice of awards must be in writing and sent by first class mail, fax or email. Proof of submission is required by the City of Sacramento (certified mail receipt, fax receipt or read receipt.)

If you are not already approved to train by an Apprenticeship Committee:

Contractors not already approved to train apprentices must submit Contract Award Information (DAS 140) to **every** apprenticeship program in the geographic area of the public works project, **for each craft you intend to employ on the project.** You can determine which apprenticeship programs are approved in specific geographic locations by clicking on the following link:
<http://www.dir.ca.gov/databases/das/pwaddrstart.asp>

The Contract Award Information must be in writing and submitted to the applicable committee(s) within 10 days of the date of the prime or subcontract but in no event later than the first day the contractor has workers employed on the public works project. This is simply a notification of award; it is not automatically a request for dispatch of a registered apprentice.

Request and Employ registered apprentices (DAS142)

Ratio: A contractor on a public works project must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. [Title 8 California Code of Regulations, Section 230.1.](#) for **each separate craft at the end of a project.** Please check the DAS Important notices to determine if any exemptions exist for your craft or trade. <http://www.dir.ca.gov/DAS/PublicWorksForms.htm>

Can I mix and match crafts to reach the minimum ratio?

No. The minimum ratio requirement is per each individual craft and only includes straight time hours.

Do overtime hours count toward the minimum ratio?

No, only straight time hours count. Be careful not to confuse premium pay with overtime pay.

What is the maximum number of apprentices I can use on a Public Works Project?

It depends on which box you have checked on your DAS 140. If you checked box 1 or 2 and fall under the regulations set forth in a specific program's standards, then you are allowed to use the maximum ratio set forth in those Standards. If you have checked box 3 and agreed to be governed by the regulations set forth by the California Apprenticeship Council, then the minimum and maximum ratio is the same: 1 apprentice hour for every 5 journeyman hours totaled at the end of the project.

I am a contractor who is approved to train by an approved program and am covered by their Standards, or I am a contractor who has agreed to be covered by a program's Standards for a single project. How do I know what the Standards allow for that program's maximum apprentice ratios? You can ask the program for a copy of their Standards or a copy of the language in Article XV which covers ratios. Or you can call the DAS office nearest the location for that program and request the same.

All contractors must request dispatch of an apprentice from an apprenticeship program (for each apprenticeable craft or trade) by giving the program actual notice of at least 72 hours (excluding Saturdays, Sundays and Holidays) before the date on which apprentices are required. A DAS 142 form is provided for this purpose. All requests for dispatch must be in writing and sent by first class mail, fax or email. Proof of submission is required by the City of Sacramento (certified mail receipt, fax receipt or read receipt.)

Contractors who do not receive a sufficient number of apprentices from their initial request, must request dispatch apprentices from all other apprenticeship committees, if more than one exists in the area of the public works project.

To determine which apprenticeship programs are approved for your craft or trade in a specific geographic location:

1. Contact the DAS District office whose assigned geographic areas of responsibility cover the county/ies in which the public works project is located.
2. Visit [Apprenticeship Programs Information Guide - Public Works Search](#)

<http://www.dir.ca.gov/Databases/das/pwaddrstart.asp>

Make Training Fund Contributions

Contractors who are awarded public works jobs must make training fund contributions in the amount established in the prevailing wage rate publication for journeymen and apprentices. This nominal fee contributes to the assurance that new apprentices coming into the craft will be guaranteed the highest level of training and as skilled craftsmen retire, the trade will survive.

Contractors who contribute to an apprenticeship program are entitled to a full credit in the amount of those contributions. Contractors who do not contribute to an apprenticeship program must submit their contributions to the California Apprenticeship Council, P. O. Box 511283, Los Angeles, California 90051-7838.

Training fund contributions to the Council are due and payable on the 15th day of the month for work performed during the preceding month. The contribution should be paid by check and be accompanied by a completed [CAC2 Form](#) that contains the following information:

1. The name, address and telephone number of the contractor making the contribution.
2. The contractor's license number.
3. The name and address of the public agency that awarded the contract.
4. The jobsite location, including the county where the work was performed.
5. The contract or project number.
6. The time period covered by the enclosed contributions.
7. The contribution rate and total hours worked by apprenticeable occupation.
8. The name of the program(s) that provide apprentices, if any.
9. The number of apprentice hours worked, by apprenticeable occupation and by program.

Payment of Training Fund Contributions **must be sent to the California Apprenticeship Council** (address below) (CAC) if the contractor is **not signatory** to an apprenticeship committee. The CAC will then distribute the funds to the proper apprenticeship committees. However, the **CAC IS NOT AN APPRENTICESHIP COMMITTEE** and will not accept the DAS140 or DAS142 forms.

California Apprenticeship Council (CAC)

P.O. Box 511283
Los Angeles, CA 90051-7838

Questions: email daspublicworks@dir.ca.gov

Subject to change for most recent documentation please click on the following link:
<http://www.dir.ca.gov/das/DASApprenticesOnPublicWorksSummaryOfRequirements.htm>

Exemption

What are the instances in which a contractor on a public works project is considered exempt from the requirements of LC 1777.5?

1. [Labor Code 1777.5](#) does not apply to general contractors whose contract is under \$30,000.
2. When the craft or trade is not apprenticeable.
3. When the contractor holds a sole proprietor license and no workers were employed by the contractor. In other words, the contractor performed the entire work from start to finish and worked alone.
4. When the project is a federal project and the funding of the project does not contain any city, county, and/or state monies unless the project is administered by a state agency in which case the apprenticeship requirements apply.
5. When the project is a private project not covered by the definition of public works as found in Labor Code section 1720.

What if I am exempt from the requirements of California Labor Code Section 1777.5 as my situation falls under one of the exemptions listed above? Do I still have to provide a "Notice of Contract Award" (DAS 140 form) to the applicable program?

You do not have to submit a "Notice of Contract Award". However, for purposes of letting the applicable program know of your exemption, you may, nevertheless, want to provide the form to the applicable program so they are aware of your exemption.

If I have an Individual Contractor Exemption granted by the Chief of DAS per Labor Code § 1777.5 (j), or § 1777.5(k), do I still need to send a DAS 140 to the appropriate programs?

Yes, you still need to submit a Notice of Contract Award Information (DAS 140) to the appropriate Program Committees. The Individual Contractor Exemptions and Program Committee exemptions pertain to the ratio of apprentices on a public works project and do not eliminate the DAS 140 requirement.

I am a small subcontractor and my job will take less than 40 hours. Am I exempt from hiring apprentices?

No, you must still submit a DAS 140 and 142. However, you may request apprentices in less than 8-hour increments. Important Notice: see changes in [Code of Regulations section 230.1](#), regarding the employment of apprentices on Public Works.

Definition of a Registered Apprentice

An apprentice is someone who has signed an agreement with an employer, an approved apprenticeship program or program sponsor, and whose agreement is registered with the Division of Apprenticeship Standards (DAS).

Only an approved apprenticeship program can provide a contractor with a registered apprentice on public works projects.

Other Questions & Answers:

Do programs that provide apprentices for public works projects provide workers compensation benefits for the apprentice they send out to jobs or is the responsibility of the contractor and/or subcontractor?

This responsibility lies with the contractor and/or subcontractor.

As a contractor who has been awarded a public works contract, and has my own employees, am I still required hiring registered apprentices?

Yes. Important Notice: see changes in Code of [Regulations sections 230.1](#), regarding the employment of apprentices on Public Works

I am a non-union contractor. Am I required to hire an apprentice?

Yes, you must request dispatch from all approved programs in the geographic area of the project.

Can I employ my friend, family, or my own employee who is still beginning to learn a particular trade, as

an apprentice?

No. The law requires that you employ only apprentices who are registered with an approved program. However, if your friend or your employee is a registered apprentice and has been dispatched to you by an approved apprenticeship program, yes you can.

What happens if I employed my friend who is not a registered apprentice and I paid him the journeyman rate?

You may employ your friend and pay him journey wages, but this does not affect the apprenticeship requirements.

What are the benefits and advantages to hiring a registered apprentice?

The benefits of hiring an apprentice registered in a state approved program are:

1. Lower pay rate than the journeyman pay rate.
2. Elimination of recruitment programs for workers who are already trained.
3. Creates a diversified and flexible workforce and larger pool of employees with specific skills.
4. Increases productivity; employees in a structured training program are motivated to achieve.



Employment of Apprentices (additional information)

Bidder is directed to the provisions in Sections 1777.5, 1777.6 and 1777.7 of the California Labor Code concerning the employment of apprentices by a Contractor and any subcontractor performing a public works Contract.

Labor Code section 1777.5 requires the Contractor or subcontractor employing tradesmen in any apprentice-able occupation to apply to the joint apprenticeship committee in the area of the site of the public works project and which administers the apprenticeship program for a certificate of approval. Contractor or subcontractor shall not be required to submit individual applications for approval to local joint apprenticeship committees provided they are already covered by the local apprenticeship standards. The ratio of apprentices to journeymen and contributions to funds to administer apprenticeship programs shall be determined by Section 1777.5 and the responsibility for compliance with that section for all apprentice-able occupations shall be with the General Contractor.

Labor Code section 1777.5 does not apply to Contracts of general contractors or to contracts of specialty contractors not bidding for work through a general or Prime Contractor, when the contracts of general contractors or those specialty contractors, involve less than Thirty Thousand Dollars (\$30,000). This is the sum of the total contract amount not the individual contracts that are held between a prime contractor and their sub tiers. A contractor who willfully violates Labor Code section 1777.5 shall be denied the right to bid on or receive a public works contract for a period of up to one (1) year for the first violation, and for a period up to three (3) years for the second and subsequent violations, from the date the determination of noncompliance made by the Administrator of Apprenticeship becomes an order of the California Apprenticeship Council.

Contractor shall also be subject to the payment of the civil penalty as provided in Labor Code section 1777.7. Interpretation and enforcement of said Sections 1777.5 and 1777.7 shall be in accordance with the rules and procedures of the California Apprenticeship Council.

This information is provided as a guide. If there are any discrepancies between the language in this handbook and the specifications in the bid package for this project, the bid package shall prevail.

For the most up to date and current apprenticeship information refer to the DIR website.

All Current and Apprenticeable Trades/Crafts Within Sacramento County

This list is subject to change.

Asbestos Worker, Heat and Frost Insulator	Parking and Highway Improvement
(Striper) Boilermaker-Blacksmith	Painter
Bricklayer, Stonemason	Plasterer
Carpenter – All Related Trades	Plaster Tender
Carpet, Linoleum and Resilient Floor Layer	Roofer
Cement Mason	Landscape/Irrigation Fitter
Drywall Installer/Lather (Carpenter)	Sprinkler Fitter (Fire Protection/Fire Control
Drywall Finisher (Painter)	Pile Driver Operating Engineer
Electrician, Inside Wireman	Pile Driver (Carpenter)
Electrical Utility Lineman	Parking and Highway Improvements Painter
Elevator Constructor	Plumber/Steamfitter
Field Surveyor Chainman/Rodman	Pipefitter
Chief of Party	Underground/Utility Pipefitter
Glazer	Metal Roofing System Installer
Electrician (Comm & System Installer)	Sheet Metal
Worker Electrician (Comm & System Tech, Cable Splicer)	Stator Re-winder
Iron Worker	Terrazzo Finisher
Laborer	Terrazzo Worker
Marble Finisher/ Marble Mason/ Marble Setter	Tile Setter
Millwright	Tile Finisher
Operating Engineer	Steel Erector & Fabricator
Operating Engineer (Dredger)	Tunnel/Underground (Operating Engineer)
Building Construction Inspector	Tunnel Worker (Laborer)
Operating Engineer (Landscape Construction)	Parking & Highway Improvement (Striper-
Laborer) Pointer, Caulker and Cleaner	Brick tender
Acoustical Installer (Carpenter)	Scaffolding and Shoring Erector (Carpenter)
Hardwood Floor Layer (Carpenter)	Shingler (Carpenter)
Insulation Installer (Carpenter)	Communications & System Installer
Field Surveyor Instrument man	Taper
Roofer	Metal Deck and Siding

If using any of the listed crafts, you will be required to request an apprentice and pay into the apprentice-able craft training program that is applicable.

The website to see the latest list of apprenticeable trades is:
<http://www.dir.ca.gov/oprl/pwappwage/PWAppWageStart.asp>

PRE-CONSTRUCTION DOCUMENTS



NOTICE TO PROCEED
Project # PROJECT NUMBER
PROJECT NAME

DATE

PRIME NAME

PRIME

ADDRESS

PRIME CITY, STATE, ZIP

Notice is hereby given you are authorized to commence work on the above referenced project on **DATE**. You are legally required to begin work within fifteen (15) working days of this date. The entire work on the project must be completed within **SPELLED OUT NUMBER OF DAYS (NUMERICAL NUMBER OF DAYS)** working days from the date of this notice. Forty-eight hours prior to starting work, please notify the Project Manager, **PM NAME** at (916) 808-**EXT** or **PM EMAIL**@cityofsacramento.org. Please address all correspondence to:

City of Sacramento

DEPARTMENT NAME

DEPARTMENT ADDRESS

DEPARTMENT CITY, STATE

ZIP Attn: PM NAME

Please reference City Project # **PROJECT NUMBER in** all billing correspondence. We look forward to a mutually successful project. The City of Sacramento is committed to the "Partnering Concept" of open communication and cooperative construction. In that spirit, please do not hesitate to contact me at (916) 808-**CONTRACT & COMP EXT** or **CONTRACT & COMP EMAIL**@cityofsacramento.org if I can be of any assistance.

Respectfully,

CONTRACT & COMP NAME

Cc: **CONTRACT & COMP NAME, ACCOUNTING NAME, PM NA**



Labor Compliance Requirements

DATE:
PROJECT:
PROJECT #:

Labor Compliance Officer:
Project Manager:
Consultant/Contractor:

In accordance to City of Sacramento Ordinance Section 360.180 the following is to comply with the City of Sacramento prevailing wage provision and contract provisions.

The award of a public works contract requires that all workers employed on the project be paid not less than the specified general prevailing wage rates by the contractor and its subcontractors. Owner Operators are not exempt from this requirement (LC § 1777.5).

Current Prevailing Wage Rates can be accessed at <http://www.dir.ca.gov/hdlsr/pwd>.

NOTE: The first bid advertisement date of the project determines the applicable wage for this project. Please check your bid advertisement date to make sure you are using the correct determination. Superseded prevailing wage determinations can be obtained at <http://www.dir.ca.gov/oprl/main.htm>.

Prevailing wage rates and rate changes are to be posted at the job site for workers to view.

If Federal Funded: Davis/Bacon prevailing wage rates apply, unless State prevailing wage rates are required.

Prevailing Wage Requirements

- All workers employed in the execution of a public works project, including sole proprietors, partners, and corporate officers, must be paid not less than the specified prevailing wage rates for the type of work performed. *Reference: Labor Code 1774*
- Overtime must be paid for all hours over 8 in a calendar day and 40 hours in a week. Violations may subject the contractor to a state penalty of \$25 per day per worker. Please reference the general prevailing wage determination that that is applicable for further guidance. *References: Labor Code 1810-1815*
- Saturday/Sunday premium rates are applicable as indicated on prevailing wage determinations.
- When required shift differential rates must be paid for classifications which include a shift determination.

State Prevailing Wage Determinations

- Single asterisk indicates that this wage determination can be used for the life of the contract.
 - ****** Double asterisk indicates that this wage determination includes predetermined increases.
- Subsistence/Zone pay must be shown on the fringe benefit statement if not shown on certified payroll.

- The contractor must make applicable travel and subsistence payments in accordance with information on file with the Department of Industrial Relations (DIR) for classifications utilized. Call the Prevailing Wage Unit at (415) 703-4774 or available at: (415) 703-4774 or available at: <http://www.dir.ca.gov/dlsr/PWD/index.htm> Reference: Labor Code 1773.1
- Contractors violating prevailing wage requirements are subject to a penalty of up to \$200 per day per worker, paid in addition to any wage underpayments. Liquidated damages in the amount of the wage underpayments may also apply. References: Labor Code 1775 and 1742.1

Apprentices

- All requirements of the State Labor Code, Section 1777.5 apply including the following:
 - ⇒ Submit Division of Industrial Relations form DAS-140, *Public Works Contract Award Information*, to the applicable apprenticeship committee prior to start of work. This form with proof of service is to be uploaded into LCPTracker. The form may be downloaded at: <http://www.dir.ca.gov/DAS/PublicWorksForms.htm>
 - Submit Division of Industrial Relations form DAS-142- Request for Dispatch of Apprentices (Prime and Sub-Contractors.) This form with proof of service is to be uploaded into LCPTracker.
 - If applicable Submit Division of Industrial Relations form DAS 7- Agreement to Train Apprentices signed and accepted by the Division of Apprenticeship Standards. (This form applies if the contractor or sub contractor has checked box 1 on the DAS 140.)
 - ⇒ Training funds MUST be sent to a state-approved apprenticeship program or the California Apprenticeship Council and identified on the fringe benefit statement. If you are submitting the Training Funds to the California Apprenticeship Council this **must** be done electronically. The form can be found at the following link: <https://www.dir.ca.gov/das/tf/cac2.asp>. **CAC-2 Form and are due monthly by the 15th.**
 - Training Fund Contribution Letter** -are **due monthly by Prime and Sub-Contractors**. (If you are a Union Contractor submit the CAC-2 form stating funds are paid to specific trust fund and letter verifying those funds have been paid please upload both forms in LCPTracker.net)
 - ⇒ Apprentices must be paid the prevailing wage rate applicable to the classification and step in which they are registered and employed.
- Proof of registration in a state-approved apprenticeship program is required and must be submitted with the first payroll on which apprentices appear. References: Labor Code 1777.5; Contract Provision
- Complaints or violations regarding apprentice ratios will be referred to DAS. Reference: CCR 16434

Certified Payroll Records

- **Certified Payroll Reports (CPR) are to be Input into LCPTracker.net. All Contractors and subcontractors, on all public works projects, are required to submit certified payroll records (CPRs) to the Labor Commissioners through the eCPR system. Due within ten (10) days of pay period end date.** CPR's shall contain the same information for compliance with **LC § 1776**. Classification and group numbers are required on all payrolls. When work classification is not shown the City will determine the wage rate based on duties performed. Due minimum of bi-weekly with a Statement of Compliance for each pay period. (Located on LCPTracker.net under edocs) Reminder: wage increase for Master Agreements usually occurs on 06/15 and 06/29 or 06/30.

- **Negative Payroll Report** **Due within ten (10) days of pay period end date** if there is five (5) or more consecutive non-work days within any single pay period.
- **Fringe Benefit Statement: Form 420 (Located on LCPtracker.net under edocs)** Paid in cash or contributions to plans/programs are **due with first certified payroll report and anytime the fringe benefits change**. Please breakdown all fringes paid to employee and to what program they are being paid to. Documentation that the amount stated on the fringe benefit statement is being paid on the employees behalf may be requested for validation. If fringes are paid in cash please list a breakdown of those cash amounts.
- **Other Deductions** –Need to be detailed on the CPR and must be expressly authorized in writing by the employee or collective bargaining agreement. These need to be reference on the submitted CPR's and documentation uploaded into LCPtracker. There is a form available for download under the e-Documents tab.

Listing of Subcontractors

Contractors and subcontractors are required to list all suppliers and tier subcontractors hired to perform work on a public works project (in accordance to contract standard specification).

- The Subletting and Subcontracting Fair Practices Act requires prime contractors to list, at bid time, all subcontractors who will perform work in excess of one-half of one percent of the total bid amount or \$10,000, whichever is greater. For building projects, subcontractors who will perform work in excess of one-half of one percent must be listed. The prime must use those subs as listed at bid time unless a **written substitution is requested and approved in writing** by the Contracts Specialist and Project Manager **before** substitution.
 - *References: Public Contract Code 4100-4114; Standard Specifications 5, Control of Work*
- **Subcontracting Request**, Prime Contractor update the Form 300 (List of Subcontractors & Suppliers) before they begin work at the jobsite and anytime there is an approved substitution. The prime must perform 30 percent of the work with their own forces.
- The prime contractor is responsible for work performed and compliance met by subcontractors and owner- operators.
- Failure to comply with the requirements of the Subletting and Subcontracting Fair Practices Act may result in a penalty of 0-10 percent of the subcontract involved and a referral to the Contractors State License Board. *Reference: Public Contract Code 4110-4111*

List of Subcontractors & Suppliers: Form 300 (Located on LCPtracker.net under edocs) Per Government Section 4100 et seq; prohibition against unfair competition Business & Professions Code Section 17200-17208, you must list suppliers and the amount of their product (s). **Form is due within ten (10) days of pre-construction meeting.**

Pay Requests/Invoices

The Labor Compliance Officer shall notify the contractor and the Project Manager of noncompliance and labor issues prior to pay requests approval. Advance notice of submission to the Compliance Officer is required. You must submit a **current schedule of values** with each pay request and **you must have all labor compliance requirements met before submitting a pay request. Failure to meet the labor compliance requirements will result in your pay request being denied and returned to you for full compliance.** Pay request must be submitted to the inspector for his/her review first. The inspector will then forward the request to the Project Manager and the Labor Compliance Officer for their review.

Pursuant to Labor Code Section 1776, the City of Sacramento will impose penalties of \$100 per day per worker for each day the documentation that is requested is considered late (beyond the 10 days from when notice is given), even if the information you eventually submit is found to be correct. This information is to be uploaded into LCPtracker.net. If you have been asked to make any corrections to the documents submitted, we ask that you make the requested corrections and re-upload the corrected document into LCPtracker as soon as possible. As progress payments may be delayed while these items are outstanding, it would be in your best interest to see that these documents are provided as soon as possible.

Completion of Project

- **Contractor Notification of Completion: *Form 264*** must be submitted into LCP Tracker, **due upon completion of all punch list items established during final job walk.**

All of these forms discussed in this document are located on LCPtracker.net under the eDocuments tab.

In accordance with city policy and contract documents, the undersigned contractor herein certifies that it will comply with the foregoing prevailing wage requirements; and fully understands that failure to comply with these requirements will subject it to the penalties cited herein.

Contractor Signature

Title

Date



Start-Up Documents Due Prior to Start of Construction:

1. **Certification Statement of Contractor:**

If there is any contractor working as an "Independent Contractor", "Owner- Operator", "Sole Proprietor" or "Leased Worker" the certification form must be filled out.

- a. The original is to be submitted prior to, or concurrent with, the first payroll in which the Independent Contractor, Owner-Operator, Sole Proprietor or Leased Worker commences work.

2. **Authorization Letter for Signing Certified Payroll**

- a. To be signed by **company officer** or **owner** and uploaded into LCPtracker prior to the first Certified Payroll Report.
- b. This document lets the Labor Compliance Department know whom is authorized to sign certify payroll reports and other documents on behalf of the Contractor.

3. **FORM 300 List of all Subcontractors and Suppliers:**

- a. To be filled out and uploaded within 10 days of the preconstruction meeting and prior to the first Certified Payroll Report.
- b. This document lets the Labor Compliance Department know who will be working on this project. This is checked against initial form that was submitted with bid documents. If there are any changes during the life of the construction projected this form is to be updated and the Labor Compliance Officer is to be made aware of changes.
- c. This form is to be filled out by all Subcontractors and their lower level subs and uploaded into LCPtracker.

4. **Checklist of Labor Law Requirements:**

- a. To be filled out and signed by the contractor and all sub tier contractors **prior** to start of their work on the construction project. Please check all boxes that apply.

5. **Fringe Benefit Statement:**

- a. Asterisk or note any form of benefits that are included in the payroll reports should be listed out as an "hourly" rate of pay for each trade used.
- b. If fringe payments are made directly to the employee in lieu of fringes, please note "paid in cash" under the applicable fringe payment and breakdown the hourly rate that is paid to the employee in cash.
- c. Must be re-submitted when wage rates are updated, with effective dates and/or any changes in fringes are made.

6. DAS-140- Public Works Contract Award Information Form:

- a. Contract award information must be sent to your Apprenticeship Committee if you are approved to train apprentices. If you are NOT approved to train apprentices, you must send the information to ALL applicable Apprenticeship Committees in your craft or trade in the area of the Public Works Project.
- b. After you have completed the DAS-140 Form mail the original(s) to the appropriate Joint Apprentice Training Committee(s) within (10) days of the date of the execution of the prime contractor's subcontract, but in no even later than the first day in which the contractor has workers employed upon the public work (CA Labor Code 1777.5 (e)).
- c. Upload a copy of the form or all forms submitted with proof of deliver to the LCPtracker.net program under the e-Documents Tab. The form of proof can be certified mail or fax confirmation.
- d. All Applicable Joint Apprentice Training Committee (s) may be found at: <http://www.dir.ca.gov/Databases/das/pwaddrstart.asp/>
- e. Templates available for download can be found at: <http://www.dir.ca.gov/DAS/PublicWorksForms.htm> or on LCPtracker.net under the e-Documents tab.

7. DAS-7- Agreement to Train Apprentices Form:

- a. **IF Applicable: (Checked box 1 on the DAS 140)**
 - i. Submit your DAS-7 or equivalent certification and upload into LCPtracker.net under the e-Documents tabs and inform the labor compliance person monitoring your project. This form can be submitted with your DAS-140 form.

8. DAS-142 Request for Dispatch of an Apprentice Form:

- a. Send to the Joint Apprentice Training Committees (JATC) in your craft or trade in the geographic area of the Public Works Project to request the dispatch of an apprentice before starting work at the site and as needed throughout the project.
- b. Employment of Apprentices on Public Works project- (a) Contractor(s) shall employ registered apprentice(s), as defined by Chapter 4 (commencing with Section 3070) of Division 3, during the performance of a Public Work Project in accordance with the required (1) hour of work performed by an apprentice for every (5) hours of labor performed by a journeyman, unless covered by one of the exemptions enumerated in the Labor Code Section 1777.5 or this subchapter.
- c. Provide a copy of your apprenticeship program's standards if they operate under a different ration then the California Labor Codes & Regulations.
- d. Template available for download can be found at: <http://www.dir.ca.gov/DAS/PublicWorksForms.htm>

Forms Required Prior to Construction

Classification Worksheet

A separate form must be filled out for each contractor/subcontractor performing on the project.

Project Name	
Project Number	
Contractor Name	
Contact Name	
Contact Phone	
Contact Email	
CSLB/Certificate #	

Classification(s) being Utilized (check all that apply)

- | | |
|--|---|
| ☐ Asbestos | ☐ Carpet/Linoleum |
| ☐ Electricians | ☐ Laborers |
| ☐ Pile Drivers | ☐ Sheet Metal |
| ☐ Boilermaker | ☐ Cement Mason |
| ☐ Elevator Mechanic | ☐ Millwrights |
| ☐ Pipe Trades | ☐ Sound/Communication |
| ☐ Bricklayers | ☐ Drywall Finisher |
| ☐ Glaziers | ☐ Operating Engineer |
| ☐ Plasterer | ☐ Surveyor |
| ☐ Carpenter | ☐ Drywall/Lather |
| ☐ Iron Workers | ☐ Painters |
| ☐ Roofers | ☐ Teamster |
| ☐ Tile Workers | ☐ Other(specify) _____ |

Letter of Authorization
PLACE ON COMPANY LETTERHEAD

Date:

To whom it may concern:

I, the undersigned, hereby authorize to sign on our behalf in all manners relating to certified payroll, including signing of all certified payroll related documents. Any and all acts carried out by on our behalf shall have the same effect as acts of our own.

This affirm that the signatories identified above have the authority under penalty of perjury to affirm that required forms and certified payroll records are originals or are full, true and correct copies of the original and correctly depict the Trades, Crafts and Classifications of work performed; hours and days worked; and the amounts by category listed, disbursed by way of cash, check, or in whatever form or manner to each person by job classification and/or skill pursuant to public works contract.

This authorization is valid until further written notice from (COMPANY NAME).

Sincerely,

(Company counsel or company officer's signature)
(Name Address and Title)

City of Sacramento

PW-300 Form

Instructions: The Prime Contractor and all Subcontractors are required to submit the PW-300 via LCPTracker.net. If there are no subs or suppliers, state on the PW-300 and upload. If you are a Subcontractor with no additional lower tier subs place the Prime Contractors information in the Prime Contractor box and list yourself as the Subcontractor. Fill out the information that is known. If you are a Subcontractor with lower tier subs, please put your company name under the Prime Contractor field and all subs under the Subcontractors List field. Please refer to Public Contract Code 4107 regarding changes to subcontractor listing. If there are any changes made to this list during the duration of the project which might include an additional subcontractor/supplier or eliminating a subcontractor/supplier, then a revision to the PW-300 Form is required. **DIR REGISTRATION # MANDATORY**

PRIME CONTRACTOR	
Date	Project #
Name	Project Name
Address:	Contract #
City, State, Zip	Total Contract Amount
Contact Name/Phone #	Estimated Start Date
Email	Estimated Completion Date
DIR Registration #	Federal Tax ID #
Contractor Lic. #	State Tax ID #
SUBCONTRACTORS LIST	
SUBCONTRACTOR	
Name	Contact Name/Phone #
Address:	Email
City, State, Zip	Description of services
Contractor Lic. #	Estimated Start Date:
DIR Registration #	Estimated Completion Date
Contract \$ Value	LBE/EBE/DBE
SUBCONTRACTOR	
Name	Contact Name/Phone #
Address:	Email
City, State, Zip	Description of services
Contractor Lic. #	Estimated Start Date:
DIR Registration #	Estimated Completion Date
Contract \$ Value	LBE/EBE/DBE
SUBCONTRACTOR	
Name	Contact Name/Phone #
Address:	Email
City, State, Zip	Description of services
Contractor Lic. #	Estimated Start Date:
DIR Registration #	Estimated Completion Date
Contract \$ Value	LBE/EBE/DBE
Add additional pages if necessary.	

City of Sacramento

PW-300 Form

SUBCONTRACTORS LIST

SUBCONTRACTOR		Contact Name/Phone #	
Name		Email	
Address:		Description of services	
City, State, Zip		Estimated Start Date:	
Contractor Lic. #		Estimated Completion Date	
DIR Registration #		LBE/EBE/DBE	
Contract \$ Value			
SUBCONTRACTOR		Contact Name/Phone #	
Name		Email	
Address:		Description of services	
City, State, Zip		Estimated Start Date:	
Contractor Lic. #		Estimated Completion Date	
DIR Registration #		LBE/EBE/DBE	
Contract \$ Value			
SUBCONTRACTOR		Contact Name/Phone #	
Name		Email	
Address:		Description of services	
City, State, Zip		Estimated Start Date:	
Contractor Lic. #		Estimated Completion Date	
DIR Registration #		LBE/EBE/DBE	
Contract \$ Value			
SUBCONTRACTOR		Contact Name/Phone #	
Name		Email	
Address:		Description of services	
City, State, Zip		Estimated Start Date:	
Contractor Lic. #		Estimated Completion Date	
DIR Registration #		LBE/EBE/DBE	
Contract \$ Value			
SUBCONTRACTOR		Contact Name/Phone #	
Name		Email	
Address:		Description of services	
City, State, Zip		Estimated Start Date:	
Contractor Lic. #		Estimated Completion Date	
DIR Registration #		LBE/EBE/DBE	
Contract \$ Value			

City of Sacramento

PW-300 Form

Add additional pages if
necessary.

SUPPLIERS LIST

Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount
SUPPLIER	
Name	Contact
Address:	Phone
City, State, Zip	Email
Description of materials	\$ Amount

Add additional pages if
necessary.

I have completed the documentation accurately and to the best of my knowledge. Signature: _____ Date: _____

Checklist of Labor Law Requirements

(CCR Title 8, Section 16421)

Ultimately the prime contractor is liable for their sub and specialty contractors. This checklist is a useful tool for the prime contractor to ensure that their sub and specialty contractors know their responsibilities on public works projects. Contractors who understand and comply with the law are more likely to deliver the job on time, on budget and done right the first time. We suggest the Prime contractor encourage completion of this checklist by their sub and specialty contractors.

NAME (print) _____ Date _____

Company _____ Phone _____

Address _____ Fax _____

City _____ State _____ Zip Code _____

Project Manager _____ Superintendent/Foreman _____

Certified Payroll _____ Phone/Ext. _____

Contractor License NO. _____ Exp. Date _____ Specialty License NO. _____

Self-insured Certificate NO. _____ Workers Comp policy NO. _____

Project NAME _____ Project #/Bid Package# _____

Awarding Body _____ Advertisement Date _____

If Subcontracting, List your prime/general Contractor _____

Contract Award Amount _____

The Federal AND State Labor LAW requirements Applicable to the Contract Are Composed OF, But Not Limited to, the Following:

☐ **Payment of Prevailing Wage Rates**

The contractor to whom the contract is awarded, and its subcontractors hired for the public works project are required to pay not less than the specified general prevailing wage rates to all workers employed in the execution of the contract. *Labor Code Section 1770 et seq.*

The contractor is responsible for ascertaining and complying with all current general prevailing wage rates for crafts and any rate changes that occur during the life of the contract. Information on all prevailing wage rates and all rate changes are to be posted at the job site for all workers to view. Additionally, current wage rate information can be found at the DLSR web site, www.dir.ca.gov/dlsr/statistics_research.html.

☐ **Apprentices**

It is the duty of the contractor and subcontractors to employ registered apprentices on the public works project and to comply with all aspects of *Labor Code Section 1777.5*, relating to Apprentices on public Works. (1) Notify approved apprenticeship programs of contract award; (2) employ apprentices; (3) pay training fund contributions.

☐ **Penalties**

There are penalties required for contractor's/subcontractor's failure to pay prevailing wages and for failure to employ apprentices, including forfeitures and debarment under *Labor Code Sections 1775; 1776; 1777.1; 1777.7 and 1813*.

☐ **Certified Payroll Reports**

under *Labor Code Section 1776*, contractors and subcontractors are required to keep accurate payroll records showing the name, address, social security number and work classification of each employee and owner performing work; also the straight time and overtime hours worked each day for each week, the fringe benefits, and, the actual per diem wage paid to each owner, journey person, apprentice worker or other employee hired in connection with the public works project.

This requirement includes and applies to all subcontractors performing work on Awarding Body projects even if their portion of the work is less than one half of one percent (0.05%) of the total amount of the contract.

The certified payroll records shall contain the same data fields listed on the *Public Works Payroll Reporting Form (A-1-131)* and contain or is accompanied by a declaration made under penalty of perjury. (*California Code of Regulations, Section 16401*).

Prime Contractors are responsible for submittal of their payrolls and those of their respective subcontractors as one package. Any payroll not submitted in the proper form will be rejected. In the event that there has been no work performed during a

Checklist of Labor Law Requirements, continued

Given week, the certified payroll report shall be annotated: "No work" for that week or a Non-performance Statement must be submitted.

Employee payroll records shall be certified and shall be made available for inspection at all reasonable hours at the principal office of the contractor/subcontractor, or shall be furnished to any employee, or his/her authorized representative on request, pursuant to *Labor Code Section 1776*.

Under *Labor Code Section 1776(g)* there are penalties required for contractor's/subcontractor's failure to maintain and submit copies of certified payroll records on request.

☐ **Nondiscrimination in Employment**

There exist prohibitions against employment discrimination under *Labor Code Sections 1735 and 1777.6*, *The Government Code*, the *Public Contracts Code*, and *Title VII of the Civil Rights Act of 1964*.

☐ **Kickbacks Prohibited**

Contractors and subcontractors are prohibited from recapturing wages illegally by accepting or extracting "kickbacks" from employee wages under *Labor Code Section 1778*.

☐ **Acceptance of Fees Prohibited**

There exists a prohibition against contractor/subcontractor acceptance of fees for registering any person for public work under *Labor Code Section 1779*; or for filling work orders on public works contracts pursuant to *Labor Code Section 1780*.

☐ **Listing of Subcontractors**

All prime contractors are required to list properly all subcontractors hired to perform work on the public works projects covering more than one-half of one percent, pursuant to *Government Code Section 4104*.

☐ **Proper Licensing**

Contractors are required to be licensed properly and to require that all subcontractors be properly licensed. Penalties are required for employing workers while unlicensed under *Labor Code Section 1021* and under the California Contractor License Law found at *Business and Professions Code Section 7000 et seq.*

☐ **Unfair Competition Prohibited**

Contractors and sub-contractors are prohibited from engaging in unfair competition as specified under *Business and Professions Code Sections 17200 to 17208*.

☐ **Workers Compensation Insurance**

Labor Code Section 1861 requires that contractors and subcontractors be insured properly for Workers Compensation.

☐ **OSHA**

Contractors and subcontractors are required to abide by the Occupational, Safety and Health laws and regulations that apply to the particular construction project.

☐ **Proof of Eligibility/Citizenship**

The federal prohibition against hiring undocumented workers, and the requirement to secure proof of eligibility/citizenship from all workers, is required.

☐ **Itemized Wage Statement**

Labor Code Section 226 requires that employees be provided with itemized wage statements.

Certification

I acknowledge that I have been informed and am aware of the foregoing requirements and that I am authorized to make this certification on behalf of _____
(Company Name)

I fully understand that failure to comply with any of the above requirements may subject me, or my company, to penalties as provided above.

Contractor _____
(Signature) (Date)

Awarding Agency /Labor Compliance program _____
(Signature) (Date)

**Statement of Employer Payments
"Fringe Benefit Statement"**

In order that the proper Fringe Benefit rates can be verified when checking payrolls on the below contract, the hourly rates for fringe benefits, payment made for employees on the various classes of work are tabulated below. If you use other plans not listed above, you may use the next page to provide this additional information. **If the contributions are paid to the employee in cash**, please list the hourly amount in the corresponding category. Training Fund Contributions can never be paid to the employee directly.

Date _____ In _____ Reply, _____ Refer _____ to _____ Case _____ No.: _____
Prime: _____

Subcontractor: _____
PROJECTNAME: _____

PROJECT CONTRACT NO.: _____ County/location: _____

HEALTH AND WELFARE

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE			CONTRIBUTION PER CLASSIFICATION/ PER HOUR		
CONTRIBUTIONS	WEEKLY ☐	MONTHLY ☐	QUARTERLY ☐	ANNUALLY ☐	

PENSION

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE			CONTRIBUTION PER CLASSIFICATION/ PER HOUR		
CONTRIBUTIONS:	WEEKLY ☐	MONTHLY ☐	QUARTERLY ☐	ANNUALLY ☐	

VACATION/HOLIDAY

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE			CONTRIBUTION PER CLASSIFICATION/ PER HOUR		
CONTRIBUTIONS:	WEEKLY ☐	MONTHLY ☐	QUARTERLY ☐	ANNUALLY ☐	

TRAINING

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE			CONTRIBUTION PER CLASSIFICATION/ PER HOUR		
CONTRIBUTIONS:	WEEKLY ☐	MONTHLY ☐	QUARTERLY ☐	ANNUALLY ☐	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE	CONTRIBUTION PER CLASSIFICATION/PER HOUR
CONTRIBUTIONS: WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐ ANNUALLY ☐	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE	CONTRIBUTION PER CLASSIFICATION/PER HOUR
CONTRIBUTIONS: WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐ ANNUALLY ☐	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE	CONTRIBUTION PER CLASSIFICATION/PER HOUR
CONTRIBUTIONS: WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐ ANNUALLY ☐	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE	CONTRIBUTION PER CLASSIFICATION/PER HOUR
CONTRIBUTIONS: WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐ ANNUALLY ☐	

OTHER

NAME OF PLAN _____ Address, City, State, Zip _____

ADMINISTRATOR _____ Address, City, State, Zip _____

CLASSIFICATION(S) USED/EFFECTIVE DATE	CONTRIBUTION PER CLASSIFICATION/PER HOUR
CONTRIBUTIONS: WEEKLY ☐ MONTHLY ☐ QUARTERLY ☐ ANNUALLY ☐	

Types of Benefits Which Do Not Constitute Employer Payments:

The types of benefits for which an employer may not take a credit against its prevailing wage obligations include benefits such as the use of a cell phone or company vehicle, gas reimbursement, or a Christmas bonus.

“Employer Payments” Defined:

Labor Code §1773.1 defines Employer Payments to include all of the following

- (1) The rate of contribution irrevocably made by the employer to a trustee or third person pursuant to a plan, fund, or program.
- (2) The rate of actual costs to the employer reasonably anticipated in providing benefits to workers pursuant to an enforceable commitment to carry out a financially responsible plan or program communicated in writing to the workers affected
- (3) Payments to the California Apprenticeship Council pursuant to Section 1777.5.

It is not necessary that the Employer Payment satisfy all of these three conditions in order for the credit to be valid. It is sufficient that the Employer Payment satisfies any one of the specified conditions in order to be considered an Employer Payment for which a contractor is entitled to take a credit against its prevailing wage obligation.

Irrevocably Made to a Trustee or Third Person Pursuant to a Plan, Fund, or Program

Examples of these types of Employer Payments include contributions by a union signatory contractor to a labor- management affiliated pension, health & welfare, training, and vacation programs, contractor payments for health insurance premiums, contractor payments irrevocably made to a trustee or third party for pension benefits, and similar types of payments.

Employer Payments made to these types of plans must be made regularly

For enforcement purposes, the Division requires that payment be made no less than quarterly, which is consistent with the requirement under the Davis-Bacon Act and its implementing regulations. (29 C.F.R. § 5.5(a)(1)(i).)

Employer Payments Must Be Determined Separately for Each Worker

Credit against the prevailing wage obligation may be taken only toward the prevailing wage requirement for each applicable worker. Employers may not take credit for an individual worker based upon an average payment or contribution made on behalf of a group of workers. For a specific example demonstrating DLSE's method of converting a contractor's monthly or annual contributions to a typical benefit plan into an hourly wage equivalent to calculate the amount of credit available against the prevailing wages due to an individual worker, please refer to Section 4.2.6.4.1 of this Manual.

Vesting Does Not Normally Affect Right to Credit

Many pension plans, particularly union-affiliated pension plans, contain “vesting” requirements which, under the plan, require that the worker complete a certain length of service before the worker has a no forfeitable right to benefits under the plan. The existence of such vesting requirements does not affect the amount of credit an employer may take for such contributions, provided that the pension plan is a bona fide plan that meets the applicable requirements under ERISA, including the minimum vesting requirements. Under no circumstances, however, may the forfeited contributions revert to the employer.

Employer Payments That Are Reasonably Anticipated to Benefit Workers

Employer Payments that are not irrevocably made to a trustee or third person pursuant to a plan, fund, or program may still be valid as a credit against the prevailing wage obligation, provided that they meet all of the conditions set forth in Labor Code § 1773.1(b)(2). Such rate of actual costs for such plan or programs can be credited against the prevailing wage only if the plan or program:

- (1) Can be reasonably anticipated to provide benefits to workers;
- (2) Is pursuant to an enforceable commitment;
- (3) Is carried out under a financially responsible plan or program; and
- (4) Has been communicated to the worker affected

Example

The type of Employer Payments contemplated under § 1773.1(b)(2) may include certain vacation and holiday plans for which the employee accrues the benefit during the time worked on a public works project. Such payments must meet all the conditions set forth above. In addition, the credit may be taken only as to amounts

which are “actual payments.” (8 CCR § 16200(a)(3)(I).)

Payments to the California Apprenticeship Council

Employer Payments for which a contractor may take a credit against its prevailing wage obligations also include payments made to the CAC pursuant to Labor Code § 1777.5(m)(1). The amount of contribution is listed on the general prevailing wage determination for those crafts which are recognized by the Director of the DIR as an apprenticeable craft. Such amounts are typically listed in the general prevailing wage determination under the heading Training or similar type heading.

A contractor may take as a credit for payments to the CAC any amounts paid by the contractor to an approved apprenticeship program that can supply apprentices to the site of the public work project. (Labor Code § 1777.5(m)(1).)

Although such payments constitute part of the Total Hourly Rate required to be paid by the employer, such payments are not paid to the worker. Rather, such payments are made to either the CAC or the applicable approved apprenticeship program. The contractor may add the amount of the contributions in computing his or her bid for the public works contract. (Labor Code § 1777.5(m)(1).)

Exception - Non-Apprenticeable Crafts

For non-apprenticeable crafts, any training contributions should be paid to the worker as wages and not paid to the CAC. Some crafts are not identified on the Director’s wage determinations with a symbol (#) which indicates an apprenticeable craft. If that is the case, any training contribution listed in the general prevailing wage determination should be paid to the worker, or to the applicable training program, if the contractor is contractually obligated to make such payments under its collective bargaining agreement.

Annualization

Annualization is a principle adopted by the federal Department of Labor in enforcing the Davis-Bacon Act for crediting contributions made to fringe benefit plans based on effective rate of contributions for all hours worked during a year by an employee on both public (Davis-Bacon) and private (non-Davis-Bacon) projects. (Miree Construction v. Dole (11th Cir. 1991) 930 F.2d 1536, 1539.) California law requires that the credit for employer payments must be computed on an annualized basis where the employer seeks credit for employer payments that are higher for public works projects than for private construction performed by the same employer. (Labor Code § 1773.1(d).)

Exceptions:

Annualization is required except where one or more of the following occur:

- (1) The employer has an enforceable obligation to make the higher rate of payments on future private construction performed by the employer.
- (2) The higher rate of payments is required by a project labor agreement.
- (3) The payments are made to the CAC pursuant to Section 1777.5.
- (4) The director determines that annualization would not serve the purposes of this chapter.

The annualization principle requires that when converting an employer’s contribution to a pension or medical plan into an hourly amount, the amount of payments must be divided by the total number of hours worked in a year on all projects, public and private, not just the number of hours worked during that year on public projects. This method of calculation, the “annualization” principle, provides a means to permit an employer to take credit only for employer contributions paid to workers while employed on covered public works projects.

DLSE Annualization Calculation

For enforcement purposes, the DLSE follows the federal enforcement guidelines. See Department of Labor Field Enforcement Handbook – 6/29/90, Section 15f11. (See <http://www.dol.gov/whd/FOH/index.htm> to review the handbook.) Under the federal enforcement guidelines, where a contractor makes annual payments in advance to cover the coming year and actual hours will not be determinable until the close of that year, the total hours worked by the workers performing work covered by California’s prevailing wage laws, if any, for the preceding calendar year (or plan year) will be considered as representative of a normal work year for purposes of annualization.

Similarly, where the contractor pays monthly health insurance premiums in advance on a lump sum basis, the total actual hours worked in the previous month, or in the same month in the previous year, may be used to determine (i.e. estimate) the hourly equivalent credit per employee during the current month. It is not considered a violation if the contractor uses the full year equivalent of 2,080 (40 hours’ x 52 weeks) hours in determining the applicable credit unless, of course, the affected employee worked more than 2,080 hours in that applicable year.

Representative Period.

Any representative period may be utilized in such cases, provided the period selected is reasonable.

Employers using other methods to calculate the allowable credit have the burden of establishing that their method satisfies the annualization requirements set forth in Labor Code 1773.1(d).

Example:

An employee works as a carpenter where the basic hourly rate set forth in the wage determination for Carpenter is \$30 and the total employee benefit (Employer Payment) package is \$15, excluding the training contribution. Accordingly, the total hourly rate required to be paid under California's prevailing wage laws is \$45.

Where the employer provides the carpenter with medical insurance in the amount of \$4,800 per year, the employer would divide the total annual cost of the benefit by the total hours worked by the employee for the preceding year. The employer may also use 2,080 hours, which is the equivalent of full year employment to arrive at the allowable Employer Payment credit.

For instance, where the employer uses the equivalent of full year employment, or 2,080 hours, the applicable credit is as follows:

$(\$400 \times 12 \text{ months}) \text{ divided by } 2,080 \text{ hours} = \2.31 per hour.

If the worker in this example receives no other employee benefits which are recognized as bona fide Employer Payments under California law, then for each hour worked on a project covered by California's prevailing wage laws, the employer is entitled to take a credit of no more than \$2.31 against its obligation to pay the worker \$45 per hour, up to a maximum credit of \$4,800, which is the total amount paid for medical insurance. The difference between the \$15.00 per hour employer payment required under the applicable wage determination and the credit allowed for the provision of medical insurance must be paid to the worker as part of his or her hourly wage for work performed on the public works project.

If the worker works the entire year only on projects covered by California's prevailing wage laws, or under circumstances otherwise exempt under the exceptions set forth above in Labor Code § 1773.1(d)(1)-(4), the employer would be entitled to take the full credit of \$2.31 up to a maximum of \$4,800.

Conversely, if the worker worked only 1,500 hours of the year on projects covered by California's prevailing wage laws and 580 hours of the year on other jobs which are not covered by California's prevailing wage laws or are otherwise not exempted under Labor Code § 1773.1(d)(1)-(4), the employer would be entitled to take a credit of only \$2.31 per hour towards meeting the employer's obligation to pay the prevailing wage on the California public works projects. Therefore, although an employer may have paid \$4,800 in insurance premiums for that year, the employer is entitled to take a total annual credit of only \$3,465.00 ($1,500 \times \2.31) against its prevailing wage obligation because the employer may take the credit only for those hours worked on a public works project.

Payments to The California Apprenticeship Council Pursuant to Section 1777.5. As specified in Labor Code § 1771.3(d)(3), payments made to the CAC, or to an applicable approved apprenticeship program pursuant to Labor Code § 1777.5(m)(1), do not need to be annualized. For enforcement purposes, the Division takes the position that the exemption from the annualization requirements under section 1771.3(d)(3) is limited to the training contribution amounts set forth in the applicable general prevailing wage determination. Any amounts paid in excess of the amount set forth in the applicable general prevailing wage determination must be annualized unless otherwise exempt under section 1771.3(d).

Credit for Employer Payments

California prevailing wage law requires the payment of per diem wages, which includes two components. The first component is the Basic Hourly Rate. The second component is the Employer Payments. Taken together, these two components make up the Total Hourly Rate which must be paid to each worker for any work performed on a public works project.

Employer Payments Are a Credit Against the Obligation to Pay the General Prevailing Wage Rate of Per Diem Wages

Contractors obligated to pay prevailing wages may take credit for amounts up to the aggregate total of all benefits, such as pension, health & welfare, etc., listed as prevailing in the applicable wage determination. Contractors are not limited to the individual amounts specifically listed under the various categories of benefits specified in a wage determination in taking credit for providing Employer Payments. Rather, the contractor may take a credit for the aggregate total of permissible Employer Payments made on behalf of the affected worker. For example, the Director's current prevailing wage Determination (SC-3-5-1-2013-1) in Los Angeles County for the Craft of Asbestos Worker, Heat and Frost Insulator, in the Classification of Mechanic, reflects a Basic Hourly Rate \$32.79, with permissible Employer Payments of \$7.54 per hour (Health and Welfare), \$7.68 per hour (Pension), \$7.47 per hour (Vacation/Holiday), and one mandatory employer payment of \$0.64 per hour (Training), which must be paid to the California Apprenticeship Council ("CAC") or an approved apprenticeship program. The Sum of all these components (\$51.30) is the Total Hourly Rate listed on the Determination. The aggregate total of permissible Employer Payments is \$22.87. The permissible Employer Payment amounts listed here typically reflect the particular hourly benefit rates found in a collective bargaining agreement which the Director determined had established the prevailing rate for this craft and classification of work in this geographic area. Absent contractual obligations which may apply to a particular contractor, the total of \$22.87 per hour may be paid by an employer in full or in part to any category of permissible Employer Payments, and the employer will be entitled to credit against the total prevailing wage obligation. Thus, an employer may choose to contribute \$20 of the aggregate total to a private medical insurance plan or a pension plan for its workers and pay the remainder of \$2.87 directly to the workers. Full credit will be to that employer for the medical insurance payments, and all of the payments added together (\$35.66 to workers + \$20.00 to medical plan + \$0.64 to CAC = \$51.30) would reflect compliance by this employer with the prevailing wage rate obligation. (WSB Electric, Inc. v. Curry (9th Cir. 1996) 88 F.3d 788.) This credit may be taken only as to amounts which are actual payments. (8 Cal. Code of Regs. § 16200(a)(3)(I).) No credit may be taken for benefits required to be provided by other state or federal law. (Labor Code § 1773.1(c).) For instance, a contractor may not take a credit against its prevailing wage obligations for benefits such as workers' compensation, unemployment benefits, and social security and Medicare contributions.

No Reduction of the Basic Hourly Rate

California law prohibits the use of credits for Employer Payments to reduce the obligation to pay the hourly straight time or overtime wages specified as the Basic Hourly Rate in the general prevailing wage determination. (Labor Code § 1773.1(c) and 8 Cal. Code of Regs. § 16200(a)(3)(I).) Two legislatively created exceptions to this general rule are now found at Labor Code section 1773.1(c) and section 1773.8. Both exceptions are extremely limited in scope and are only applicable to increases in employer payment contributions made pursuant to criteria set forth in a collective bargaining agreement ("CBA"), and only if the specific statutory conditions listed in the Labor Code have been met. DLSE investigators will typically require a contractor claiming an exception under these sections to submit satisfactory evidence that the exception applies, including, but not limited to, a certified copy of the CBA upon which the exception is based, and to certify that the CBA's terms applied to the workers identified on the contractor's certified payroll records.

Example:

Basic Hourly Rate	\$ 25.00
Employer Payments	\$ 15.00
Total Hourly Rate	\$ 40.00

The contractor can comply with California prevailing wage laws by paying:

1. \$40.00 per hour in wages;
2. \$25.00 per hour in wages plus \$15.00 in Employer Payments.

3. Any combination of the wages and Employer Payments so long as the Basic Hourly Rate is not less than \$25.00 per hour and the Total Hourly Rate meets or exceeds \$40.00 per hour.

Different for Purely Federal Projects Under Davis-Bacon Act

The California law restricting the reduction of the Basic Hourly Rate is distinct from the federal prevailing wage laws under the Davis-Bacon Act. The Davis-Bacon Act does not prohibit the crediting of employer payments or benefit contributions towards fulfilling the hourly wage rate listed in the contract wage determination on federally funded projects. Contractors performing work on projects which are governed by both the federal Davis-Bacon Act and the California prevailing wage requirements must, however, continue to comply with state requirements in order to be in compliance with California law. DLSE investigators may encounter this issue when dealing with contractors on public works projects which have mixed funding (both federal and state) or federally funded projects which are controlled or carried out by California awarding bodies of any sort. In both of these situations, the application of state prevailing wage rates when higher is required. (See 8 CCR § 16001(b).)

Application to All Hours Worked

Employer Payments must be paid for all hours worked, including overtime hours, unless expressly provided otherwise in the general prevailing wage determination. The general prevailing wage determinations specify the applicable daily, Saturday, Sunday, and Holiday overtime payment. Although the applicable overtime rates set forth in the determination include the Employer Payments, the overtime rate (for example, time and one half) is based upon the Basic Hourly Rate only. The Employer Payment is therefore excluded from calculating the applicable overtime premium due as overtime compensation.

Example:

An employee worked 12 hours in the workday as an Iron \$22.00 in Employer Payments. The overtime rate for the first 2 daily overtime hours is \$48.00 (one and one half (1½) times the Basic Hourly Rate of \$32.00, or \$32.00 + \$16.00). The wages due for each overtime hour is \$70.00 (the overtime rate plus Employer Payments, or \$48.00 + \$22.00). The wages due per hour for all other overtime is \$86.00 (two (2) times the Basic Hourly Rate plus Employer Payments, or \$64.00 + \$22.00).

The worker would be due.

8 Hours at	\$54.00 (\$32.00 + \$22.00)	\$432.00
2 Hours at	\$70.00	\$140.00
2 Hours at	\$86.00	\$172.00
Total Wages Due		\$744.00*

* This example is for illustration purposes. The general prevailing wage determinations specify the applicable Total Hourly Rates that must be paid to workers for straight time, overtime, Saturday and Sunday work, and there is no need for contractors to independently determine the hourly amount to be paid.

Types of Employer Payments for Which an Employer May Take a Credit Against Its Prevailing Wage Obligations.

The types of employee benefits recognized as Employer Payments under Labor Code § 1773.1 include payments for:

- (1) Health and welfare.
- (2) Pension.
- (3) Vacation.
- (4) Travel.
- (5) Subsistence.
- (6) Apprenticeship or other training programs authorized by Section 3093, so long as the cost of training is reasonably related to the amount of the contributions.
- (7) Worker protection and assistance programs or committees established under the federal Labor Management Cooperation Act of 1978 (Section 175a of Title 29 of the United States Code) to the extent that the activities of the programs or committees are directed to the monitoring and enforcement of laws related to public works.
- (8) Industry advancement and collective bargaining agreements administrative fees, provided that these payments are required under a collective bargaining agreement pertaining to the particular craft, classification, or type of work within the locality or the nearest labor market area at issue.
- (9) Other purposes similar to those specified in paragraphs (1) to (8), inclusive.

How to Fill out the DAS 140 Correctly:

If the total dollar value of a project exceeds \$30,000, apprentice must be requested. The DAS-140 form is to be forwarded directly to an apprenticeship committee of the contractor's choice, and a copy with verification of proof of submission uploaded into SDCRAA Labor Compliance Departments electronic system; LCP Tracker.

Submit the contract award information in writing to **each** of the apprenticeship program sponsors **in the locality** of your public works project within **10 days** of the prime execution of the contract or subcontract, **but in no event later than the first day in which the contractor has workers employed on the project.**

The DAS140 is simply a "notification of award" and is not automatically a request for dispatch of a registered apprentice.

State regulations state a contractor on a public works project must employ one (1) hour of apprentice work for every five (5) hours performed by a journeyman. ***Please follow up with the selected apprenticeship committee to confirm 'Apprentice' to 'Journeyman' ratio, as ratios do vary from trade to trade.***

All contractors must request 'dispatch of an apprentice' from an apprenticeship program (for each apprentice- able craft or trade) by giving the program notice of a minimum of 72 hours (business days only) before the date on which apprentices are required. Contractors who are not already participating in an approved program and who did not receive a sufficient number of apprentices from their initial request, must dispatch apprentices from all other apprenticeship committees within the locality, if more than one exists in the area of the public works project.

What are the differences between box 1, 2, and 3 at the bottom of the DAS 140?

- **Box 1** is for contractors who are already approved to train by an apprenticeship program (signatory/member).
- **Box 2** indicates that a contractor is willing to comply with a program's Standards for the current project only. This generally means that the fringe benefits and the training funds will be paid to that Committee's Trust Fund. It also allows a contractor to take advantage of a more generous maximum ratio than the CAC Standards, but does not affect the minimum ratio of 1 apprentice hour for every 5 journeyman hours.
- **Box 3** means that a contractor will be governed by the regulations of the California Apprenticeship Council. Generally, this means that the minimum and maximum ratio for apprentices is the same – 1 apprentice hour for every 5 journeyman hours per each craft, totaled at the end of the project. It also means the Training Fund Contribution is usually paid to the California Apprenticeship Council.

SELECTING BOXES:

1. Contractor has a signed "**Agreement to Train Apprentice**" with an affiliated (state certified) apprenticeship committee, the contractor has apprentices **on staff** and has the ability to train apprentices.
 - a. **Must provide a copy of the DAS7 agreement for verification OR a letter from the JATC or UNION stating that the contractor is approved to train apprentices.**
2. Contractor is not currently affiliated with a state approved program, is selecting a committee, and requesting apprentice; will be abiding by **committee's** standards.
3. Contractor will contact a committee and request an apprentice but is not obligating to maintain affiliation w/any-one committee; additionally, contractor will not commit to selected program committee standards but will follow **state standards** (most commonly used for out-of-state contractors).
 - a. Per the DAS, this is not the preferred selection; however, the State **is not requiring** a contractor to join a program, just ensuring that apprentices are utilized on Public Work Projects.

PUBLIC WORKS CONTRACT AWARD INFORMATION

Contract award information must be sent to your Apprenticeship Committee if you are approved to train. If you are not approved to train, you must send the information (which may be this form) to ALL applicable Apprenticeship Committees in your craft or trade in the area of the site of the public work. Go to: <http://www.dir.ca.gov/das/PublicWorksForms.htm> for information about programs in your area and trade. You may also consult your local Division of Apprenticeship Standards (DAS) office whose telephone number may be found in your local directory under California, State of, Industrial Relations, Division of Apprenticeship Standards.

Do not send this form to the Division of Apprenticeship Standards.

NAME OF YOUR COMPANY	CONTRACTOR'S STATE LICENSE NO
MAILING ADDRESS- NUMBER & STREET, CITY, ZIP CODE	AREA CODE & TELEPHONE NO.
NAME & ADDRESS OF PUBLIC WORKS PROJECT	DATE YOUR CONTRACT EXECUTED
	DATE OF EXPECTED OR ACTUAL START OF PROJECT
NAME & ADDRESS OF PUBLIC AGENCY AWARDED CONTRACT	ESTIMATED NUMBER OF JOURNEYMEN HOURS
	OCCUPATION OF APPRENTICE
THIS FORM IS BEING SENT TO: (NAME & ADDRESS OF APPRENTICESHIP PROGRAM(S))	ESTIMATED NUMBER OF APPRENTICE HOURS
	APPROXIMATE DATES TO BE EMPLOYED

This is not a request for dispatch of apprentices.

Contractors must make a separate request for actual dispatch, in accordance with Section 230.1(a) California Code of Regulations

Check One Of The Boxes Below

1. ☐ We are already approved to train apprentices by the _____
Apprenticeship Committee. We will employ and train under their Standards. Enter name of the Committee
2. ☐ We will comply with the standards of _____
Apprenticeship Committee for the duration of this job only. Enter name of the Committee
3. ☐ We will employ and train apprentices in accordance with the California Apprenticeship Council regulations, including § 230.1 (c) which requires that apprentices employed on public projects can only be assigned to perform work of the craft or trade to which the apprentice is registered and that the apprentices must at all times work with or under the direct supervision of journeyman/men.

Signature

Date

Typed Name

Title

**State of California-Department of Industrial Relations DIVISION
OF APPRENTICESHIP STANDARDS**

AGREEMENT TO TRAIN APPRENTICE

District No.

DAS File No.

NAME OF EMPLOYER				
MAILING ADDRESS (STREET AND NUMBER)	CITY	STATE	ZIP CODE	TELEPHONE NUMBER
ADDRESS OF TRAINING LOCATION (IF DIFFERENT)				
OCCUPATION(S)				O*Net Code
NAME OF APPRENTICESHIP COMMITTEE AND STANDARDS				
AREA COVERED BY APPRENTICESHIP STANDARDS or NAME AND ADDRESS OF PROJECT				

THE OFFICIAL, whose signature follows, agrees on behalf of the above-named employer to train apprentices in the designated occupation in accordance with the apprenticeship standards and apprentice agreement and to comply with the provisions thereof.

[SIGNED] By

Printedname

Title Date

THE APPRENTICESHIP COMMITTEE accepts and approves the employer as qualified to train apprentices under its standards in the designated occupation.

[SIGNED] By

Printedname

Title Date

Accepted:
DIVISION OF APPRENTICESHIP STANDARDS

Effectiveuntil:

☐ Revoked

☐ End of Project (Enter project name and address in Area Covered above)

☐ Date
Date

☐ Other
Specify

EFFECTIVE DATE

[SIGNED] By Date

Apprenticeship Consultant

REMARKS:

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF APPRENTICESHIP STANDARDS

AGREEMENT TO TRAIN APPRENTICES

District No. _____

DAS File No. _____

NAME OF EMPLOYER				
MAILING ADDRESS (STREET AND NUMBER)	CITY	STATE	ZIP CODE	TELEPHONE NUMBER
ADDRESS OF TRAINING LOCATION (IF DIFFERENT)				
OCCUPATION(S)			O'Net Code	
NAME OF APPRENTICESHIP COMMITTEE AND STANDARDS				
AREA COVERED BY APPRENTICESHIP STANDARDS or NAME AND ADDRESS OF PROJECT				

THE OFFICIAL, whose signature follows, agrees on behalf of the above named employer to train apprentices in the designated occupation in accordance with the apprenticeship standards and apprentice agreement and to comply with the provisions thereof.

[SIGNED] By _____

Printed name _____

Title _____ Date _____

THE APPRENTICESHIP COMMITTEE accepts and approves the employer as qualified to train apprentices under its standards in the designated occupation.

[SIGNED] By _____

Printed name _____

Title _____ Date _____

Accepted:

DIVISION OF APPRENTICESHIP STANDARDS

Effective until:

☐ Revoked

☐ End of Project (Enter project name and address in Area Covered above)

☐ Date _____ Date _____

☐ Other _____ Specify _____

EFFECTIVE DATE

[SIGNED] By _____ Date _____

Apprenticeship Consultant

REMARKS:

MUST be signed by both Committee and DAS prior to submission

STATE OF CALIFORNIA
DEPARTMENT OF INDUSTRIAL RELATIONS
DIVISION OF APPRENTICESHIP STANDARDS

D. O.	FILE NUMBER

A	B	C	D	E	Official Use
Gender	Ethnic	Dependents	Education	Yrs Employ	STATUS



State of California -- Department of Industrial Relations --DIVISION OF APPRENTICESHIP STANDARDS

APPRENTICE AGREEMENT

APPRENTICE LAST NAME, FIRST NAME MIDDLE		SOCIAL SECURITY NUMBER	
APPRENTICE ADDRESS (NUMBER AND STREET / CITY, STATE & ZIP)		BIRTHDATE (mm/dd/yyyy)	F - VETERAN Yes: ☐ No: ☐
COUNTY OF RESIDENCE			
OCCUPATION		O*Net code	
TERM OF APPRENTICESHIP Hours Within Years		STRAIGHT TIME Hours per day: 8 Hours per week: 40	

This agreement is between the above-named apprentice employed by the below named employer, and

PROGRAM SPONSOR

AGREEMENT: The undersigned parties mutually agree that they will use their best endeavors to secure employment and training for the apprentice. The apprentice agrees to perform satisfactorily all work and learning assignments. The provisions of the Apprenticeship Standards for the above occupation adopted by the program sponsor and approved by the Chief of the Division of Apprenticeship Standards are hereby made a part of this agreement. An official copy of the standards is on file in the headquarters of the Division of Apprenticeship Standards. This apprentice agreement will continue in effect until the training is completed or otherwise terminated in accordance with the standards.

The apprentice commences participation under these standards on the date of execution of this agreement by the Apprentice. The signatory apprentice is credited with having _____ months toward completion of the term of apprenticeship. The apprentice is expected to complete training on or about _____, 20____, upon satisfactory completion of the total remaining hours of on-the-job training and hours and/or units of related and supplemental instruction.

APPRENTICE: I, the undersigned apprentice, understand and agree that there is a valid and reasonable necessity that those academic records accumulated throughout related and supplemental instruction during my period of apprenticeship be made available to the apprenticeship committee. Further, I agree to release to the apprenticeship committee any other academic records which I feel may enhance my status as an apprentice.

I, the undersigned apprentice, hereby request that the Administrator of Apprenticeship terminate any other apprenticeship agreements in which I am currently registered.

Executed this _____ day of _____, 20____ by _____
DAY MONTH YEAR SIGNATURE OF APPRENTICE

AGREED TO BY THE EMPLOYER

SIGNATURE OF PARENT OR GUARDIAN (IF APPRENTICE IS 16 OR 17)

AGREED TO AND APPROVED BY, FOR THE COMMITTEE

SIGNATURE OF EMPLOYER OR ITS REPRESENTATIVE TITLE

NAME OF EMPLOYER
ADDRESS

SIGNATURE -- SECRETARY / CHAIR / COORDINATOR DATE

ACCEPTED BY DAS

SIGNATURE -- APPRENTICESHIP CONSULTANT DATE

for unilateral programs only]

This agreement is approved by _____

for the Administrator of Apprenticeship

TO THE APPRENTICE: California Civil Code Sec. 1798.17 requires State agencies which collect personal information to indicate the authority under which the data are requested. If personal information not specifically authorized by law is requested, individuals must be informed that supplying the information is voluntary. It also provides that state agencies may change or modify records at the request of the individual.

Questions C and E below are voluntary. All others are authorized by law, as indicated by the reference in each section. If the authorized questions are not answered, the apprentice agreement cannot be accepted.

The Division hopes, through collection of this data, to improve the apprenticeship program both for those presently enrolled and for future apprentices. Thank you.

CALIFORNIA APPRENTICE QUESTIONNAIRE

(USE INK OR BALLPOINT PEN)

A. Gender

☐ Male ☐ Female

(Cal. Code of Regulations, Title 8, Ch. 2, Sec. 215)

B. Ethnic or Race Derivation (Check only one)

1 ☐ **WHITE (Not of Hispanic Origin)** -- A person having origins in any of the original peoples of Europe, North Africa or the Middle East.

2 ☐ **BLACK (Not of Hispanic Origin)** -- A person having origins in any of the Black racial groups of Africa.

ASIAN OR PACIFIC ISLANDER -- A person having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent or the Pacific Islands. The area includes, for example, China, Japan, Korea and Samoa.

A ☐ Asian Asian Indian

B ☐ Asian Bangladeshi

C ☐ Asian Chinese

D ☐ Asian Cambodian

6 ☐ Asian Filipino

E ☐ Asian Hmong

I ☐ Asian Indonesian

J ☐ Asian Japanese

K ☐ Asian Korean

L ☐ Asian Laotian

M ☐ Asian Malaysian

P ☐ Asian Pakistani

R ☐ Asian Sri Lankan

T ☐ Asian Taiwanese

U ☐ Asian Thai

V ☐ Asian Vietnamese

F ☐ Native Hawaiian Fijian

G ☐ Native Hawaiian Guamanian

H ☐ Native Hawaiian Hawaiian

S ☐ Native Hawaiian Samoan

W ☐ Native Hawaiian Tongan

4 ☐ **AMERICAN INDIAN OR ALASKAN NATIVE** -- A person having origins in any of the original peoples of North America, and who maintains cultural identification through tribal affiliation or community recognition.

☐ **HISPANIC** -- A person of Mexican, Puerto Rican, Cuban, South Central American or other Spanish culture or origin, regardless

C. Number of Dependents (Do not count yourself)

0 ☐ None 4 ☐ Four

1 ☐ One 5 ☐ Five

2 ☐ Two 6 ☐ Six or More

3 ☐ Three

D. Highest Year of Education Completed

1 ☐ 8th Grade or less 6 ☐ 1 Year of College

2 ☐ 9th Grade 7 ☐ 2 Years of College

3 ☐ 10th Grade 8 ☐ 3 Years of College

4 ☐ 11th Grade 9 ☐ 4 or more Years of College

5 ☐ 12th Grade (or GED Certificate)

(Cal Labor Code Ch. 4 div. 3, Sec. 3076.3)

E. Number of Years You Have Been Employed Full Time to Date (Except for Military Service)

0 ☐ None

1 ☐ Less Than 1 Year

2 ☐ 1 But Less Than 2 Years

3 ☐ 2 But Less Than 3 Years

4 ☐ 3 But Less Than 4 Years

5 ☐ 4 But Less Than 5 Years

6 ☐ 5 Years or More

F. Have You Served on Active Duty (other than reserve status) in the U. S. Armed Forces?

☐ Yes ☐ No

If yes, Please Enter:

Month and Year Entered _

Month and Year Separated _

Total Months served on Active Duty _____

Apprentice's Signature _____

REQUEST FOR DISPATCH OF AN APPRENTICE – DAS 142 FORM

DO NOT SEND THIS FORM TO DAS

You may use this form to request dispatch of an apprentice from the Apprenticeship Committee in the craft or trade in the area of the public work. Go to: <http://www.dir.ca.gov/databases/das/pwaddrstart.asp> for information about programs in your area and trade. You may also consult your local Division Apprenticeship Standards (DAS) office whose telephone number may be found in your local directory under California, State of, Industrial Relations, Division of Apprenticeship Standards. **Except for projects with less than 40 hours of journeyman work, you must request and employ apprentices in no less than 8 hour increments.**

Date: _____

Contractor Requesting Dispatch:

To Applicable Apprenticeship Committee:

Name: _____

Name: _____

Address: _____

Address: _____

License No. _____

Tel. No. _____ Fax No. _____

Tel. No. _____ Fax No. _____

Project Information:

Contract No. _____

Name _____ of _____ the _____ Project: _____

Address: _____

Dispatch Request Information:

Number of Apprentice(s) Needed: _____ Craft or Trade: _____

Date Apprentice(s) to Report: _____ (72 hrs. notice required) Time to Report: _____

Name of Person to Report to: _____

Address to Report to: _____

*You may use this form to make your written request for the dispatch of an apprentice. Requests for dispatch must be in writing and submitted at least 72 hours in advance (excluding weekends and holidays) via first class mail, fax or email. **Proof of submission may be required.** Please take note of California Code of Regulations, Title 8, § 230.1 (a) for all applicable requirements regarding apprenticeship requests and/or visit <http://www.dir.ca.gov/DAS/DASApprenticesOnPublicWorksSummaryOfRequirements.htm>*

DAS 142 (Revised 04/14)

-



Documents Required During the Life of the Construction Project

1. CAC-2- Training Fund Contribution Form:

- a) All Contractors must submit a CAC-2 Form monthly for the prior month's hours.
- b) This form is now available to be filled out on the DIR website. The previous CAC- 2 form is to be disregarded. CAC-2 forms **must** be done electronically. The link is as follow:
<https://www.dir.ca.gov/das/tf/cac2.asp>. You must enter all requested information in order to ensure successful submission and processing of your payment. You will need to have a working printer currently connected to your computer in order to print the complete paper form in the end of this session that you will upload in to LCPtracker.net and send with your payment when mailed. The address is as follows:

**State of California
Department of Industrial Relations California
Apprenticeship Council
P.O. Box 511283
Los Angeles, CA 90051-7838**

- c) If applicable and fringes are paid directly to an approved JATC or Union Shop, please state so and fill out on the Training Fund Contribution Union Contractor form that is provided and available to be downloaded on LCPtracker. Filled out forms are uploaded into LCPtracker.net under the e- Documents tab.

2. Training Fund Contribution Letter Form:

- a) All Contractors must submit a Training Fund Contribution Letter monthly for the prior month's hours.
- b) If applicable and fringes are paid directly to an approved Union Shop, please submit the Union Status Letter stating that the Contractor is up to date with all fringe and training fund contributions for the requested month. The letter should specify the month, project name, and project number.
- c) If you can't provide a letter and the DAS has not been updated with your contribution at Contractor may provide a copy of a **cancelled** check submitted to the proper JATC or the DAS with the amount that matches that on the CAC-2. You may check the status of your contributions submitted to DAS online at: <http://www.dir.ca.gov/CAC/trainingfund/Tfsearch.html>. This may also be submitted in lieu of the Training Fund Contribution Letter.

3. Certified Payroll Reports CPR's and/or Non-Performance Reports:

- a) To be submitted by all Contractors working on the project to the City of Sacramento and the Department of Industrial Relations Electronic Certified Payroll Records site.
- b) The reports submitted to the City of Sacramento are submitted through the contracted electronic reporting program, LCPtracker.net, which can be found online at www.lcptracker.net. If you don't already have a user name and password for this website, please contact your labor compliance officer with the City of Sacramento to be set up.
- c) The Electronic Certified Payroll Records for Contractors can be found at the following link: <https://apps.dir.ca.gov/ecpr/DAS/AltLogin>
- d) Submit CPR/NPR weekly; starting (10) calendar days after the close of your pay period. This is when you begin onsite/offsite "craft" labor. This may mean you have weeks in between work on a particular job. NPR's will need to be submitted for that timeframe.

4. Apprenticeship Certification and/or Apprentice Agreement:

- a) The first time an apprentice is listed on a certified payroll report an "Apprenticeship Certification" or Apprentice Agreement (DAS-1 form) must be submitted for each apprentice utilized.
- b) Please upload the Apprenticeship Certification or DAS-1 form in the e- Documents section of LCPtracker.net, add the apprentice ID and pertinent information under the employee information and notify the labor compliance officer in your department that approval is need prior to certification of payroll.

5. Miscellaneous Documents:

- a) Authorization for Deductions:
 - i. Voluntary deductions require an Authorization for Deductions form; garnishments require a copy of notice (redact personal information). A form has been provided on LCPtracker to address other deductions that are recorded on the Certified Payroll Reports submitted.
- b) Receipt for Payment of Back Wages:
 - i. For use when wage errors require supplemental wage payment (s).

0 CAC - Training Fund Contributions

You must enter all requested information in order to ensure successful submission and processing of your payment.
Training Fund Contributions are due on the 15th of each month.

All fields with * are required

If there is no work for a particular month you do not need to submit a CAC2 form with zero amount for that month.

You must use the **BUTTON** on the bottom of the page to submit for an invoice coupon

TO NAVIGATE BETWEEN FIELDS, DO NOT HIT RETURN OR ENTER KEY AFTER EACH ENTRY USE THE TAB KEY INSTEAD

You need to have a working printer currently connected to your computer in order to **print** the complete paper form in the end of this session so that you can mail it with your payment

Training Fund Contributions Form CAC2

Date: S/17/2016

CLEAR FORM

Contractor/Sub Contractor making contributions	Contractor	Period covered by contribution (from-to)	Jobsite Location (including County)
* Name:	* License Number	* Period Start	If applicable, give name of school, hospital, building, etc
* Address:	* Contract/Project Number	* Period End:	Comments
City:		(MM/DD/YYYY)	



* Name of the submitting party:	* Submitter's Title:	* Submitter's Email:	* Submitter's Phone:
			e.g., (999) 999-9999

Instructions: You may want to use the keyboard TAB key to navigate the fields and the Up fl | Down V ARROW keys to select a list item

	* County of Work	* Classification	* Hours (min.: 0.5; max: 9 999.99)	* Rate (min.: 0.01; max: \$9.99)	Amount
*1)	Select a county	Select an occupation			\$ 0.00
2)	Select a county	Select an occupation		\$	\$ 0.00
3)	Select a county	Select an occupation		\$	\$ 0.00
4)	Select a county	Select an occupation		\$	\$ 0.00
5)	Select a county	Select an occupation		\$	\$ 0.00
6)	Select a county	Select an occupation		\$	\$ 0.00
7)	Select a county	Select an occupation		\$	\$ 0.00
8)	Select a county	Select an occupation		\$	\$ 0.00
9)	Select a county	Select an occupation		\$	\$ 0.00
10)	Select a county	Select an occupation		\$	\$ 0.00
11)	Select a county	Select an occupation		\$	\$ 0.00
12)	Select a county	Select an occupation		\$	\$ 0.00
13)	Select a county	Select an occupation		\$	\$ 0.00
14)	Select a county	Select an occupation		\$	\$ 0.00
15)	Select a county	Select an occupation		\$	\$ 0.00
16)	Select a county	Select an occupation		\$	\$ 0.00
17)	Select a county	Select an occupation		\$	\$ 0.00
18)	Select a county	Select an occupation		\$	\$ 0.00
19)	Select a county	Select an occupation		\$	\$ 0.00
20)	Select a county	Select an occupation		\$	\$ 0.00

Footnote 1 - If you are unable to locate the occupation in the pull down menu, please click on this link:
<http://www.d1r.ca.gov/databases/das/pwaddrstart.asp> for specific information assistance.

TOTAL AMOUNT: \$ 0.00

When done with some or all the entries above, please carefully review and then enter the green code you see below:

33376

[Calculate Total Amount](#)

The electronic submission of the CAC-2 Form is to be used in place of the previous CAC-2 Form that was submitted on LCPtracker. This form can be retrieved at: <https://www.dir.ca.gov/das/tf/cac2.asp>. You need to have a working printer currently connected to your computer in order to print the complete paper form in the end of this session so that you can mail it with your payment. Payments are to be mailed to State of California, Department of Industrial Relations, California Apprenticeship Council, and P.O. Box 511283, Los Angeles, CA 90051-7838



Please use a separate form for each jobsite, listing the occupations for the jobsite and dollar amount paid for each classification. Once checks have been sent to the appropriate JATC please upload this form to LCPtracker under the e-Documents tab. A letter from the specific JATC or Union specifying that the required Training fund contributions and Fringe Benefits were paid will be accepted as proof of payment.

TRAINING FUND CONTRIBUTIONS VERIFICATION FORM UNION CONTRACTORS

****Training Fund Contributions are due on the 15th of each month****

PLEASE TYPE OR PRINT IN BLACK OR BLUE INK. ALL FIELDS MUST BE FILLED IN TO ENSURE COMPLETION OF LABOR COMPLIANCE REQUIREMENTS.

NAME AND ADDRESS OF CONTRACTOR/SUB CONTRACTOR MAKING CONTRIBUTION	CONTRACTOR'S LICENSE NUMBER
NAME AND ADDRESS OF PUBLIC AGENCY AWARDING CONTRACT	CONTRACT OR PROJECT NUMBER
	JOBSITE LOCATION (INCLUDE COUNTY) IF APPLICABLE - GIVE NAME OF SCHOOL, HOSPITAL, BUILDING, etc.
	PERIOD COVERED BY CONTRIBUTION (FROM - TO)
CLASSIFICATIONS OF WORKERS (CARPENTER, PLUMBER, ELECTRICIAN, ETC).	COUNTY WORK PERFORMED IN
	ALL HOURS
	CONTRIBUTION RATE PER HOUR
	AMOUNT
TOTAL	
IF APPRENTICES WERE EMPLOYED, PLEASE LIST THE APPRENTICESHIP PROGRAM AND NUMBER OF APPRENTICE HOURS WORKED	
TYPE OR PRINT YOUR NAME AND TITLE	DATE
EMAIL	AREA CODE & TELEPHONE NUMBER

AUTHORIZATION FOR PAYROLL DEDUCTION

Project Name:

Project Number:

Employee Name:

- | | | | | |
|-----------|---------------------------------|---|----------------|------------|
| 1) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |
| 2) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |
| 3) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |
| 4) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |
| 5) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |
| 6) | Reason for Deduction: | | | |
| | Percentage/Amount of Deduction: | % | OR \$\$ | Start Date |
| | Frequency of Deduction: | | | |
| | Termination Date: | | | |

Use additional copies of this form if necessary.

I authorize (Employer):
to process the deductions from my payroll as noted above.

Employee Signature: _____ Date Signed: _____

Instructions:

- 1) Submit into LCPtracker
- 2) Keep signed originals



Contractors Certificate of Completion – Form 264

To be completed by the Prime Contractor at time of completion.

Project Name & Number	
Contractor Name	

I, _____ (Name), _____ (Title) of _____
_____ (Company Name), declare under penalty of perjury that:

I know of my personal knowledge, and do hereby certify, that the work of the contract described above has been performed, and materials used and installed in every particular, in accordance with, and in conformity to, the contract drawings and specifications.

The contract work is now complete in all parts and requirements, and ready for your final inspection.

I understand that neither the determination by the Engineer-Architect that the work is complete, nor the acceptance thereof by the City, shall operate as a bar to claim against the Contractor under the terms of the guarantee provision of the contract documents.

Executed this _____ day of _____, 20____, at _____, California.

Signature

Title

Date



Checklist of Documents Required for Labor Compliance on LCPtracker.net

- ✓ **PW300** - This is due and needs to be uploaded prior to start of work. If any changes are made or substitution of sub-contractors are approved a new form should be uploaded and Labor Compliance should be notified.
- ✓ **Authorization Letter for Signing Certified Payroll** - This is due prior to the submission of the first Certified Payroll Report and must be signed.
- ✓ **Checklist of Labor Law Requirements** - prime due this on or before starting the start of work on the jobsite, subs need to have this finished prior to starting work on the job. All boxes must be checked, and it must be signed.
- ✓ **Fringe Benefit Statement** - due with first CPR and must be submitted for each subcontractor as well. ALL FRINGES TO BE REPORTED WITH HOURLY AMOUNT.
- ✓ **DAS140** - due prior to commencing work on a project (one for each determination)
- ✓ **DAS142** - due 72 hours prior to the report date on a project (one for each determination)
- ✓ **CAC2** - due monthly- one for each determination (due on the 15th day of the month for work performed during the preceding month) If Union Contractor please upload for with amounts paid and where money was paid to even if it is not the CAC.
- ✓ **Training Fund Contribution Confirmation Letter** – this is due monthly for the duration of the project. Both CAC-2 and Training Fund Contribution Letters are to be uploaded to LCPtracker.net.
- ✓ **CPR's**- Certified payroll is due within 10 days of pay period end date

LCPtracker.net phone support is available via live chat through their website, by phone at (714) 669-0052 Option 4 (if they do not pick up please leave a message and they will get back to you. All calls are logged in with a date and time, but if you don't leave a message you will not get a phone call back) and by **E-mail at support@lcptracker.com**. To assist those at support please include your User ID, a direct call back number, contact name and a brief description of the issue you are facing.

All forms are available under the e-Documents tab on LCPtracker. It is best practice to use the forms that have been provided to you under that e-docs tab to increase efficiency in processing pay request and remain compliant.



Helpful Links and Contact Information

- **Department of Industrial Relations (DIR):**
 - Web-Link: <http://www.dir.ca.gov/>
 - Contact DIR: <http://www.dir.ca.gov/Contactus.html>
- **Division of Labor Standards Enforcement (DLSE):**
 - Web-Link: <http://www.dir.ca.gov/dlse/dlsepublicworks.html>
- **Division of Apprenticeship Standards (DAS):**
 - Web-Link: <http://www.dir.ca.gov/das/das.html>
- **Apprentice Certification:**
 - Web-Link: <http://www.dir.ca.gov/das/appcertpw/AppCertSearch.asp>
- **CAC Public Works Training Fund Contributions:**
 - Web-Link: <http://www.dir.ca.gov/CAC/trainingfund/Tfsearch.html>
- **California General Prevailing Wage Determination:**
 - Web-Link: <http://www.dir.ca.gov/OPRL/pwd/> (Journeyman)
 - <http://www.dir.ca.gov/OPRL/PWAppWage/PWAppWageStart.asp> (Apprentice)
- **Davis Bacon Wage Determination Rates:**
 - Web-Link: <http://www.wdol.gov/dba.aspx>
- **Public Works Information- Frequently Asked Questions:**
 - Web-Link: <http://www.dir.ca.gov/das/publicworksfaq.html>
- **LCPtracker.net**
 - Web-link: <https://lcpprod.lcptracker.net/Lcp/WebForms/Login.aspx>
 - Support Phone Number: 714-669-0052
 - Option 4 E-mail: support@lcptracker.com

THINGS TO REMEMBER:

Labor Compliance Forms due Prior to Work Beginning (Prime and all Sub Tier Contractors)

- 1) **Authorized Letter for Signing Certified Payroll** (Original signature required)
- 2) **List of Trades and/or Crafts**
- 3) **PW-300- List of all sub-contractors and suppliers.** (This **must be** updated if changes occur and **all contractors** listed must have a **DIR registration number** prior to commencing work on the project.
- 4) **Checklist of Labor Law Requirements-** (All boxes checked and signed)
- 5) **Public Works Contract Award Information (DAS 140)** (With verified proof of service)
- 6) **Request for Dispatch of an Apprentice (DAS 142)** (With verified proof of service)
- 7) **Fringe Benefit Statement Form-**(For Each Determination)
(Due before first Certified Payroll and then only when a change occurs)
- 8) **Authorization for Payroll Deduction** (Original signature required)
(Deductions other than standard deductions must be authorized by the employee)

Labor Compliance Forms Due Weekly:

- **Certified Payroll Form** (LCP Tracker Electronic Payroll and upload of payroll to DIR website)
 - **Statement of Compliance** (LCP Tracker Electronic Payroll)
 - **Statement of Non-Performance** (Due when work is not performed once on job- site)
-
- ✓ Work over 8 hours in a day or 40 hours in a week must be paid at the overtime rate. Refer to wage determination that is provided by the DIR for the applicable rate.
 - ✓ Certified payroll records must be numbered **consecutively**, starting with **the first week work is physically performed on site**
 - ✓ Last certified payroll must be marked **"FINAL"**.

Training Fund Contribution forms are due **monthly** beginning immediately after work has been performed on site.



Single Asterisk (*):

Effective until superseded by a new determination issued by the Director of Industrial Relations. Contact the Division of Labor Statistics and Research for specific rates at (415) 703-4774 for the new rates after 10 days from the expiration date, if no subsequent determination is issued.



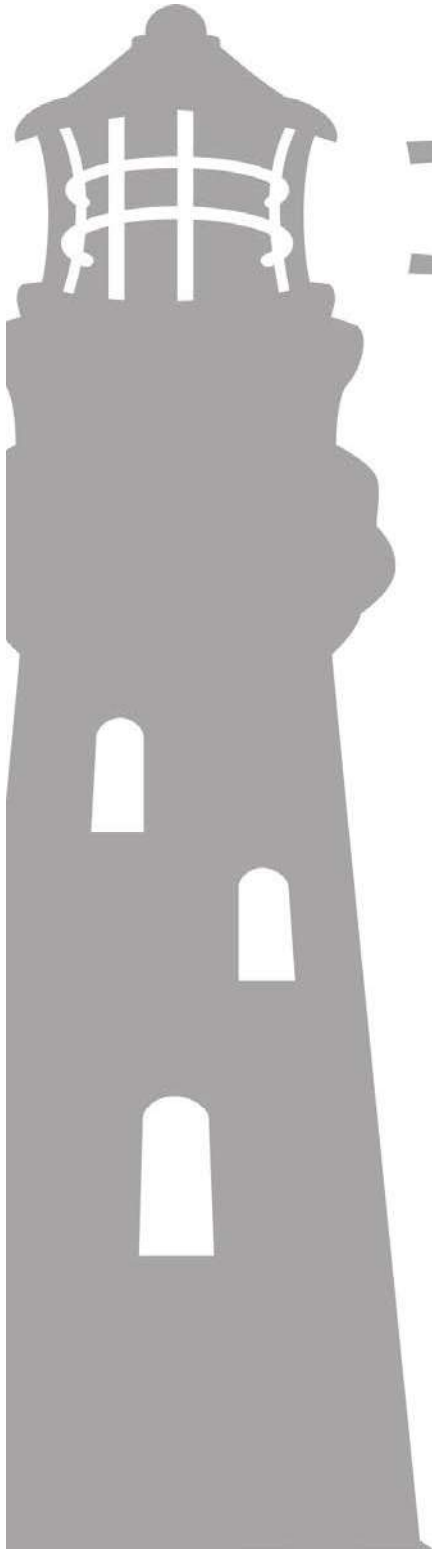
Double Asterisks():**

The rate to be paid for work performed after this date has been determined. If work will extend past this date the new rate must be paid and should be incorporated in contracts entered into now. Contact the Division of Labor Statistics and Research for specific rates at (415) 703- 4774.



Employee Interviews on job site:

Interviews are done to obtain information to verify correct wages are being recorded on the certified payrolls for the given craft/classification and to ensure contract compliance.



Contractor Quick-Start Guide



CONTRACTOR QUICK START GUIDE

Here at LCPtracker (Labor Compliance Program Tracker), we are aware that using a Prevailing wage software may be a new undertaking for many Contractors. We have designed this guide to explain what LCPtracker is used for and how to start using the software.

LCPtracker has been in business since 2001, and we are constantly changing to better suit your labor compliance needs. LCPtracker is used by over 200 Government Agencies and 55,000 Contractors.

LCPtracker is an online, cloud-based software company that provides users with the proper tools to easily ensure that each contractor is meeting prevailing wage guidelines as well as to easily create the detailed reports that can be required by agencies like the United States Army Corp of Engineers or the FHWA.

Whether it's Davis-Bacon laws that are set by the United States Department of Labor (USDOL), California prevailing wages set by the Department of Industrial Relations (DIR), or any other labor laws set by a specific state or local government agency, LCPtracker makes it easy to guarantee that every Contractor is compliant.



HOW DOES IT WORK?

The LCPtracker service is a paperless, online system of entering Certified Payroll Reports (CPRs). Payroll data may be entered directly into the system, or uploaded from major construction accounting systems or payroll programs. This service eliminates the need for Contractors to submit paper documents and forms while providing an online database that stores all CPRs.

All contract-specific wage rates, fringe rates and worker crafts/classifications are online within the system, and Contractors may then select craft/classifications from a drop-down menu. Potential errors in wage rates or work classification entries are flagged to Contractors preemptively, allowing them to correct data prior to submittal. (This is contingent on how the Agency sets up their project validations.)

A few of the **immediate benefits** experienced by using LCPtracker are:

- All Contractor reports are available instantly to Contractors in hardcopy and electronic format.
- No need to mail in paperwork! Payrolls will be submitted electronically.

There is no cost to Contractors for this service or for online training and we have a dedicated Support staff available Monday through Friday from 5:00am until 5:30pm PST.



CONTACTING LCPTRACKER SUPPORT

Contractors may access the various options for training after receiving a User ID and password, which will be sent by a “no reply” email address from LCPtracker (i.e., NOREPLY@LCPtracker.com.) This email, with login instructions, will be sent to Contractors once they’re assigned to an account in LCPtracker by your Agency or Prime Contractor. Every Contractor account is created by the Agency or their Prime Contractor. Complete and full support is offered directly to Contractors by LCPtracker for any technical questions on the use of the software.

Contact LCPtracker Support



- 714-669-0052 option 4; or
- Support@LCPtracker.com; or
- Live Chat

If you send the Support Team an email or prefer to leave a voice message, LCPtracker asks that you include the information listed below. (Because of the high number of users stored within LCPtracker, we cannot look up your account with only your company name or project you are working on.)

- Your Company Name
- Your User ID
- Your Name and Phone Number
- What the Issue is – please be as specific as possible so we can re-create the issue

LCPTRACKER TRAINING OPTIONS

Contractors may access the various options for training after receiving a User ID and password. An email with login instructions will be sent to Contractors once they are assigned to an account in LCPtracker. Every Contractor account is created by the Agency or their Prime Contractor.



LG-LCPTRACKER DEMO DATABASE [Change Account](#)





ADD/EDIT EMPLOYEE

To add an employee into system or edit someone already in system, click on **Set Up** and then **Add/Edit Employee**.

The screenshot shows the 'Setup Main Menu' with a navigation bar at the top containing: Projects, 1. Payroll Records, 2. Notices, 3. Certification, Reports, eDocuments, Set Up, Daily Reporter, and LCPcertified. Below the navigation bar is the 'Setup Main Menu' section with a grid of buttons. The 'Add/Edit Employee' button is circled in red. Other buttons include: Company Information, Add/Edit Craft Name, Fringe Benefits Maintenance, Copy Employees, Add/Edit Work Order, Subcontractor Setup, Add/Remove County Match, Add/Edit Additional Users, Edit Login Password, Add/Remove Craft Match, and Edit/Reset eSignature, Add/Remove Project Match.

Add / Edit Employee Information

This section is used to enter Contractor employees and their personal information. Enter the appropriate employee information in the data fields. Tab key or mouse click to move between fields. Any **RED** asterisk field is required by the Agency, and the system will not save unless the information is entered in the required fields.

Default Hourly Paid Fringes (As paid to Fund on behalf of employee)

This section is known as a "time saver". You may wish to fill in the hourly fringe rates in this section. This will allow for ease of use when entering payroll records manually, as you will be able to click the "calculate fringes" button on the Payroll Entry screen, and the system will perform the mathematical calculation of the hourly fringes multiplied by the hours worked. (Keep in mind that if you have any predetermined increases, or your Union updates once a year, you will need to come back to this section and update your fringes accordingly.)

If you have multiple projects with different fringe rates, built in increases, or everyone has the same fringes and you only want to enter those dollar values once, you may wish to skip this section and use the Fringe Benefit Maintenance table to enter your hourly fringe rates into system. (Note that any fringe amount entered in this section will supersede the fringe amount entered in that time saver section of the employee setup.)

The screenshot shows the 'Default Hourly Paid Fringes (As paid to Fund on behalf of employee)' section. It contains five input fields with labels: Vac / Hol / Dues, Health & Welfare, Pension, All Other, and Training.



Default Other Deductions Notes

Any deduction that is permissible according to the USDOL or your Agency (such as IRS garnishments, child support, a company loan, etc.) would fall under this “other” deduction section. Any amount listed in “other” will then dictate that “other deduction notes” is required. You can always come back and add/edit the employee and enter value in this section to save yourself time.

1. PAYROLL RECORDS

There are five methods of payroll entry available to all Contractors:

1. Copy Payroll feature in LCPtracker
2. Upload from a payroll system export file
3. Upload from the Excel spreadsheet
4. Direct Payroll Subscription / Interface (DPI)
5. Manual entry

We will be discussing manual entry in detail below, but here is some information regarding the other four:

1. COPY PAYROLL

This option is only available if you have already completed a week of payroll. Once you're in the Payroll Records tab, simply click on the “Copy Previous Payroll” button, select your project, then select the CPR you'd like to copy.



2. UPLOAD FROM A PAYROLL SYSTEM EXPORT FILE

From the Payroll Record tab, click on the “Upload Records” button. Further click on the “Accounting Systems” button, and you will see a partial list of the payroll companies that we have partnered with to create a payroll interface, or export file. To see a complete list of payroll interfaces available, please visit www.lcptracker.com, and click on Partners>Payroll Interfaces. If you do not find your payroll company, and would like to see if there is an opportunity to partner, please fill out the informational form listed under the “Upload Records” section and someone from LCPtracker will contact you.



Accounting Systems

Click below your accounting system to learn how to access the upload file.

1. [California Payroll](#)
2. [Construction Partner](#)
3. [Foundation Software](#)
4. [Pay-Net Software](#)
5. [Paychex Software](#)
6. [Paylocity Software](#)
7. [Quantum Software](#)
8. [Quickbooks Software](#)
9. [Viewpoint Software](#)
10. [Dexter + Chaney](#)

If your accounting system is not listed click [here](#) to request an interface be created.

Accounting Systems Upload Help Download spreadsheet template

Click on the Accounting Systems button to access information regarding accounting / payroll system interfaces.

Payroll Accounting System
ADP Workforce Now
Benepay Technologies
California Payroll
COINS
ComputerEase
Computer Guidance
Construction Partner
Foundation
JobPower Software
Paychex
Paycom
Payday Workforce Solutions
Paylocity
Pay-Net
Payroll People Inc - PPI
Payroll Systems -
Quantum Systems
Sage 100 & 300 – via Event 1 Software
Sunburst
Timberline – via Event 1 Software
Ultimate Software - UltiPro
Viewpoint – ProContractor
Viewpoint – Spectrum (Formerly Dexter-Chaney)
Viewpoint – Vista

You can click on the name of your payroll company, and you will either find a list of directions on how to obtain your export file, or you will see a request that you contact your payroll company directly for instructions on how to obtain that export file.

Once you have it, you can use it to upload your CPR from that “Upload Records” button. For more information, feel free to either contact Support, or look in the Training Materials section for more detailed instructions.

3. UPLOAD FROM THE EXCEL SPREADSHEET

LCPtracker has an Excel spreadsheet template available for you to download in the same “Upload Records” section mentioned above. There is a legend as well as instructions available on the Excel template.

You can manually enter info into this Excel spreadsheet, or you can confer with your IT department to see if they can utilize this spreadsheet to create a report out of your existing payroll system.

Upload Records

Select week end date:

Select a project:

Select a location:

☐ Calculate fringes automatically ☒ Use "NOT AVAILABLE" if crafts is unmatched

Please note that the Excel Upload Template will now be limited to 200 payroll records per upload. If your file contains more than 200 payroll records, please break up the file into multiple uploads.

Select the file to upload:

Choose File No file chosen

Accounting Systems Upload Help **Download spreadsheet template**

Click on the Accounting Systems button to access information regarding accounting / payroll system interfaces.



4. DIRECT PAYROLL SUBSCRIPTION / INTERFACE (DPI)

This is another option available to Contractors who would prefer to not enter their CPRs manually, do not want to use the Excel spreadsheet, and do not use a payroll company that LCPtracker partners with. You can choose to have LCPtracker map your existing payroll so that you may use it (as a PDF or .CSV file) as an upload file. Once you have it, you can use it to upload your CPR from that “Upload Records” button.

For more information, feel free to either contact Support, or look in the Training Materials section for more detailed instructions.

The screenshot shows the LCPtracker web interface. At the top, there is a navigation bar with tabs: 'Projects', '1. Payroll Records', '2. Notices', '3. Certification', 'Reports', and 'eDocuments'. Below this, the 'Payroll Records' section is highlighted. It contains a grid of buttons: 'Enter Records', 'Direct Payroll Subscription' (circled in red), 'Copy Previous Payroll', 'Recovery Act Additional Data Entry', 'Edit Uncertified Payroll Records', 'FHWA 1391 Additional Data Entry', 'Upload Records', and 'HUD Additional Data Entry'.

5. MANUAL ENTRY

You will enter a record each week for every employee that performs work covered by prevailing wages on their project. If your employee works in more than one classification (i.e., they've worked 20 hours as a Carpenter and 20 hours as a Power Equipment Operator) please enter two separate pay records to show that they are being paid according to the work performed.

This screenshot shows the same LCPtracker interface as the previous one, but with the 'Enter Records' button circled in red instead of 'Direct Payroll Subscription'. The navigation bar and other buttons remain the same.



AMOUNTS PAID (top section of the Payroll Record Entry Form)

Enter the appropriate amounts in the appropriate sections. Keep in mind this is just a transfer of historical data from your already existing payroll records.

Payroll record entry form (2 of 2)

Week End Date:	6/3/2018	Contractor:	Darren's Demo						
Project:	M59 Realignment	Sub To:							
Employee:	DUCK, DONALD	Contract ID:	5						
☐ Is Foreman ☐ Is Owner/Operator									
Gross Employee Pay This Project (Usually No Fringes)	Wages Paid in Lieu of Fringes (Total Cash Fringes)	These fields are Hourly rate fields (Usually No Fringes)	Rate in Lieu of Fringes (Cash Fringes)						
		<table><tr><td>Base Hourly</td><td>Overtime Hourly</td><td>Doubletime Hourly</td></tr><tr><td>50.000</td><td>0.000</td><td>0.000</td></tr></table>	Base Hourly	Overtime Hourly	Doubletime Hourly	50.000	0.000	0.000	
Base Hourly	Overtime Hourly	Doubletime Hourly							
50.000	0.000	0.000							
0.000	0.000		0.000						

Gross Employee Pay This Project – The amount of basic wages paid for this project only. This is typically the hourly rate of pay multiplied by the hours worked (it could be more complex with overtime figured in).

Wages Paid-in-Lieu of Fringes – The amount paid to the employee instead of fringe benefits paid to a plan, fund or program. This amount is sometimes included in the Gross Employee Pay this Project depending on the accounting system and the agency reporting requirements. (Whether you are a Union Shop or Open Shop typically determines whether you pay these required fringes to an approved plan, fund or program, or pay them directly to the employee in cash.) This amount would be the rate-in-lieu of Fringes multiplied by the number of hours worked.

Rate-in-lieu of fringes – The hourly rate paid-in-lieu of fringes. If you pay your employees directly for the required fringe benefit instead of paying into an approved plan, fund or program, please list the hourly rate paid here.

Base Hourly – The hourly rate of pay not including fringes. Some accounting systems include taxable fringes and fringes paid-in-lieu in this amount, do not include those in this field.

Overtime Hourly – The hourly rate of pay multiplied by a factor of 1.5. Do not include fringe benefits in this equation, unless specifically called for by your Agency.

Doubletime Hourly – The hourly rate of pay multiplied by a factor of 2. Do not include fringe benefits in this equation, unless specifically called for by your Agency.



CLASSIFICATIONS

This section lists the craft and classification that your employee worked on your project and will be paid for. If you mistakenly choose the wrong classification on the original entry page, you may change it here by clicking on the Edit button. (Please remember that if your employee worked in more than one classification within this work week, you will need to enter a separate payroll record for that classification.)

▼ Classifications					
Jurisdiction	Location	Craft	Classification	Construction Type	
Federal Wages	Huron County, MI	Carpenter	Carpenter - Pending USDOL 02/01/2017	Highway	Edit

HOURS WORKED EACH DAY FOR THIS PROJECT ONLY

Enter the hours worked each day. The first row is for regular time worked, the second row is for overtime worked and the third row for is for double time worked. You ONLY enter hours worked on this prevailing wage job for this week. The system will total each type of hours worked, the days worked and the week under the totals hours column.

▼ Hours Worked Each Day for This Project Only								
	Monday 5/28/2018	Tuesday 5/29/2018	Wednesday 5/30/2018	Thursday 5/31/2018	Friday 6/1/2018	Saturday 6/2/2018	Sunday 6/3/2018	Total Hours
Regular Time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Overtime at 1.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Double-Time	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

FRINGES/CONTRIBUTIONS PAID TO OTHER (NOT EMPLOYEE) FOR THIS PROJECT ONLY

You may utilize this section in two different ways:

1. Auto calculate
2. Manual entry

The first is by simply clicking the Calculate Fringes button so that the system automatically calculates the fringe benefit rates paid. This only works if you filled out the hourly fringe benefit rates in the Add/Edit Employee screen (or the Fringe Benefit Maintenance section, also available in the Set Up tab). This function multiplies the hours worked times the fringe benefit rate to get the values.

The second way is to manually enter the total amounts paid per section (Vac/Hol/Dues, Health & Welfare, Pension, etc.) from your payroll register or paystubs. Mark the appropriate check boxes as required. If they are checked in the Add/Edit Employee setup then that value carries over.



▼ Fringes / Contributions paid to others (not employee) for This Project Only (Rate Times the # of Hours Worked)

Vac / Hol / Dues 0.000 More ...
Health & Welf. 0.000
Pension 0.000 More ...
All Other 0.000
Training 0.000

Voluntary Contributions
for all Projects

Pension 0
Medical 0

- ☐ Vac/Hol/Dues Included in Gross Emp. Pay
☐ Some or All Fringes Paid to Employee
☐ Voluntary Contributions Included in Gross Emp. Pay

Calculate Fringes

PAYCHECK – DEDUCTIONS, PAYMENTS AND NOTES (values entered in this section apply to all hours worked on all projects during the week.)

▼ Paycheck - Deductions, Payments and Notes (For All Projects Worked This Week)

☒ Single Paycheck ☐ Multiple Paychecks

Deductions

Fed Tax 0.000 + Social Security 0.000 + Medicare 0.000 + State Tax 0.000 + Local Taxes/SDI 0.000 + Other 0.000 + Vac/Dues 0.000 + Savings 0.000 = Total Deductions 0.000

Payments (If included in paycheck)

Trav/Subs 0.000 Gross Pay All Projects 0.000 Paycheck Amount 0.000 Check Number * Payment Date

Notes

Other Deduction Notes

Deductions - the Total Deductions box will add as you enter values in the taxes, other deductions, Vac/Dues and Savings fields.

Other Deduction - this field is for permissible deductions that do not fall into the other available fields. If you put an amount in the Other deductions field, an Other Deduction Note will become required.

Trav/Subs - this field is for travel or subsistence paid to your employee. This amount does figure into the mathematical calculation that the system to ensure that Gross and Net pays are correct.

Gross Pay All Projects – the gross amount on the paycheck for the week including all projects worked.

Paycheck Amount – this is also referred to as Net pay. This is the actual amount of pay the employee received.

Check Number – you have the option of putting different information in this field. If you hand out actual checks to your employees, please enter the check number in this field. If you utilized direct deposit and no check numbers exists, enter “DD”.



Payment Date – this is the actual date of the paycheck. Not all Agencies require this field.

Notes – this is a section that allows you to communicate anything out of the ordinary that you would like your Agency to know.

Other Deduction Notes – if you entered a permissible deduction in the above-mentioned field, then you will be required to leave a note describing that deduction. Please remember to be transparent in your notes entered. We recommend that you list what the actual deduction is, and not write “other deduction” or “N/A”.

WHEN YOU HAVE COMPLETED ALL THE ABOVE-MENTIONED FIELDS, CLICK SAVE.

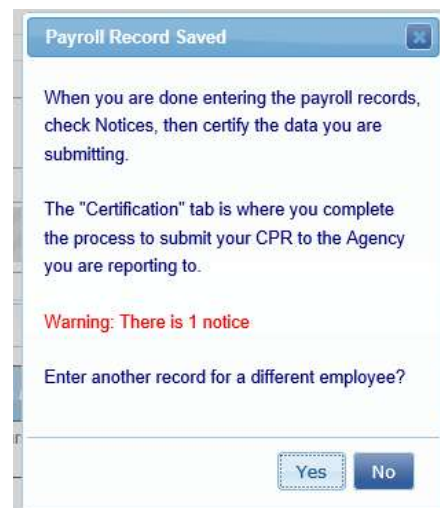
SAVE WITH NO NOTICES

With a successful save you will get this message:



SAVE WITH NOTICES

If you do not get this message, look for the **RED** message on the screen. You may have to scroll up or down on the payroll record to see what you have missed that may be a required field.





2. NOTICES

Once you have entered all payroll records for the week, you should go into the Notices tab to check and see if you have any payroll Notices. Your records have been saved: perhaps there are issues ranging from forgetting to add an employee ID or phone number to forgetting to enter the Gross Employee Pay This Project field at the top of the Payroll Record Entry screen.

The screenshot shows the 'Contractor Notices' interface. At the top is a blue header bar. Below it, there's a 'Project' dropdown menu set to 'All Projects'. Underneath are 'From Date' and 'To Date' fields with calendar icons, followed by an unchecked checkbox for 'Include Closed Admin Notices', and 'Load Data' and 'Help' buttons. Below these are three tabs: 'Payroll Notices (0)' (highlighted), 'Daily Log Notices (0)', and 'Administrator Notices (6)'. The main content area shows 'No payroll notices' in green text.

If you have an employee who shows up in this screen, you will need to clear that notice.

This screenshot shows the 'Contractor Notices' interface with a table of notices. The 'Payroll Notices (7)' tab is selected. The table has columns: Employee, Project, Sub To, Contract ID, Week End Date, Jurisdiction, Craft, Classification, and an 'Edit' button. One notice is visible for employee CHARTEL ALEXANDER on the Herbert Hoover Dam project, dated 6/3/2018, in Florida, with the craft 'Laborer' and classification 'Laborer: Pipelayer'.

Employee	Project	Sub To	Contract ID	Week End Date	Jurisdiction	Craft	Classification	
CHARTEL ALEXANDER	Herbert Hoover Dam			6/3/2018	Florida	Laborer	Laborer: Pipelayer	Edit

To clear your notice, click on the Edit button to the right of the employee name. From there, you will be taken back into the Payroll Record Entry screen. Scroll down the bottom and you will see detailed notes on exactly what your notice is.

If you do not understand the notice, you have options on how to get help. You can click on the Video Assistance "Play Now" button and you will see a video that explains what the notice is and how to address it, or you can contact our Support department and they will assist you.

You must clear all notices to certify your payroll.

CERTIFICATION

You are almost finished, and now it's time to certify your payroll. You will do this for each week beginning when you first start work on your project until the last week on the project.

You have three options available to you when you certify your payroll:

- Certify a payroll for a week during which work was performed
- Certify a payroll for a week during which no work was performed (non-work week payroll)
- Certify a payroll for multiple consecutive weeks during which no work was performed



CERTIFICATION WIZARD, STEP 1 OF 2

To certify your payroll:

- Choose your project
- Choose the type of payroll you are certifying
- Choose your week ending date (if you choose multiple consecutive weeks, you will enter the start date and the last date)
- Enter your name as the person certifying your payroll
- Enter your title
- Click next

Certification Wizard Step 1 of 2

Project Last CPR Info: Date 1/28/2018 | Payroll Number 54

M59 Realignment | 5

Work performed this week?

☒ Work activity to be reported for this week

☐ No work activity to be reported for this week

☐ No work activity to be reported for multiple consecutive weeks

Week End Date

06/03/2018

Payroll Number

1

Name of Person Certifying

Mickey Mouse

Title

Payroll Manager

Cancel Next Help

CERTIFICATION WIZARD, STEP 2 OF 2

You are now seeing your Statement of Compliance (SOC) portion of your certified payroll report. You are just a few clicks away from certifying your payroll.

You now need to denote how you pay your fringe benefits (if you do both, you may choose both):

- 4a – paid into an approved plan, fund or program
- 4b – paid in cash to the employee
- 4c – section to note any exceptions you might have, per craft/classification.

If you have any final remarks that you'd like to leave for your Agency, there is a section available to you to do so. Note: this field is mandatory is you are recertifying a CPR.

You may also click on a checkbox to note if your CPR is a final.

eSignature Password:

Lastly, you will put in your eSignature and click Save. This completes your CPR, and it will pop up in another window so long as you have your pop-up blocker turned off. (If you forget your e-Signature, go back to the Set Up tab, edit your eSignature, and then go back to the Certification Tab and follow the above procedures again.)

You have now completed certifying your payroll.

Your CPRs are electronically sent to your Administrator, and unless otherwise specified, there is no need to send or print out a hardcopy unless you would like to do so for your own records.



Remember that your CPR's will always be stored in your account to access at any time, so you may decide not to print out hardcopies.

CALIFORNIA DIR XML UPLOAD

If you perform work on a California Public Works project, you also need to upload your payroll to the Department of Industrial Relations (DIR) eCPR system. Once you've certified your payroll, you can download the DIR XML file to upload.

Instructions to find and upload this file:

- Click on the Projects tab
- Click on the Certified Payrolls tab
- Locate the week ending payroll file you need
- Click on the DIR XML button (make sure your pop-up blockers are off)
- Save this file to your desktop
- Upload into the DIR eCPR system

Payroll Certifications			
Week End Date	Performing	Accept Status	
03/16/2018	YES	Submitted	Edit Report DIR XML Details
03/02/2018	YES	UPDATED	Edit Report DIR XML Details

Page 1

WASHINGTON L&I XML UPLOAD

Beginning in January 2020, weekly certified payroll reports are required to be filed online with Washington State Department of Labor and Industries, or WA L&I, at least once a month for all public works projects. Once you've certified your payroll, you can download the WA L&I XML file to upload.

Instructions to find and upload this file:

- Click on the Projects tab
- Click on the Certified Payrolls tab
- Locate the week ending payroll file you need
- Click on the WA L&I XML button (make sure your pop-up blockers are off)
- Save this file to your desktop
- Upload into the WA State PWIA portal

Payroll Certifications			
Week End Date	Performing	Accept Status	
07/06/2019	YES	Submitted	Edit Report WA L&I XML Details

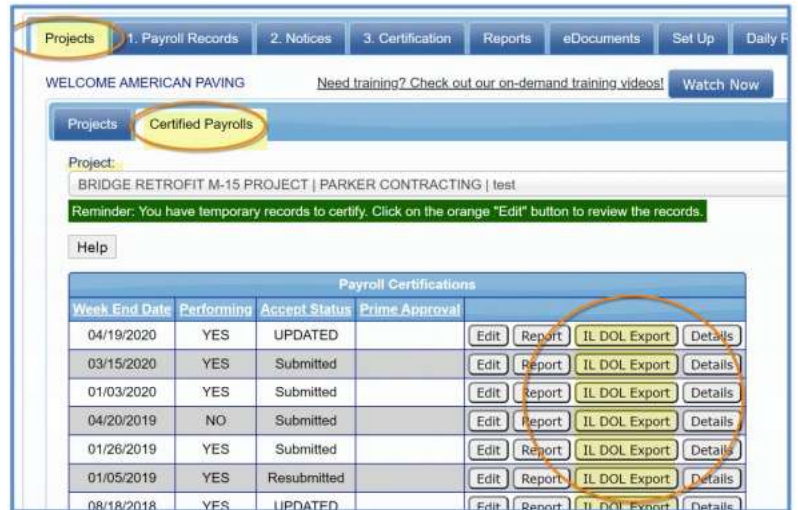


ILLINOIS DOL EXPORT UPLOAD

Beginning in September 2020, weekly certified payroll reports are required to be filed online with the Illinois Department of Labor, or IDOL, by the 15th of each month for all state-funded public works projects. Once you've certified your payroll, you can download the IL DOL XML file to upload.

Instructions to find and upload this file:

- Click on the Projects tab
- Click on the Certified Payrolls tab
- Locate the week ending payroll file you need
- Click on the IL DOL Export button (make sure your pop-up blockers are off)
- Save this file to your desktop
- Make any manual additions/adjustments to the CSV file
- Upload into the IDOL portal



Should you find that you have any further questions, please consult either the Contractor User Manual or call our Support department.

Contact LCPtracker Support

- 714-669-0052 option 4; or
- Support@LCPtracker.com; or
- Live Chat

PLOT STAMP: Login Name: jvamedoe
Plot Date: April 14, 2026 - 11:45 am

File Name: P:\Proj\23356-01-Sacramento PW 2023_Carson Drive Rehabilitation\11-PLANS\MASTERS\SHEETS\23356-01_01 - T-1-TITLE SHEET.dwg
CAD FILE: REFS: BOR-23365-01_H_22334 | BOR-21301_H_22334 | STAMP PE - CA | BOR-23356-01_H_22334

A detailed map of a portion of San Francisco, California. The map shows the city's street grid, including major thoroughfares like the Capital City Freeway (Interstate 580) and Interstate 50. A callout box with the text "PROJECT SITE" is positioned in the upper right, with a line pointing to a specific location in the city. The map also shows various landmarks, including a large body of water (San Francisco Bay) and a bridge (Golden Gate Bridge) in the background.

Map of the City of Glendale, California

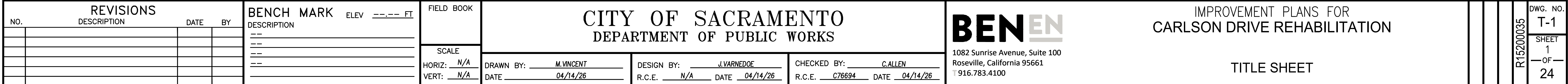
Legend:

- **Proposed Light Rail Line**
- **City of Glendale**
- **Parkway**
- **Highway**
- **Interstate**
- **Freeway**
- **Local Road**
- **Other**

Map Labels:

- Streets:** SANBURG DRIVE, CALEB AVE, STATE AVE, SPILMAN AVE, CALLISTER AVE, SHEPARD AVE, CAMELLIA AVE, MONALEE AVE, MODDISON AVE, WANDA WAY, LOVELLA WAY, MCADOO AVE, SANDBURG DRIVE, H STREET, CARLSON DRIVE.
- Parks:** GLENN HALL PARK.
- Landmarks:** BEG WORK, END WORK.
- Route Markers:** L-1, L-2, L-3, L-4, L-5, L-6, L-7, L-8, L-10.

Carleton Allen



GENERAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH: CITY OF SACRAMENTO DESIGN & SPECIFICATIONS MANUAL, CURRENT EDITION, CITY STANDARD SPECIFICATIONS, CURRENT EDITION WITH APPLICABLE ADDENDA, CALTRANS STANDARD PLANS, CURRENT EDITION, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITION.
2. THREE WORKING DAYS PRIOR TO REQUIRING PROJECT STAKING, THE CONTRACTOR SHALL SUBMIT TO THE RESIDENT ENGINEER OR INSPECTOR A COMPLETED CONSTRUCTION STAKING REQUEST FORM.
3. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR FURNISHING, INSTALLING AND MAINTAINING ALL WARNING SIGNS AND DEVICES NECESSARY TO SAFEGUARD THE GENERAL PUBLIC AND THE WORK, AND FOR PROVIDING PROPER AND SAFE ROUTING OF THE VEHICULAR AND PEDESTRIAN TRAFFIC DURING THE PERFORMANCE OF THE WORK. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO WORKING HOURS. THE USE OF FLAGGERS, BARRICADES AND CONSTRUCTION SIGNING SHALL COMPLY WITH THE CURRENT EDITION OF THE CALIFORNIA MUTCD.
4. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL EXISTING UTILITIES AND PROTECTING AND REPAIRING DAMAGE TO EXISTING UTILITIES. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (1-800-642-2444) TWO WORKING DAYS PRIOR TO COMMENCING WORK.
5. THE CONTRACTOR SHALL MAINTAIN ALL EXISTING SEWER AND/OR DRAINAGE FACILITIES WITHIN THE CONSTRUCTION AREA UNTIL THE PROPOSED SEWER AND/OR DRAINAGE IMPROVEMENTS ARE PLACED AND FUNCTIONING.
6. THE RESIDENT ENGINEER SHALL DETERMINE THE EXACT LIMITS OF PAVEMENT REMOVAL IN THE FIELD. EXISTING ASPHALT AND CONCRETE SHALL BE SAWCUT IN A NEAT STRAIGHT LINE A MINIMUM OF 2-1/2" DEEP. THE EXPOSED VERTICAL EDGES SHALL BE TACKED WITH EMULSION PRIOR TO ASPHALT CONCRETE PAVING.
7. DEMOLITION OF EXISTING FEATURES SHALL BE LIMITED TO THE ITEMS SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIAL PROVISIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO REPAIR AND/OR REPLACE ALL EXISTING FEATURES DAMAGED BY HIS OPERATIONS, AT HIS EXPENSE.
8. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PROTECTING EXISTING TREES NOT SCHEDULED TO BE REMOVED BY THIS CONTRACT. ANY TREE DAMAGED SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER, AT HIS EXPENSE.
9. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR CAPPING AND RELOCATING EXISTING SPRINKLERS AS DIRECTED BY THE ENGINEER.
10. THE CONTRACTOR SHALL HAVE A CURRENT AND ACTIVE CLASS A - GENERAL ENGINEERING CONTRACTOR LICENSE ISSUED BY THE CCSLB AT THE TIME OF THE BID SUBMITTAL AND THROUGHOUT THE CONSTRUCTION PERIOD. THE CONTRACTOR, AND/OR SUBCONTRACTORS PERFORMING ELECTRICAL WORK, SHALL ALSO HAVE A CURRENT AND ACTIVE CLASS C10 - ELECTRICAL CONTRACTOR LICENSE ISSUED BY THE CCSLB AT THE TIME OF THE BID SUBMITTAL AND THROUGHOUT THE CONSTRUCTION PERIOD.
11. ALL CURB, GUTTER AND SIDEWALK SHOWN TO BE REMOVED SHALL BE REMOVED TO THE NEAREST EXPANSION JOINT OR SCORE MARK. DAMAGE TO EXISTING CURB, GUTTER, AND SIDEWALK WHICH IS SHOWN ON THE PLANS TO REMAIN, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
12. THE CONTRACTOR SHALL OBTAIN A PERMIT FROM THE DIVISION OF OCCUPATIONAL SAFETY & HEALTH (2424 ARDEN WAY SUITE 165, SACRAMENTO, CA PHONE 263-2800) PRIOR TO ANY TRENCHING EXCAVATION 5 FEET OR MORE IN DEPTH. A COPY OF THIS PERMIT SHALL BE AVAILABLE AT THE CONSTRUCTION SITE AT ALL TIMES.
13. REPLACEMENT OF LIVE SEWER SERVICES SHALL BE TO THE PROPERTY LINE. REPLACEMENT SEWER CLEANOUTS AND SERVICES SHALL HAVE THE SAME DIAMETER PIPE AS THE EXISTING, WITH THE EXCEPTION OF MAINTAINING A 4" MINIMUM DIAMETER.
14. THE CONTRACTOR SHALL BE COMPLETELY RESPONSIBLE FOR PRESERVING ALL EXISTING MONUMENTS WHICH WILL BE DISTURBED OR REMOVED AS REQUIRED BY CONTRACTOR'S WORK. CONTRACTOR SHALL COORDINATE WITH ENGINEER/SURVEYOR PRIOR TO DISTURBANCE OF EXISTING MONUMENTS, AND SHALL HAVE A LICENSED LAND SURVEYOR RESET MONUMENTS, PROVIDE PERMANENT WITNESS MONUMENTS, AND FILE DOCUMENTATION WITH THE COUNTY SURVEYOR PURSUANT TO THE BUSINESS AND PROFESSIONS CODE.
15. THE CONTRACTOR, SUBCONTRACTOR OR SURVEYOR SHALL NOT CUT PERMANENT CROSSES INTO EXISTING CONCRETE CURBS, GUTTERS OR SIDEWALKS.
16. GUTTER SLOPES FROM THE FLOWLINE TO LIP SHALL BE 5% MAXIMUM FOR THE FULL-WIDTH OF ALL CURB RAMPS. THE 5% CROSS SLOPE SHALL TRANSITION TO THE STANDARD CURB AND GUTTER CROSS-SLOPE OVER A DISTANCE OF 3 FEET UNLESS NOTED OTHERWISE.
17. ANY NEW CONCRETE SURVEY MONUMENT (PER CITY STANDARD SPECIFICATION DETAIL) SHALL BE PLACED BY A LICENSED LAND SURVEYOR.

STANDARD ABBREVIATIONS:

AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AD	ANGLE POINT
AUE	AVENUE
ARV	AIR RELEASE VALVE
BLDG	BUILDING
BC	BEGIN CURVE
BFFR	BUFFER
BFP	BLOWDOWN PREVENTER
BOL	BOLLARD
BSC	BACK OF CURB
BOS/BW	BACK OF SIDEWALK
CAB	CABINET
C&S	CURB AND GUTTER
CC&S	CURB, GUTTER AND SIDEWALK
CL	CENTER LINE
CM/ E	CORROGATED METAL PIPE
CO	CONCRETE
C/CONC	CONCRETE
CLNK	CHAINLINK
CONST	CONSTRUCT
CTV	CABLE TV
CS	CURB RAMP
CS	COMBINATION SYSTEM
CSMH	COMBINATION SYSTEM MH
CU	OUTLINE
DIB	DITCH BOX
DI	DROP INLET
DRWY/DWY	DRIVEWAY
DTL	DETAIL
DWG	DRAWING
E/ELECT	ELECTRICAL
EG	END CURVE
EG	EXISTING GRADE
EL/ELEV	ELEVATION
EP/EOP	EDGE OF PAVEMENT
EMH	ELECTRIC MANHOLE
EPB	ELECTRIC PULL BOX
ESA	ENVIRONMENTALLY SENSITIVE AREA
EX/EXIST	EXISTING
FDX	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
FOPB	FIBER OPTIC PULL BOX
FOC	FRONT OF CURB
FSW	FRONT OF SIDEWALK
G	GAS
GA	GUY ANCHOR
GB	GRADE BREAK
GD	GUTTER DRAIN
GM	GAS METER
GV	GAS VALVE
HP	HIGH POINT
IRV	IRRIGATION VALVE
JP	JOINT POLE
LF	LINEAR FEET
LP/LG	LIP OF GUTTER
LP	LOW POINT
LT	LEFT
MB	MAIL BOX
MH	MAINTENANCE HOLE
MFR'S	MANUFACTURE'S
MIN	MAXIMUM, MINIMUM
MPB	MISCELLANEOUS PULL BOX
N/A	NOT APPLICABLE
No. #	NUMBER
N.T.S.	NOT TO SCALE
P	PAVEMENT
PB	PULL BOX
PG	PROFILE GRADE
PI	POINT OF INTERSECTION
PL	PROPERTY LINE
PP	POWER POLE
PCC	PORTLAND CEMENT CONCRETE
PRC	POINT OF RETURN CURVE
(P)/PROP	PROPOSED
PTC	PARKING METER
PVC	PERMIT TO ENTER CERTIFICATION
PVC	POLY VINYL CHLORIDE
RC	RADIUS
PCP	PAINTED RED CURB
RCP	REINFORCED CONC. PIPE
RP	RADIUS POINT
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SLOPE
SAW	SAWCUT
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SH	SHEET
SLL	STREET LIGHT
SLP	STREET LIGHT PULL BOX
SNS	STREET NAME SIGN
SSMH	SANITARY SEWER MANHOLE
SSQO	PROPERTY SEWER CLEAN OUT
SPA	SPACING
SPECS	SPECIFICATIONS
SSS	SANITARY SEWER
SSMH	SANITARY SEWER MH
ST	STREET
STA	STATION
STD	STANDARD
SW	SIDEWALK
TELE	TELEPHONE
TCE	TEMPORARY CONSTRUCTION EASEMENT
TPB	TELEPHONE PULL BOX
TMH	TELEPHONE MANHOLE
TOB	TOP OF CURB
TOB	TOP OF BANK
TOE	TOE OF SLOPE
T.O.P.	TOP OF PIPE
TS	TRAFFIC SIGNAL
TSC	TRAFFIC SIGNAL CABINET
TSBP	TRAFFIC SIGNAL PULL BOX
TYP	TYPICAL
VAR	VARIABLE
W	WATER
W/	WITH
WKWY	WALKWAY
WM	WATER METER
WR	WATER RISER
NFB	WATER PULL BOX
WV	WATER VALVE
WVT	WATER VAULT

LEGEND AND SYMBOLOLOGY:

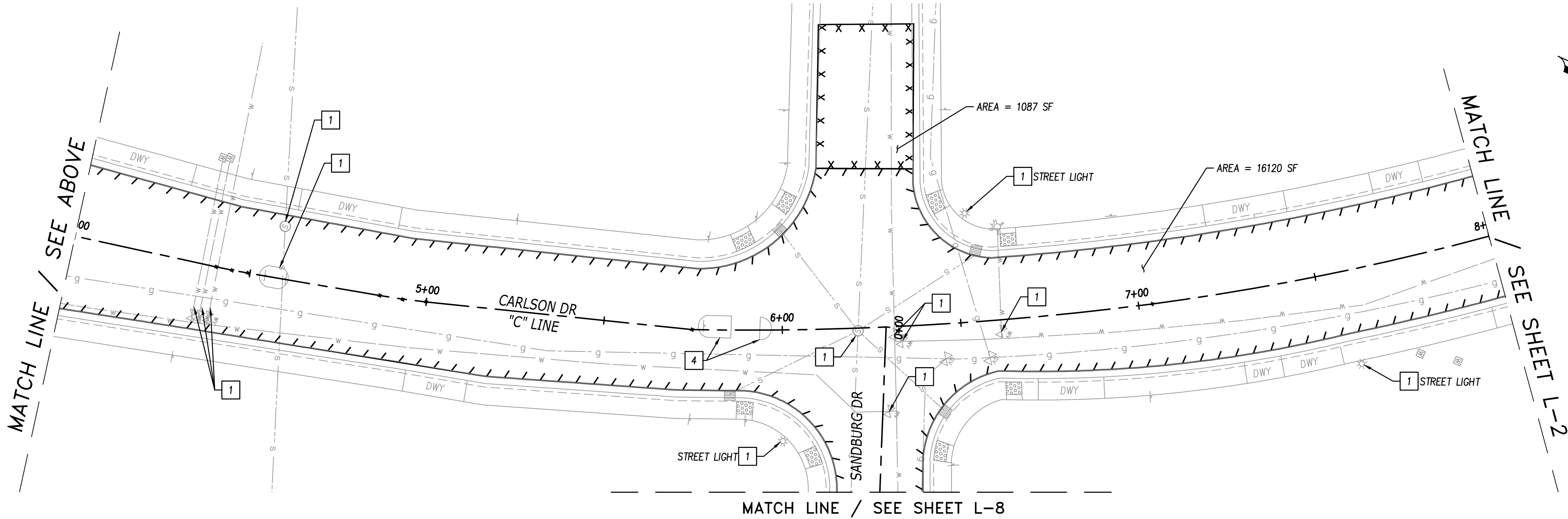
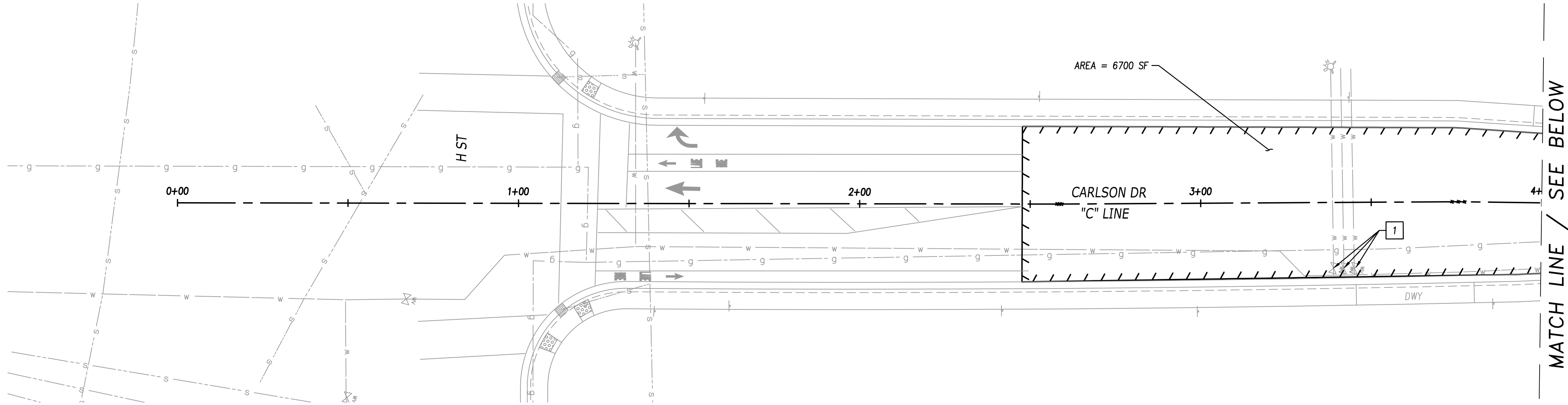
	EXISTENT	PROPOSED
DRAIN INLET		
SEWER MANHOLE		
WATER METER		
WATER VALVE		
GAS VALVE		
MODULAR CURB		
STREET LIGHT		
FIRE HYDRANT		
ROADSIDE SIGN		
WATER		
SANITARY SEWER		
GAS		
BACK OF CURB		

REVISIONS				BENCH MARK DESCRIPTION ELEV. ---.--- FT	FIELD BOOK	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BENEN 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 T 916.783.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION				DWG. NO. G-1
NO.	DESCRIPTION	DATE	BY			DESCRIPTION	SCALE	DRAWN BY: M.VINCENT	DESIGN BY: J.VARNEDOE			CHECKED BY: C.ALLEN	SHEET 2			
						HORIZ: N/A	R.C.E. N/A	R.C.E. C76694							R15200035	— OF — 24
						VERT: N/A	DATE 04/14/26	DATE 04/14/26	DATE 04/14/26	GENERAL NOTES						

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

Plot Stamp: Log Name: Jernedoe
Plot Date: April 14, 2026 - 11:46 am

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LAYOUT AND STRIPING NOTES:

- 1 PROTECT IN PLACE
- REMOVE AND REPLACE SINGLE PAN CURB RAMP AND TRUNCATED DOME PER CITY STD DWG NO T-71 AND T-79
- 3 ADJUST MANHOLE TO GRADE
- 4 PROTECT PEDESTRIAN REFUGE ISLAND IN PLACE
- 5 INSTALL MODULAR CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1
- INSTALL CURB AND GUTTER TYPE 1 PER CITY STD DWG T-11

NOTES:

- CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
- CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS, UNLESS OTHERWISE NOTED.
- UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

LEGEND:

- MICROSURFACE RUBBERIZED CHIP SEAL
- MICROSURFACE
- CONCRETE (SEE CITY DETAILS)
- 12" ASPHALT CONCRETE

REVISIONS				BENCH MARK	ELEV	---,--- FT	FIELD BOOK
NO.	DESCRIPTION	DATE	BY				
				DESCRIPTION			SCALE
							HORIZ: 1"=20'
							VERT: N/A

CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: M.VINCENT	DESIGN BY: J.VARNEDOE	CHECKED BY: C.ALLEN	
DATE 04/14/26	R.C.E. N/A DATE 04/14/26	R.C.E. C76694 DATE 04/14/26	

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Roseville, California 95661
916.783.4100

IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION
CARLSON DRIVE
LAYOUT PLAN

DWG. NO.
L-1

SHEET
3

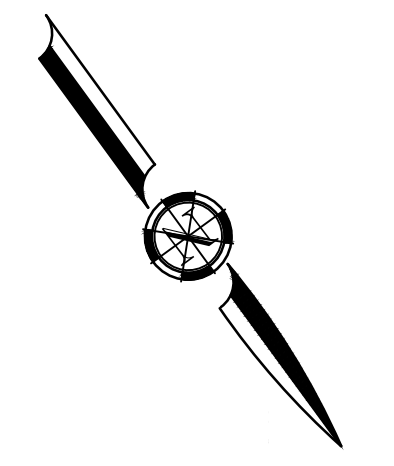
OF
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R15200035

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Plot Date: April 14, 2026 - 11:46 am

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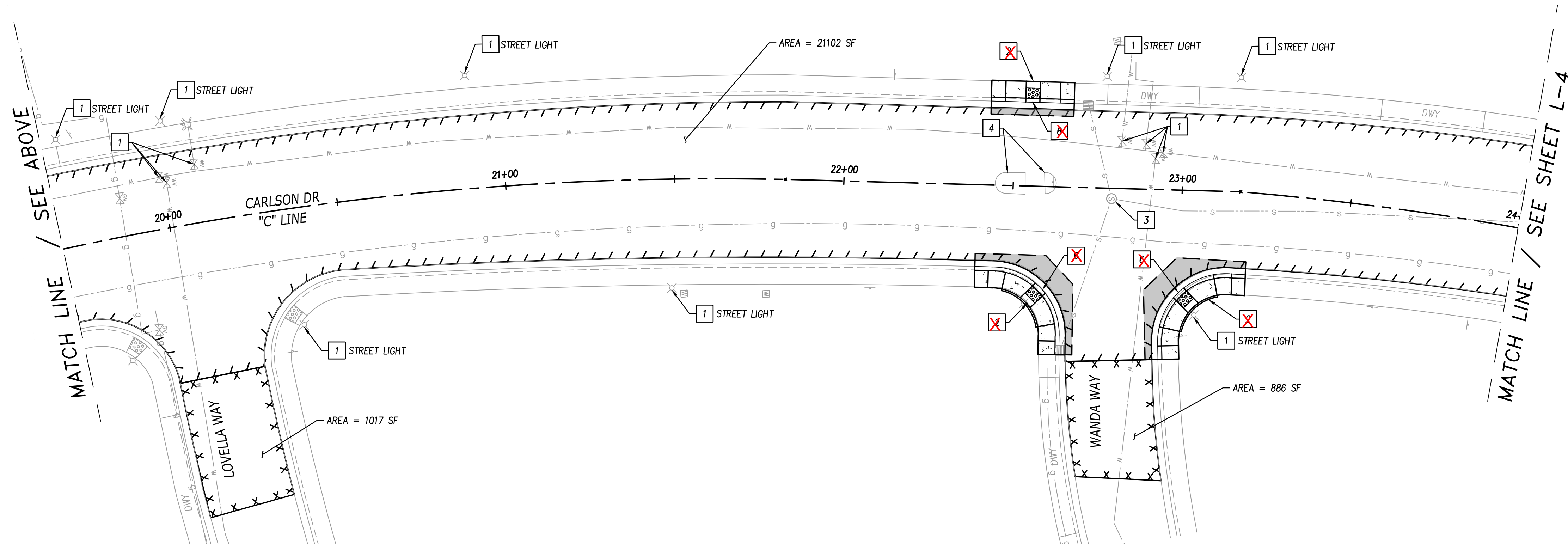
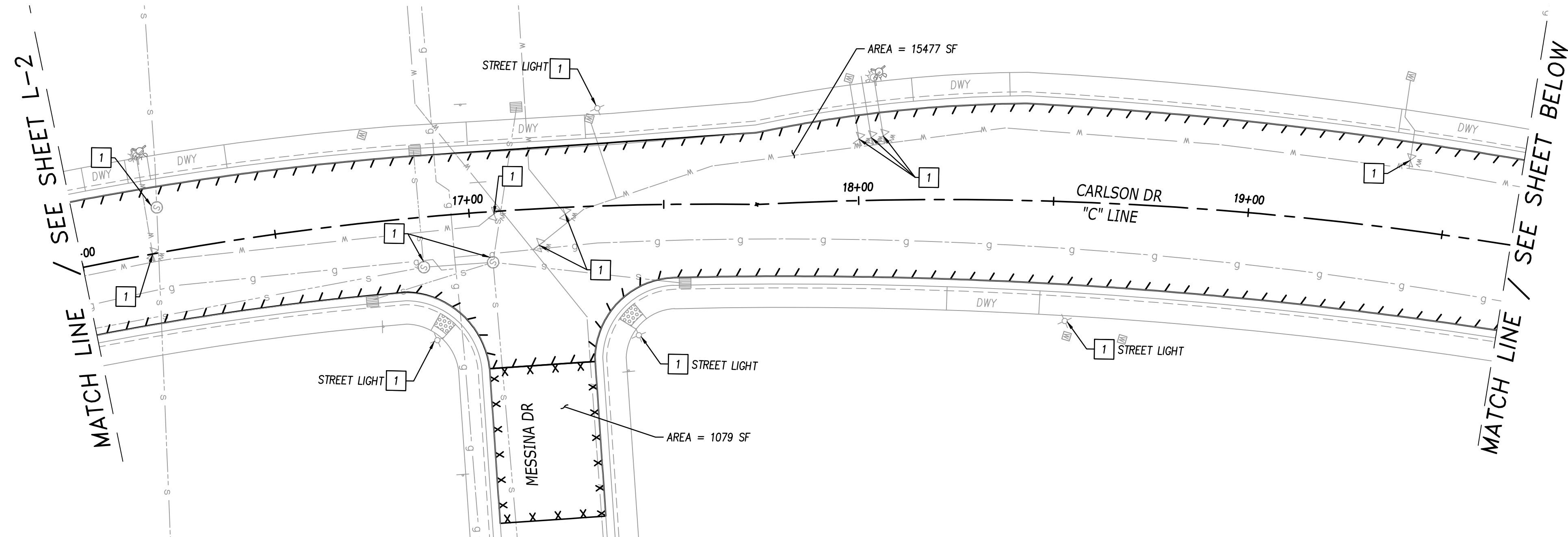


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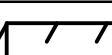
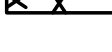
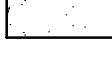
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NO.	DESCRIPTION	DATE	BY													
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				---				VERT: N/A								

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- ## LAYOUT AND STRIPING NOTES:
- | | |
|---|--|
| 1 | PROTECT IN PLACE |
| X | REMOVE AND REPLACE SINGLE PAN CURB RAMP AND TRUNCATED DOME PER CITY STD DWG NO T-71 AND T-79 |
| 3 | ADJUST MANHOLE TO GRADE |
| 4 | PROTECT PEDESTRIAN REFUGE ISLAND IN PLACE |
| 5 | INSTALL MODULAR CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1 |
| X | INSTALL CURB AND GUTTER TYPE 1 PER CITY STD DWG T-11 |

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|  | MICROSURFACE
RUBBERIZED CHIP SEAL |
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REVISIONS				BENCH MARK	ELEV	--.-- FT	FIELD BOOK
NO.	DESCRIPTION	DATE	BY	DESCRIPTION			
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HORIZ: 1"=20'

VERT: N/A

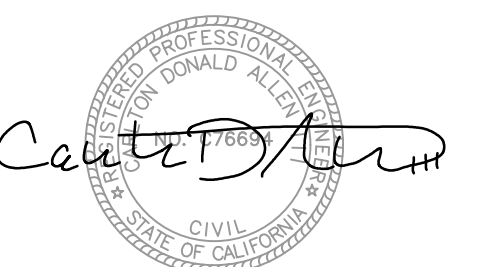
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DEPARTMENT OF PUBLIC WORKS

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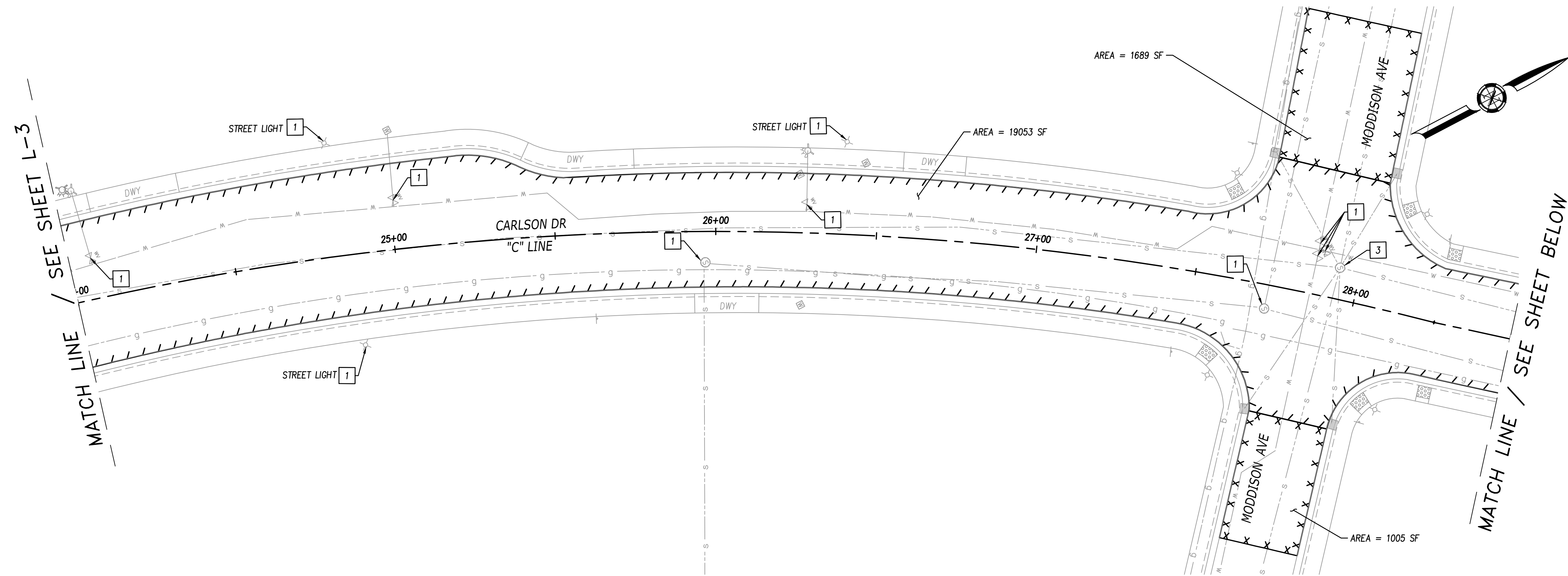
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Roseville, California 95661
T 916.783.4100

IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE LAYOUT PLAN

DWG. NO.
L-3
SHEET
5
— OF —
24



ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



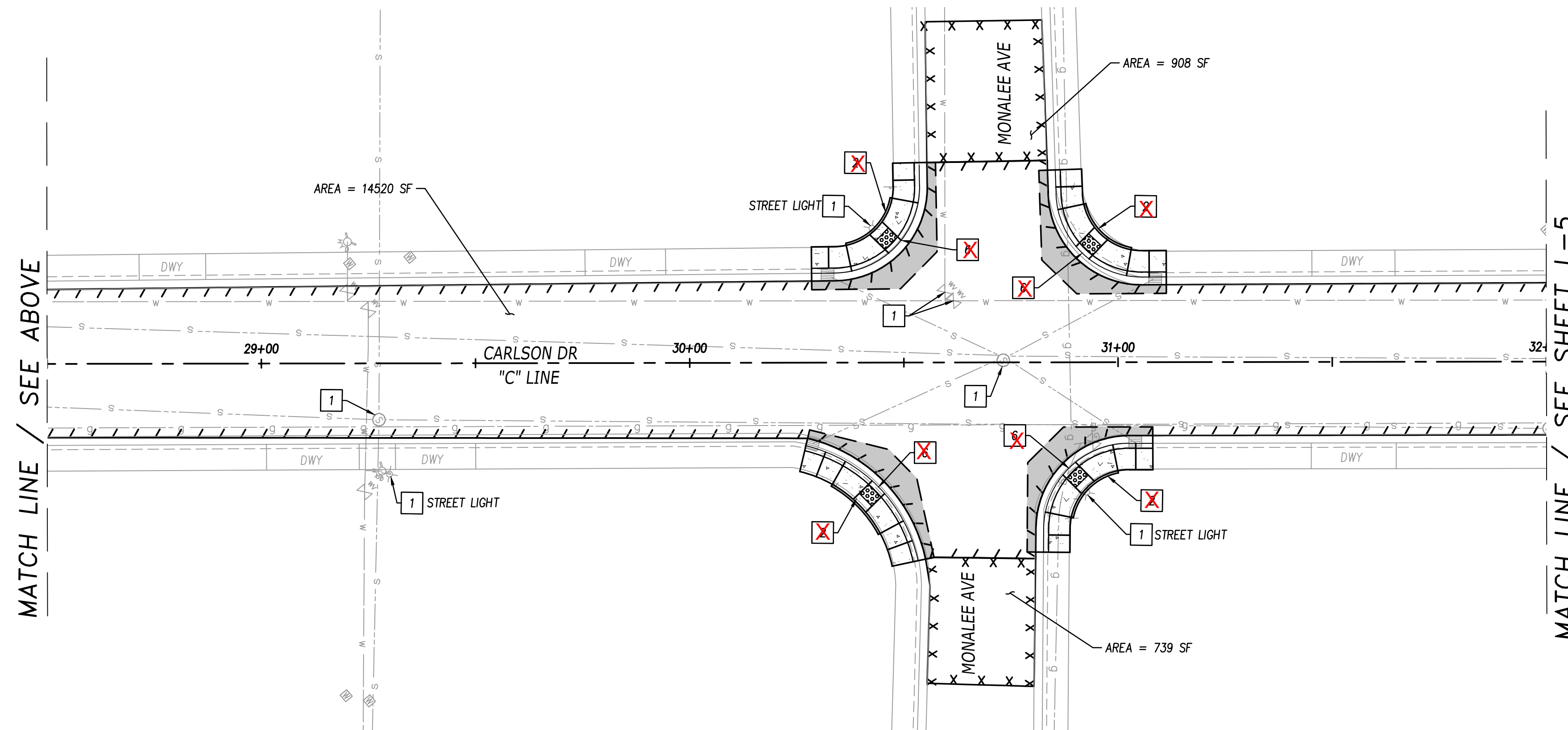
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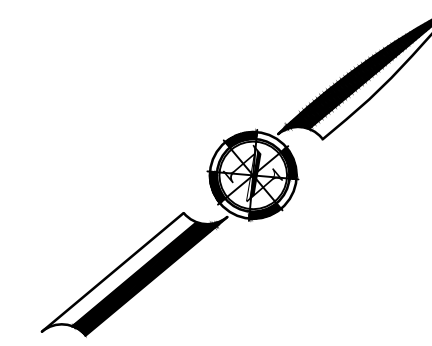


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NO.	DESCRIPTION	DATE	BY																
SCALE HORIZ: 1"=20' VERT: N/A				DRAWN BY: M.VINCENT DATE 04/14/26		DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26		CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26		R15200035									

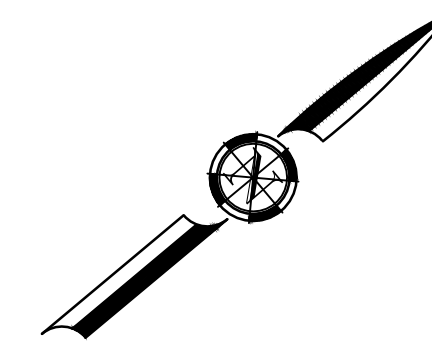
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- 36'-0"
- MATCH LINE / SEE SHEET BELOW

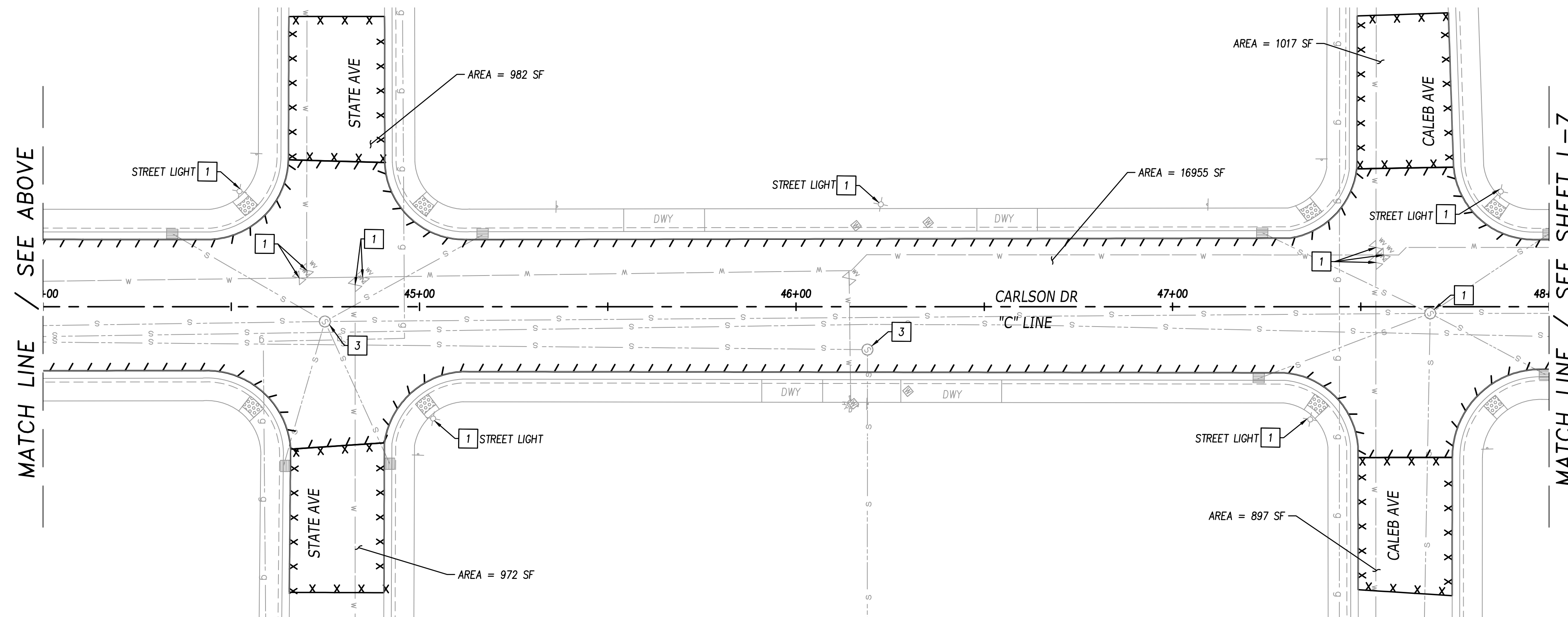
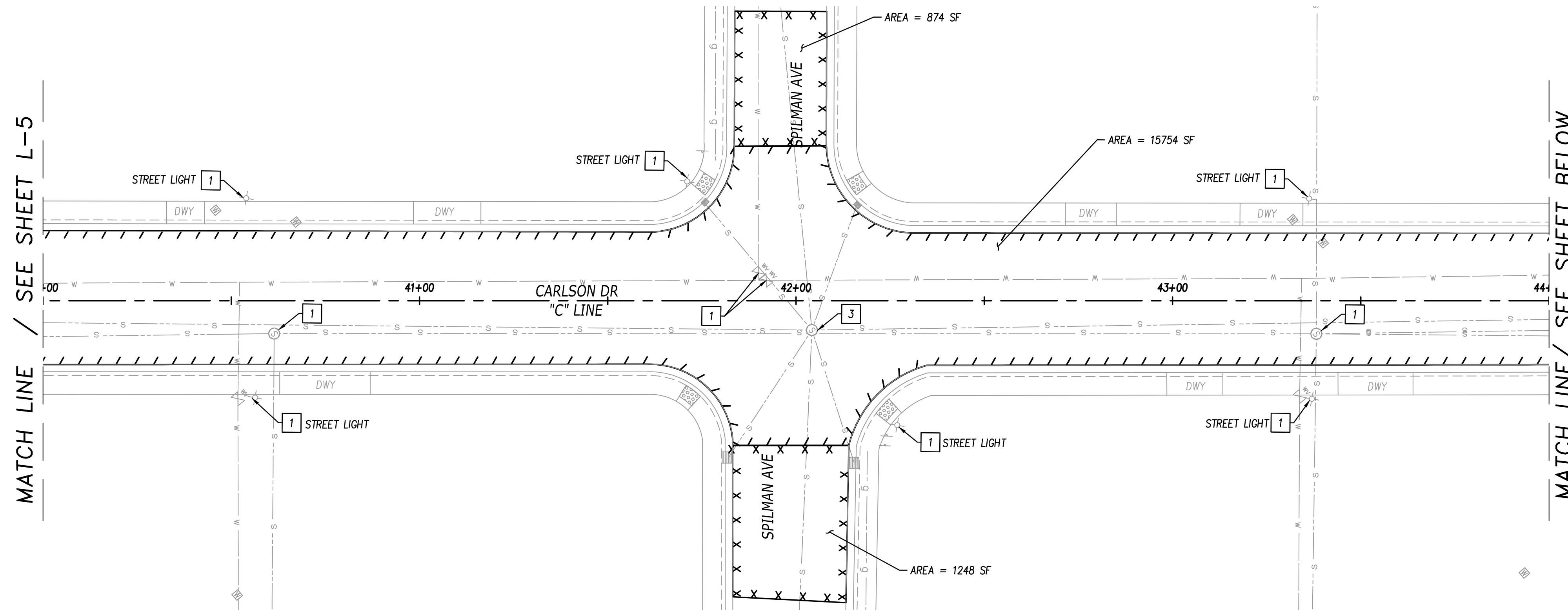


- MATCH LINE / SEE SHEET L-6

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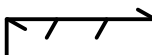
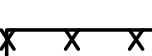
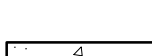
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- ## LAYOUT AND STRIPING NOTES:
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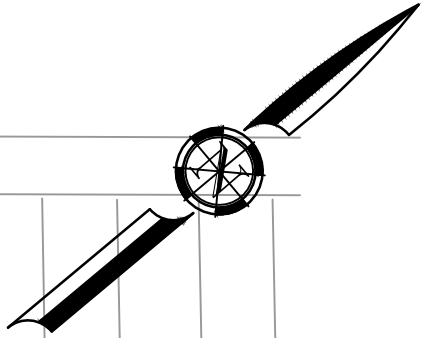
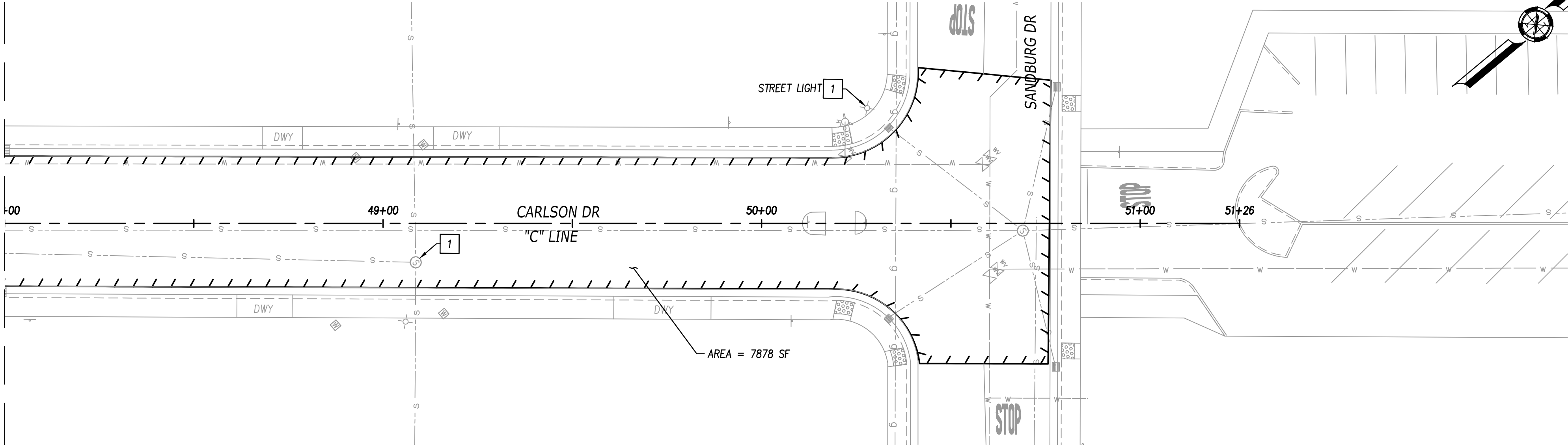
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NO.	DESCRIPTION			DATE	BY	DESCRIPTION				SCALE		DRAWN BY: M.VINCENT						DESIGN BY: J.VARNEDOE		CHECKED BY: C.ALLEN		1082 Sunrise Avenue, Suite 100						Roseville, California 95661		T 916.783.4100		R15200035		L-6	
										HORIZ: 1"=20'		DATE 04/14/26						R.C.E. N/A		DATE 04/14/26										SHEET		8			
										VERT: N/A								DATE 04/14/26		R.C.E. C76694		DATE 04/14/26										OF		24	

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

PLOT STAMP: Logix Name: jvarnedoe Plot Date: April 14, 2026 - 11:46 am

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MATCH LINE / SEE SHEET L-6



LAYOUT AND STRIPING NOTES:

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- MICROSURFACE
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- 12" ASPHALT CONCRETE



REVISIONS				BENCH MARK DESCRIPTION	ELEV --.-- FT	FIELD BOOK
NO.	DESCRIPTION	DATE	BY			

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

SCALE
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BEN EN
1082 Sunrise Avenue, Suite 100
Roseville, California 95661
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IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION
CARLSON DRIVE
LAYOUT PLAN

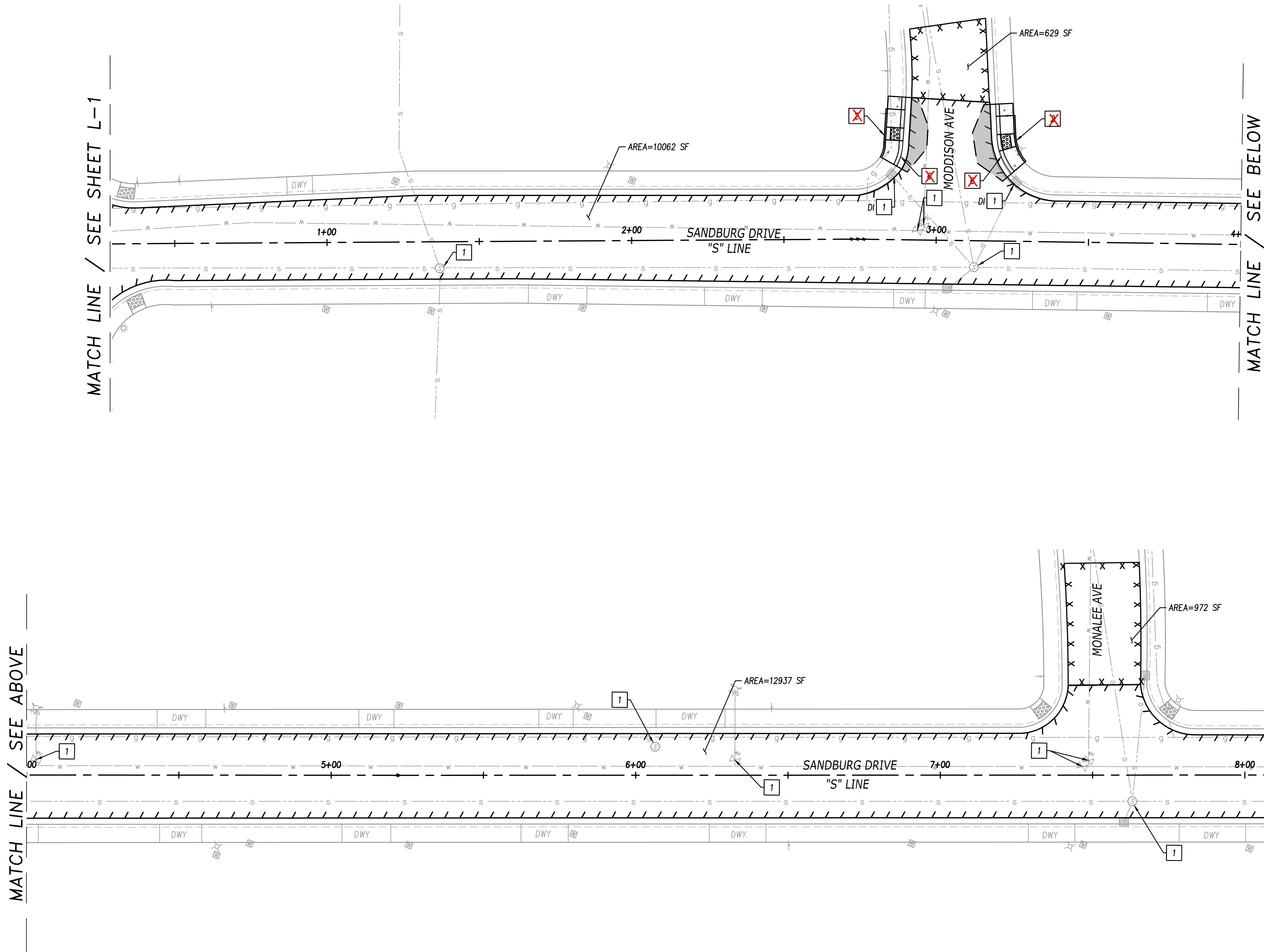
R15200035

DWG. NO.
L-7
SHEET
9
OF
24

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

Plot Stamp: Log Name: Jernedoe Plot Date: April 14, 2026 - 11:47 am

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LAYOUT AND STRIPING NOTES:

- 1 PROTECT IN PLACE
- 2 REMOVE AND REPLACE SINGLE PAN CURB RAMP AND TRUNCATED DOME PER CITY STD DWG NO T-71 AND T-79
- 3 ADJUST MANHOLE TO GRADE
- 4 PROTECT PEDESTRIAN REFUGE ISLAND IN PLACE
- 5 INSTALL TUFF CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1
- 6 INSTALL CURB AND GUTTER TYPE 1 PER CITY STD DWG T-11

NOTES:

- 1. CONTRACTOR TO ADJUST TO GRADE ALL UTILITIES WITHIN ROAD REHABILITATION LIMITS UNLESS OTHERWISE NOTED.
- 2. CONTRACTOR TO PROTECT ALL UTILITIES IN PLACE OUTSIDE ROAD REHABILITATION LIMITS, UNLESS OTHERWISE NOTED.
- 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

LEGEND:

- MICROSURFACE RUBBERIZED CHIP SEAL
- MICROSURFACE
- CONCRETE (SEE CITY DETAILS)
- 12" ASPHALT CONCRETE

REVISIONS				BENCH MARK DESCRIPTION	ELEV --.-- FT	FIELD BOOK	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			DRAWN BY: M.VINCENT DATE 04/14/26	DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26	CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE LAYOUT PLAN			DWG. NO. L-8 SHEET 10 OF 24
NO.	DESCRIPTION	DATE	BY													

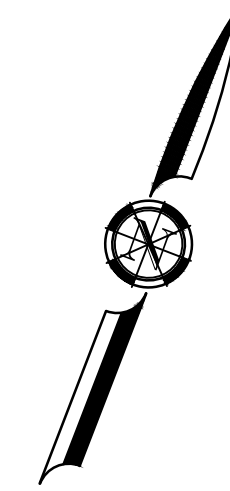
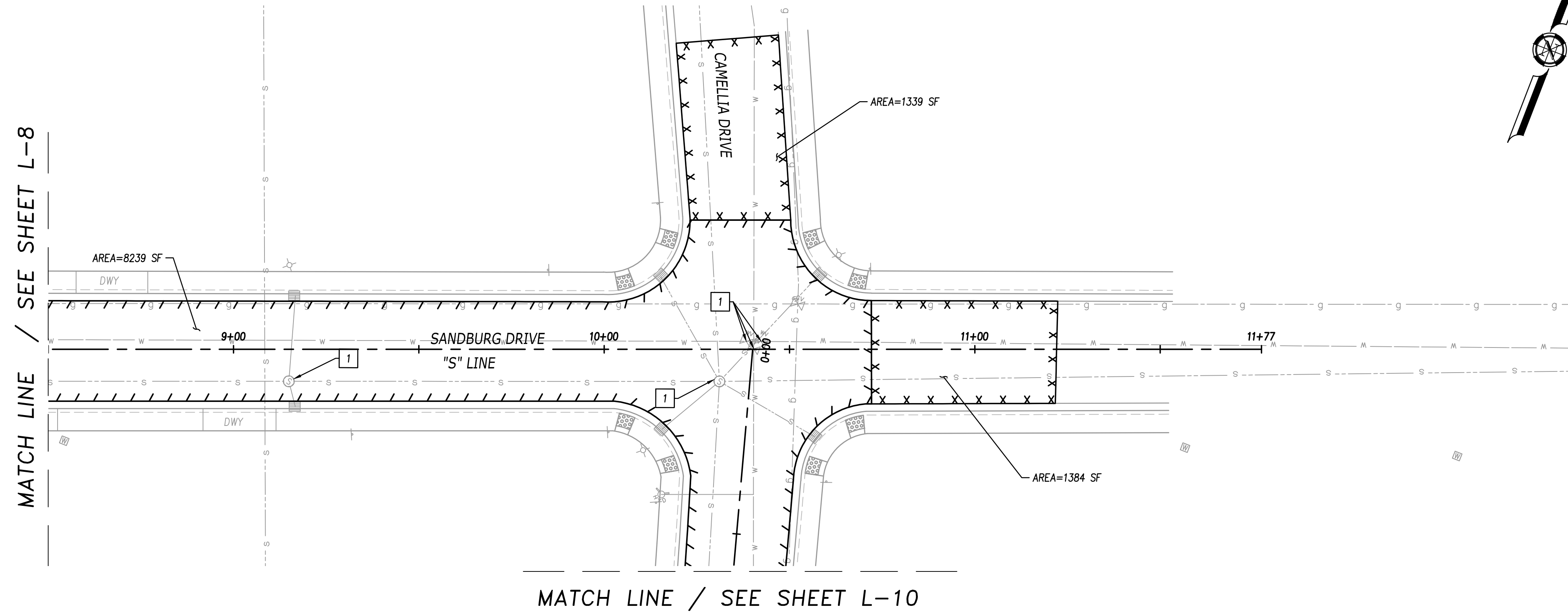
1082 Sunrise Avenue, Suite 100
Roseville, California 95661
916.783.4100

BEN

EN

Civil Engineer
DONALD ALLEN
1788
CIVIL ENGINEER
STATE OF CALIFORNIA
1788

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



LAYOUT AND STRIPING NOTES:

- | | |
|---|--|
| 1 | PROTECT IN PLACE |
| X | REMOVE AND REPLACE SINGLE PAN CURB RAMP AND TRUNCATED DOME PER CITY STD DWG NO T-71 AND T-79 |
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| 5 | INSTALL TUFF CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1 |
| X | INSTALL CURB AND GUTTER TYPE 1 PER CITY STD DWG T-11 |

NOTES:

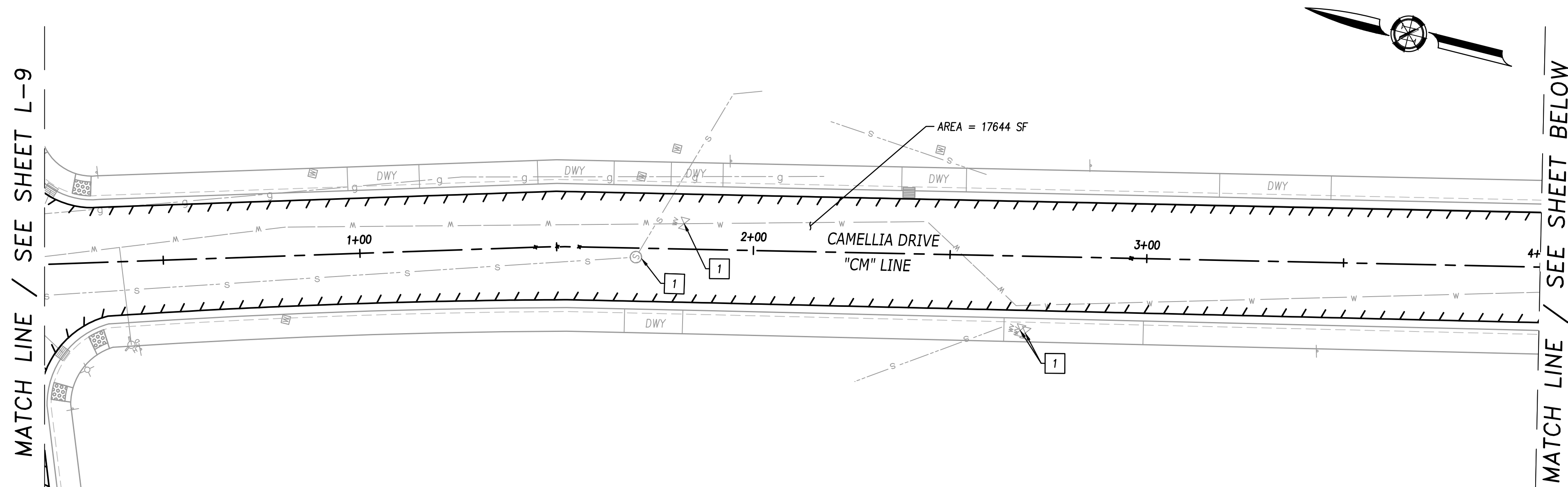
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LEGEND:

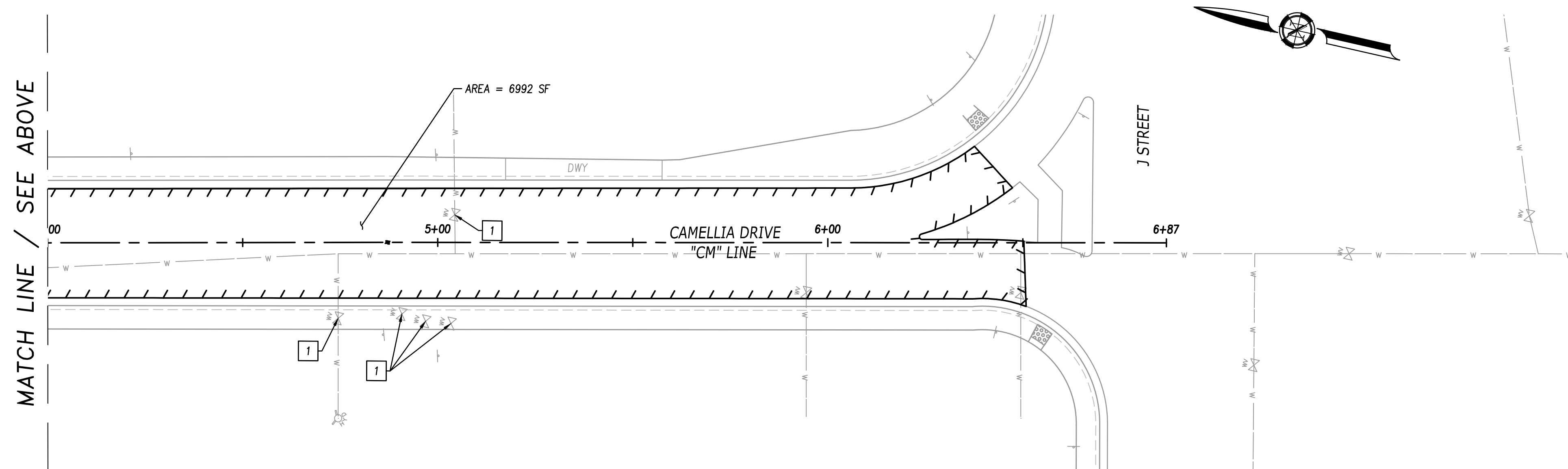
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REVISIONS				BENCH MARK ELEV ---,--- FT	FIELD BOOK	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			BENEN 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 T 916.783.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION SANDBURG DRIVE LAYOUT PLAN			DWG. NO. L-9	
NO.	DESCRIPTION	DATE	BY											DESCRIPTION
SCALE					DRAWN BY: M.VINCENT DATE 04/14/26	DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26	CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26	R15200035			SHEET 11 — OF — 24			
HORIZ: 1"=20'														
VERT: N/A														

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- ## LAYOUT AND STRIPING NOTES:
- | | |
|---|--|
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 3. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITIVELY LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

LEGEND:

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REVISIONS				BENCH MARK		FIELD BOOK		CITY OF SACRAMENTO						BEN EN		IMPROVEMENT PLANS FOR						DWG. NO.			
NO.	DESCRIPTION		DATE	BY	DESCRIPTION	ELEV	--- -- FT	SCALE		DEPARTMENT OF PUBLIC WORKS															
					---			HORIZ: 1"=20'		DRAWN BY: M.VINCENT		DESIGN BY: J.VARNEDOE		CHECKED BY: C.ALLEN		1082 Sunrise Avenue, Suite 100 Roseville, California 95661 916.783.4100						R15200035		L-10	
					---			VERT: N/A		DATE 04/14/26		R.C.E. N/A DATE 04/14/26		R.C.E. C76694 DATE 04/14/26											
					---																	12			
					---																	— OF —			
					---																	24			

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE CITY OF SACRAMENTO DESIGN AND PROCEDURES MANUAL, DATED SEPTEMBER 1990, THE CITY OF SACRAMENTO STANDARD SPECIFICATIONS, DATED NOVEMBER 2020, CALTRANS STANDARD PLANS, 2015 EDITION, AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD), 2014 EDITION.
2. THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING WORK WITHIN THE PUBLIC RIGHT OF WAY ONLY.
3. ALL EXISTING SIGNING, STRIPING, AND MARKINGS TO REMAIN, UNLESS OTHERWISE NOTED. CONFLICTS BETWEEN EXISTING AND PROPOSED SHALL BE RESOLVED BY THE ENGINEER.
4. ALL STRIPING AND MARKINGS SHALL BE THERMOPLASTIC, UNLESS NOTED OTHERWISE. 3M TAPE (OR APPROVED EQUIVALENT) SHALL BE USED ON CONCRETE SURFACES.
5. EXACT POSITION AND LOCATION OF ALL ROADSIDE SIGNS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
6. REMOVAL OF EXISTING STRIPING AND PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY APPROVED GRINDING METHOD.
7. CROSSWALKS SHALL BE 12 FEET WIDE INCLUDING THE 12" SOLID PAVEMENT MARKINGS AND SHALL BE WHITE UNLESS OTHERWISE NOTED.
8. ALL SIGNING AND STRIPING WORK SHALL BE COORDINATED WITH THE ELECTRICAL WORK AS DIRECTED BY THE ENGINEER.
9. LANE WIDTHS ADJACENT TO CURBS ARE MEASURED TO THE FACE OF CURB.
10. TRAFFIC SIGNS SHALL BE INSTALLED BEHIND THE SIDEWALK WHEN THE SIDEWALK IS IMMEDIATELY ADJACENT TO THE CURB. SIGNS SHALL BE INSTALLED BETWEEN THE CURB AND SIDEWALK WHEN THE SIDEWALK IS DETACHED. SIGNS IN PEDESTRIAN AREAS SHALL HAVE A CLEARANCE FROM THE GROUND OF AT LEAST SEVEN FEET. IF THIS CLEARANCE REQUIREMENT IS NOT SATISFIED AFTER THE INSTALLATION OF ADDITIONAL SIGN PANELS, CONTRACTOR SHALL INSTALL A NEW SIGN POST.
11. ALL ROADWAY SIGNS (REGULATORY, WARNING, GUIDE, SCHOOL ZONE AND OBJECT MARKERS) SHALL INCLUDE ASTM TYPE XI SHEETING. FOR ALL OTHER SIGNS, USE ASTM TYPE II SHEETING. FLUORESCENT YELLOW-GREEN SHALL NOT BE USED IN ANY SIGNS OTHER THAN SCHOOL RELATED SIGNAGE.
12. MOUNT SIGNS USING BANDING ON SIGNAL AND STREET LIGHT POLES WHERE FEASIBLE. SEE ELECTRICAL PLANS FOR POLE LOCATIONS.
13. CONTRACTOR SHALL VERIFY WITH THE ENGINEER THE EXACT STREET NAME AND STREET ADDRESS FOR PLACEMENT ON STREET NAME SIGNS PRIOR TO ORDERING SIGNS.
14. ALL SIGNS REGULATING PARKING SHALL BE DOUBLE SIDED AND SIDE MOUNTED, UNLESS SHOWN OTHERWISE.
15. AT NEWLY SIGNALIZED LOCATIONS, REMOVE EXISTING STOP SIGNS, STOP LEGENDS AND STANCHIONS AT THE TIME SIGNAL IS TURNED ON.
16. CONTRACTOR SHALL DELIVER ALL REMOVED ROADWAY SIGNS TO THE CITY OF SACRAMENTO SOUTH AREA CORPORATION YARD AT 5730 24TH STREET, BLDG 10, 95822, PHONE (916) 808-4038
17. CALTRANS G7 SIGNS ARE NOW REFERED TO AS D3 MODS.
18. DETAIL 35 (MOD) TO BE PLACED PER CITY STD DWG T-180.
19. RED CURB PAINTING TO BE PLACED PER CITY STD DWG T-160.



REVISIONS				BENCH MARK	ELEV. <u> --.-- FT </u>	FIELD BOOK
NO.	DESCRIPTION	DATE	BY	DESCRIPTION		
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SCALE

HORIZ.: N/A

VERT.: N/A

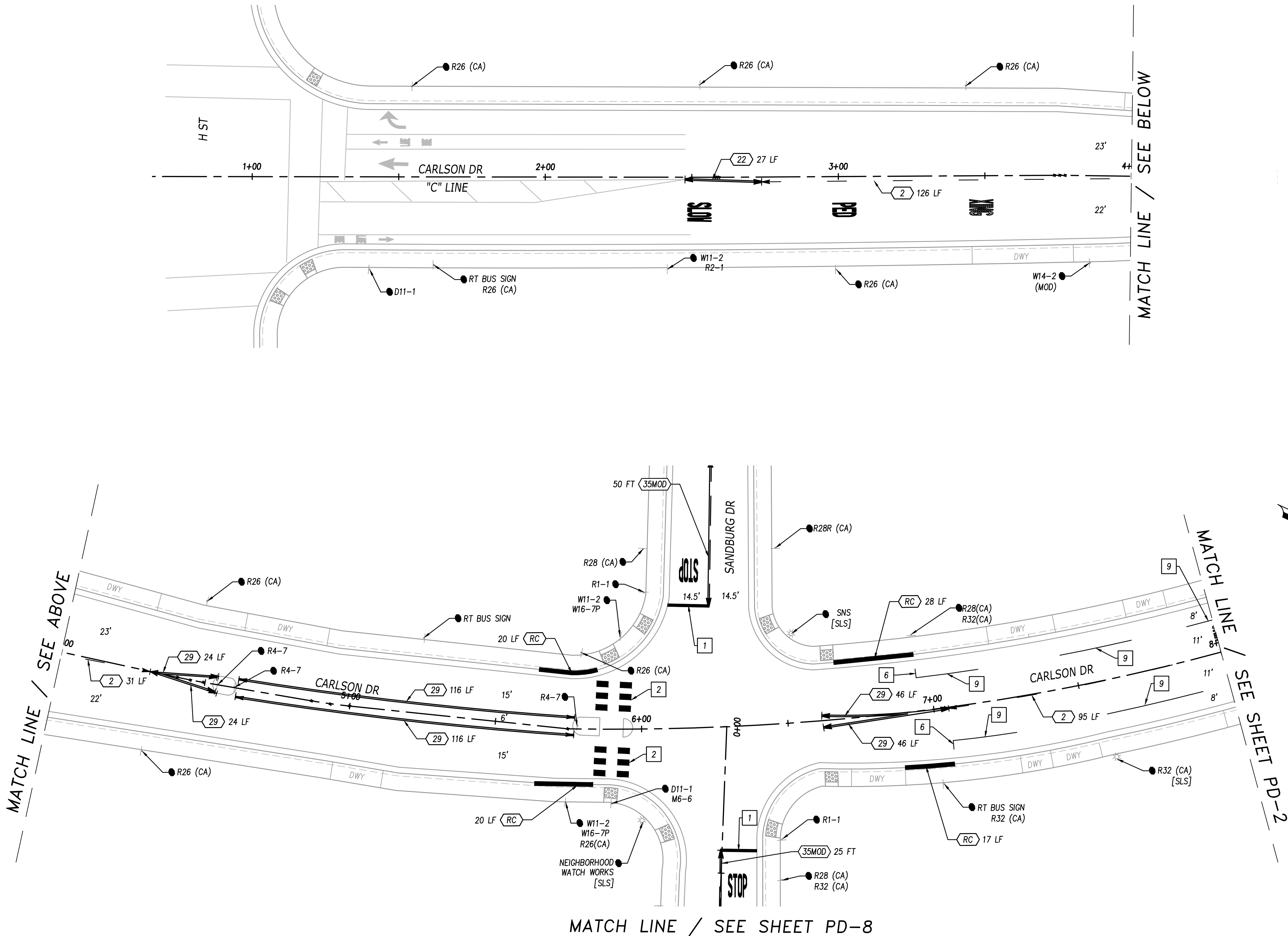
CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: <u>M.VINCENT</u> DATE: <u>N/A</u>	DESIGN BY: <u>J.VARNEDOE</u> R.C.E. <u>N/A</u> DATE <u>04/14/26</u>	CHECKED BY: <u>C.ALLEN</u> R.C.E. <u>C76694</u> DATE <u>04/14/26</u>	

 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 ☎ 916.783.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING	DWG. NO. SS-1	SHEET 13 — OF — 24
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

PLOT STAMP: Log Name: jvarnedoe Post Date: April 14, 2026 - 11:46 am

CAD FILE: P:\Pro\23356-01-Sacramento PW 2023_Corion Drive Rehabilitation\11-PLANS\MASTERS\SHEETS\23356-01_2 - PD-1-PAVEMENT DELINEATION.dwg
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- STRIPING NOTES:
- 1 INSTALL 12" WHITE STRIPE
 - 2 INSTALL TRIPLE FOUR CROSSWALK PER CITY STD DWG T-185
 - 3 INSTALL WHITE LADDER CROSSWALK PER CITY STD DWG T-186
 - 4 INSTALL 4" WHITE 45° DIAGONAL STRIPE 5' O.C.
 - 5 INSTALL SPEED HUMP STRIPING PER CITY STD DWG T-221
 - 6 INSTALL 4" WHITE PARKING END BRACKET STRIPE PER DETAIL ON SHEET SS-1
 - 7 INSTALL YELLOW LADDER CROSSWALK PER CITY STD DWG T-186
 - 8 INSTALL YELLOW TRIPLE FOUR CROSSWALK PER CITY STD DWG T-185
 - 9 INSTALL 4" SOLID WHITE STRIPE
 - 10 INSTALL MODULAR CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1

- NOTES:
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- LEGEND:
- CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
 - BIKE LANE PAVEMENT MARKING PER MUTCD FIGURE 9C-3(C)
 - TYPE IV ARROW (Lt OR Rt) PAVEMENT MARKING PER CALTRANS STD PLAN A24A
 - TYPE I 10'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A
 - STOP PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - AHEAD PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - PED PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - XING PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - INSTALL ROADSIDE SIGN
 - RELOCATE EXISTING SIGN
 - EXISTING ROADSIDE SIGN TO REMAIN
 - REMOVE ROADSIDE SIGN
 - EXISTING ROADSIDE SIGN LOCATION
 - PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
 - PROPOSED ROADSIDE SIGN LOCATION (SIDE MOUNTED)
 - EXISTING FIRE HYDRANT



REVISIONS				BENCH MARK	ELEV	--- FT
NO.	DESCRIPTION	DATE	BY			

FIELD BOOK

SCALE
HORIZ: 1"=20'
VERT: N/A

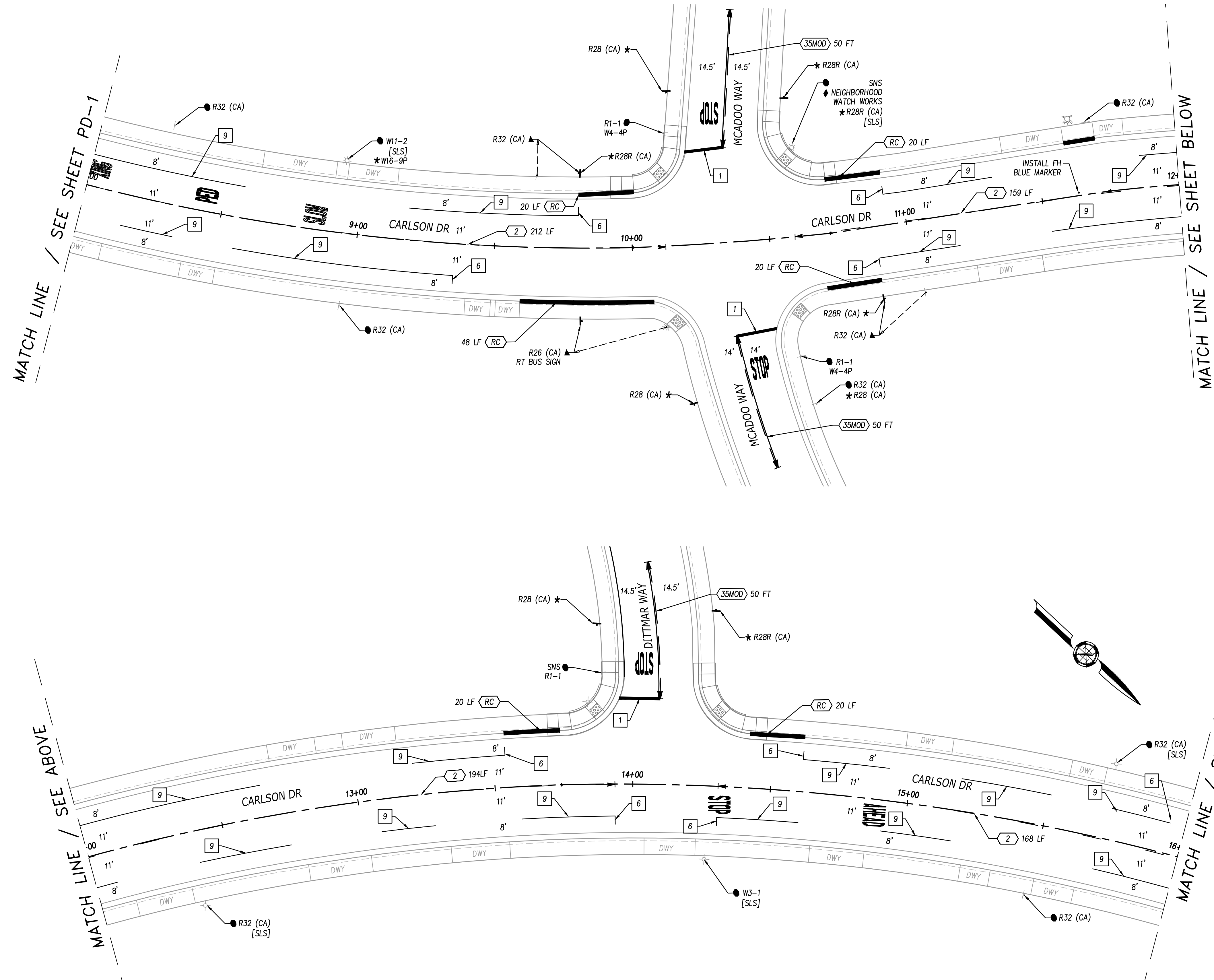
CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			
DRAWN BY: M.VINCENT	DESIGN BY: J.VARNEDOE	CHECKED BY: C.ALLEN	
DATE: N/A	R.C.E. N/A DATE 04/14/26	R.C.E. C76694 DATE 04/14/26	

BEN EN
1082 Sunrise Avenue, Suite 100
Roseville, California 95661
T 916.783.4100

IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION
CARLSON DRIVE
SIGNAGE AND STRIPING

R15200035	DWG. NO.	SS-2
	SHEET	14
	OF	24

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



- ## STRIPING NOTES:
- | | |
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| 6 | INSTALL 4" WHITE PARKING END BRACKET STRIPE PER DETAIL ON SHEET SS-1 |
| 7 | INSTALL YELLOW LADDER CROSSWALK PER CITY STD DWG T-186 |
| 8 | INSTALL YELLOW TRIPLE FOUR CROSSWALK PER CITY STD DWG T-185 |
| 9 | INSTALL 4" SOLID WHITE STRIPE |
| 10 | INSTALL MODULAR CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1 |

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- LEGEND:**
- | | |
|---|--------------------------------------|
|  | CALTRANS STRIPING DETAIL NUMBER WITH |
| ## LF | LENGTH IN FEET |

- BIKE LANE PAVEMENT MARKING
PER MUTCD FIGURE 9C-3(C)

- TYPE IV ARROW (Lt OR Rt) PAVEMENT MARK
PER CALTRANS STD PLAN A24A

- TYPE I 10'-0" ARROW PAVEMENT MARKING
PER CALTRANS STD PLAN A24A

- STOP** STOP PAVEMENT MARKING PER CALTRANS ST
PLAN A24D

- AHEAD** AHEAD PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

- PED** PED PAVEMENT MARKING PER CALTRANS STD
PLAN A24D

- XING** XING PAVEMENT MARKING PER CALTRANS ST
PLAN A24D

- SU** SLOW PAVEMENT MARKING PER CALTRANS ST
PLAN A24D

- SCHOOL** SCHOOL PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

- * INSTALL ROADSIDE SIGN

- ▲ RELOCATE EXISTING SIGN 

- ◆ REMOVE ROADSIDE SIGN

- EXISTING ROADSIDE SIGN LOCATION

- PROPOSED ROADSIDE SIGN LOCATION
(POST MOUNTED)

- PROPOSED ROADSIDE SIGN LOCATION
(SIDE MOUNTED)

-  EXISTING FIRE HYDRANT

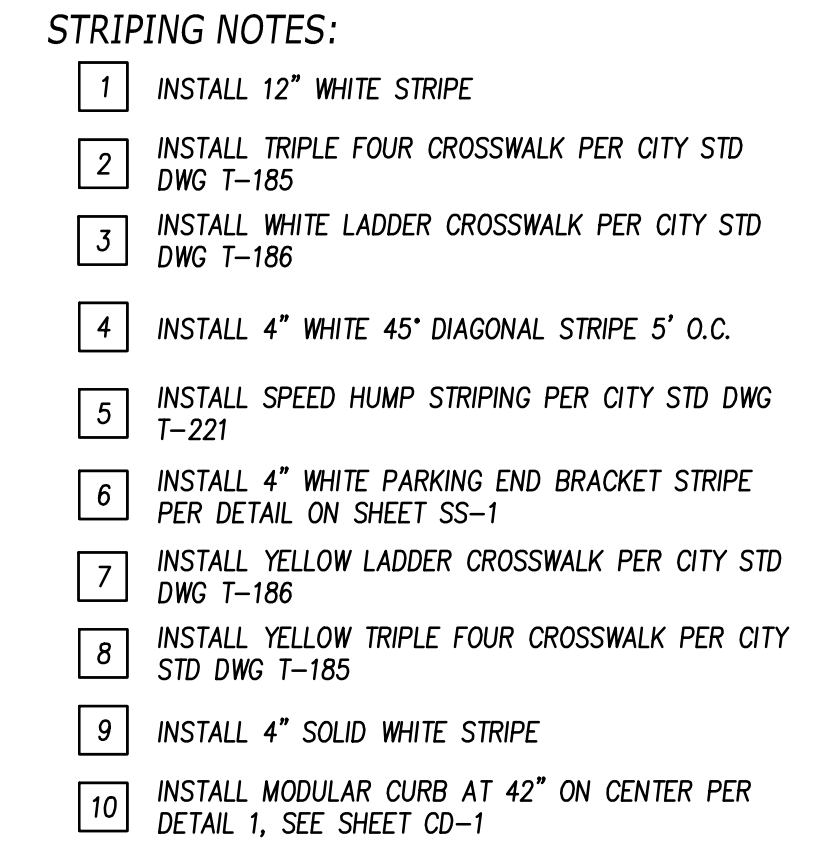


REVISIONS				BENCH MARK ELEV. ---.--- FT. DESCRIPTION --- --- --- --- ---	FIELD BOOK SCALE HORIZ: 1"=20' VERT: N/A	CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS			BEN EN 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 T 916.783.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING			DWG. NO. SS-3 SHEET 15 OF 24	R15200035
NO.	DESCRIPTION	DATE	BY											
				DRAWN BY: M.VINCENT DATE 04/14/26			DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26		CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26					

PLOT STAMP: Login Name: jvamedoe
Plot Date: April 14, 2026 - 11:46 am

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CAD FILE: XREFS: BDR-23356-01_H_22x34 | STAMP PE - CA | 23356-01_XR-TOPO | 23356-01_XR-SITE | 23356-01_XR-STRT | 23356-01_XR-VIEWFRAMES



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LEGEND:

 CALTRANS STRIPING DETAIL NUMBER WITH
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TYPE IV ARROW (Lt OR Rt) PAVEMENT MARK
PER CALTRANS STD PLAN A24A

→ TYPE I 10'-0" ARROW PAVEMENT MARKING
PER CALTRANS STD PLAN A24A

STOP STOP PAVEMENT MARKING PER CALTRANS S
PLAN A24D

AHEAD AHEAD PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

PED PED PAVEMENT MARKING PER CALTRANS ST
PLAN A24D

XING XING PAVEMENT MARKING PER CALTRANS S
PLAN A24D

SLOW SLOW PAVEMENT MARKING PER CALTRANS S
PLAN A24D

SCHOOL SCHOOL PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

* INSTALL ROADSIDE SIGN

● EXISTING ROADSIDE SIGN TO REMAIN

◆ REMOVE ROADSIDE SIGN

PROPOSED ROADSIDE SIGN LOCATION

PROPOSED ROADSIDE SIGN LOCATION

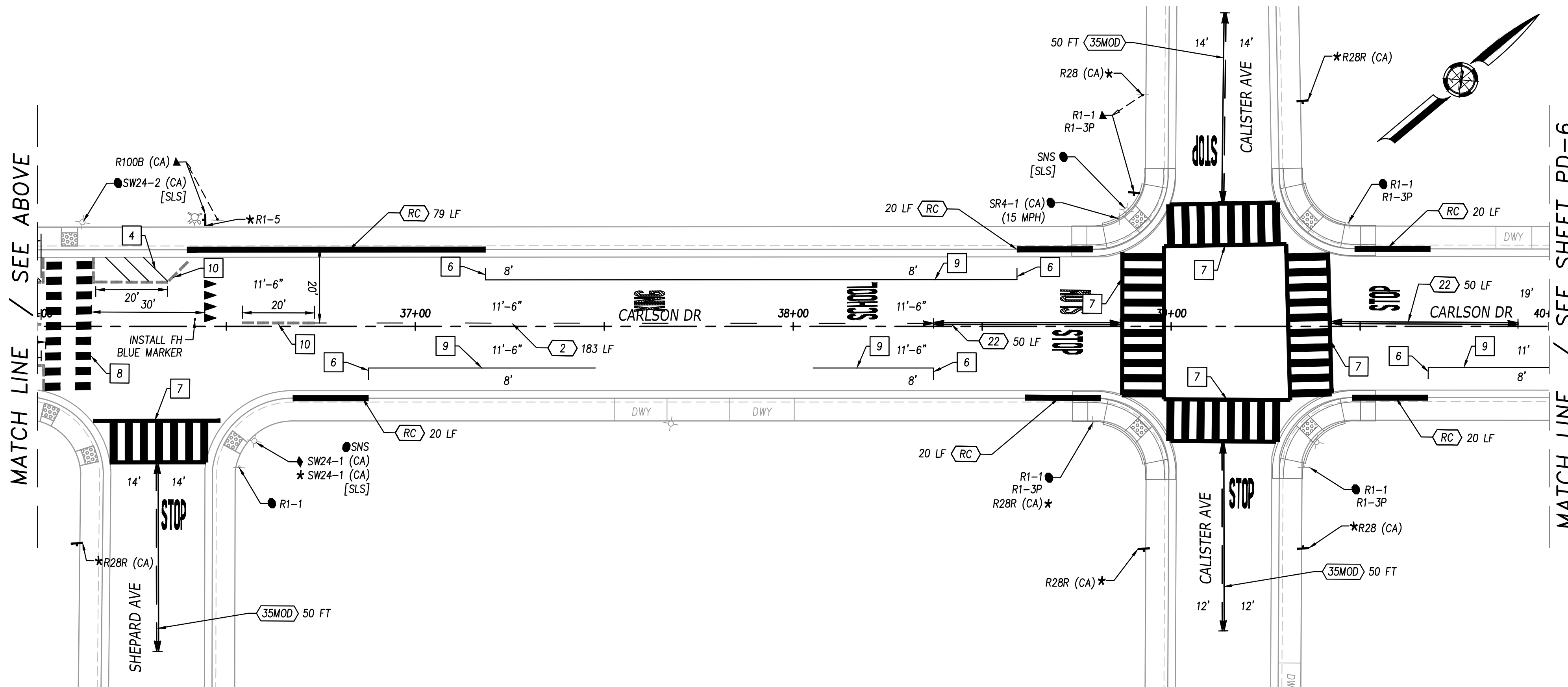
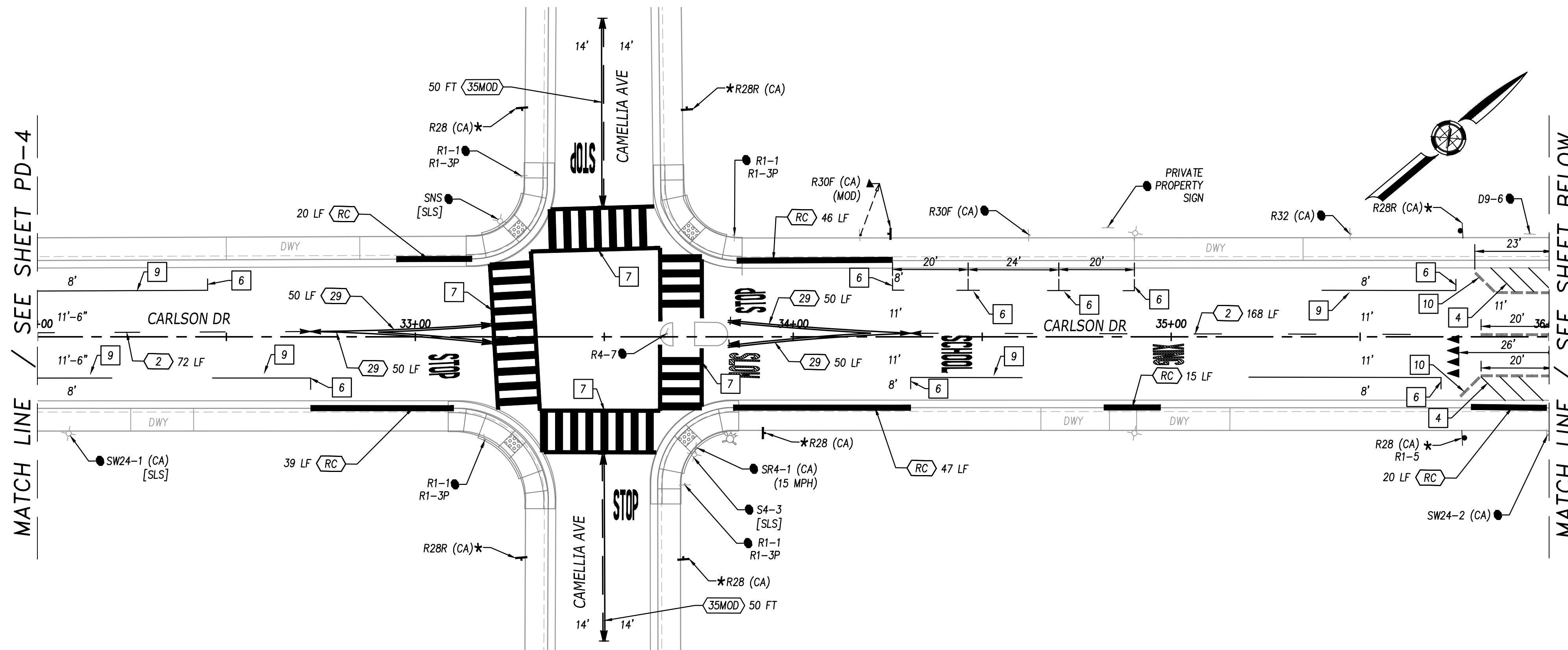
EXISTING FIRE HYDRANT



REVISIONS				BENCH MARK		FIELD BOOK		CITY OF SACRAMENTO DEPARTMENT OF PUBLIC WORKS				BEN EN 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 916.783.4100		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE SIGNAGE AND STRIPING				DWG NO. R15200035 DATE 04/14/26																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
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PLOT STAMP: Login Name: jvamedoe
Plot Date: April 14, 2026 - 11:46 am

File Name: P:\Proj\233586-01-Sacramento FW 2023_Corison Drive Renovation\1\1-PLANS\MASTERS\233586-01_2 - PD-1-PAVEMENT DELINEATION.dwg
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- ## STRIPING NOTES:
- | | |
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| 1 | INSTALL 12" WHITE STRIPE |
| 2 | INSTALL TRIPLE FOUR CROSSWALK PER CITY STD DWG T-185 |
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|  | CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET |
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|  | XING PAVEMENT MARKING PER CALTRANS STD PLAN A24D |
|  | SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A24D |
|  | SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A24D |
|  | INSTALL ROADSIDE SIGN |
|  | RELOCATE EXISTING SIGN |
|  | EXISTING ROADSIDE SIGN TO REMAIN |
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|  | EXISTING ROADSIDE SIGN LOCATION |
|  | PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED) |
|  | PROPOSED ROADSIDE SIGN LOCATION (SIDE MOUNTED) |
|  | EXISTING FIRE HYDRANT |

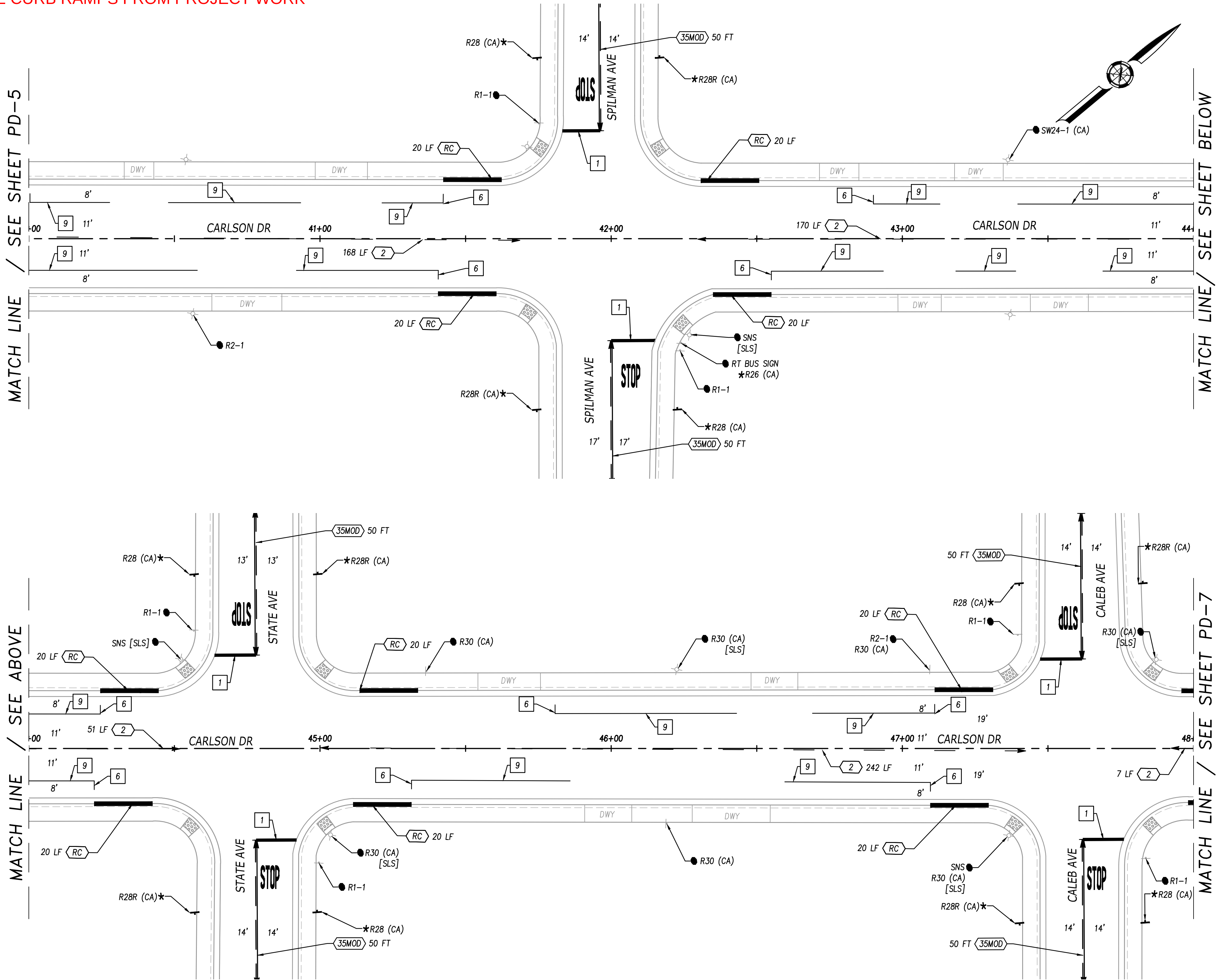


REVISIONS				BENCH MARK		FIELD BOOK		CITY OF SACRAMENTO				BENEN		IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION		CARLSON DRIVE		DWG. NO. SS-6	
NO.	DESCRIPTION	DATE	BY	DESCRIPTION	ELEV	---.--- FT	DEPARTMENT OF PUBLIC WORKS				DRAWN BY: M.VINCENT								
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								VERT: N/A											

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

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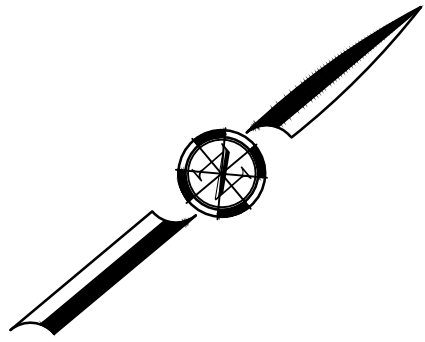
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- STRIPING NOTES:
- 1 INSTALL 12" WHITE STRIPE
 - 2 INSTALL TRIPLE FOUR CROSSWALK PER CITY STD DWG T-185
 - 3 INSTALL WHITE LADDER CROSSWALK PER CITY STD DWG T-186
 - 4 INSTALL 4" WHITE 45° DIAGONAL STRIPE 5' O.C.
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 - 10 INSTALL MODULAR CURB AT 42" ON CENTER PER DETAIL 1, SEE SHEET CD-1

- NOTES:
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 - 2. UTILITY INFORMATION SHOWN IS APPROXIMATE BASED ON SOURCES OF VARYING RELIABILITY. CONTRACTOR SHALL POSITION/LOCATE ALL EXISTING FACILITIES PRIOR TO CONSTRUCTION.

- LEGEND:
- CALTRANS STRIPING DETAIL NUMBER WITH LENGTH IN FEET
 - BIKE LANE PAVEMENT MARKING PER MUTCD FIGURE 9C-3(C)
 - TYPE IV ARROW (Lt OR Rt) PAVEMENT MARKING PER CALTRANS STD PLAN A24A
 - TYPE I 10'-0" ARROW PAVEMENT MARKING PER CALTRANS STD PLAN A24A
 - STOP PAVEMENT MARKING PER CALTRANS STD PLAN A24D
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 - PED PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - XING PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - SLOW PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - SCHOOL PAVEMENT MARKING PER CALTRANS STD PLAN A24D
 - INSTALL ROADSIDE SIGN
 - RELOCATE EXISTING SIGN
 - EXISTING ROADSIDE SIGN TO REMAIN
 - REMOVE ROADSIDE SIGN
 - EXISTING ROADSIDE SIGN LOCATION
 - PROPOSED ROADSIDE SIGN LOCATION (POST MOUNTED)
 - PROPOSED ROADSIDE SIGN LOCATION (SIDE MOUNTED)
 - EXISTING FIRE HYDRANT



REVISIONS				BENCH MARK	ELEV	--- FT	FIELD BOOK
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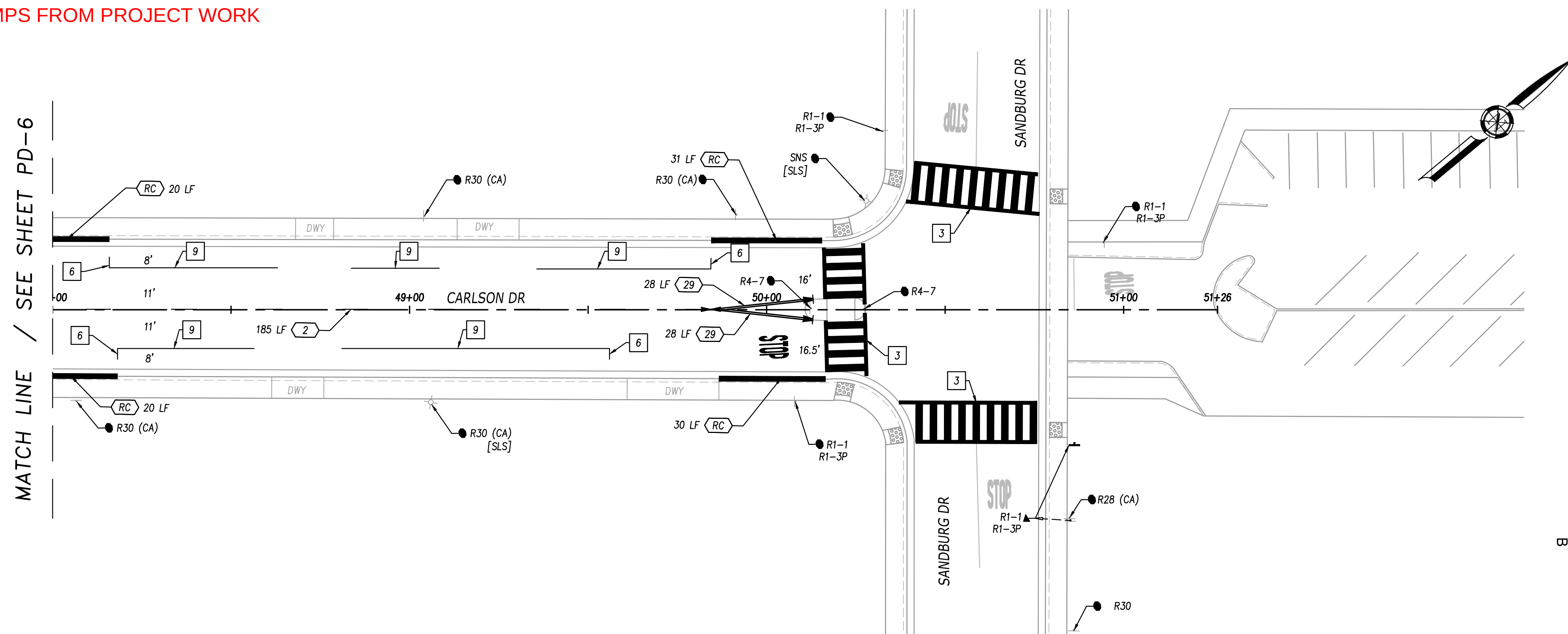
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SCALE HORIZ: 1"=20' VERT: N/A		DRAWN BY: M.VINCENT DATE: 04/14/26	DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26
		CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26	

BENEN 1082 Sunrise Avenue, Suite 100 Roseville, California 95661 916.783.4100	IMPROVEMENT PLANS FOR CARLSON DRIVE REHABILITATION CARLSON DRIVE		DWG. NO. SS-7 SHEET 19 — OF — 24
	SIGNAGE AND STRIPING		

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

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Plot Date: April 14, 2026 - 11:46 am

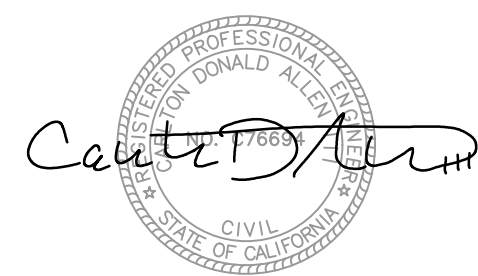
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- ## STRIPING NOTES:
- | | |
|----|--|
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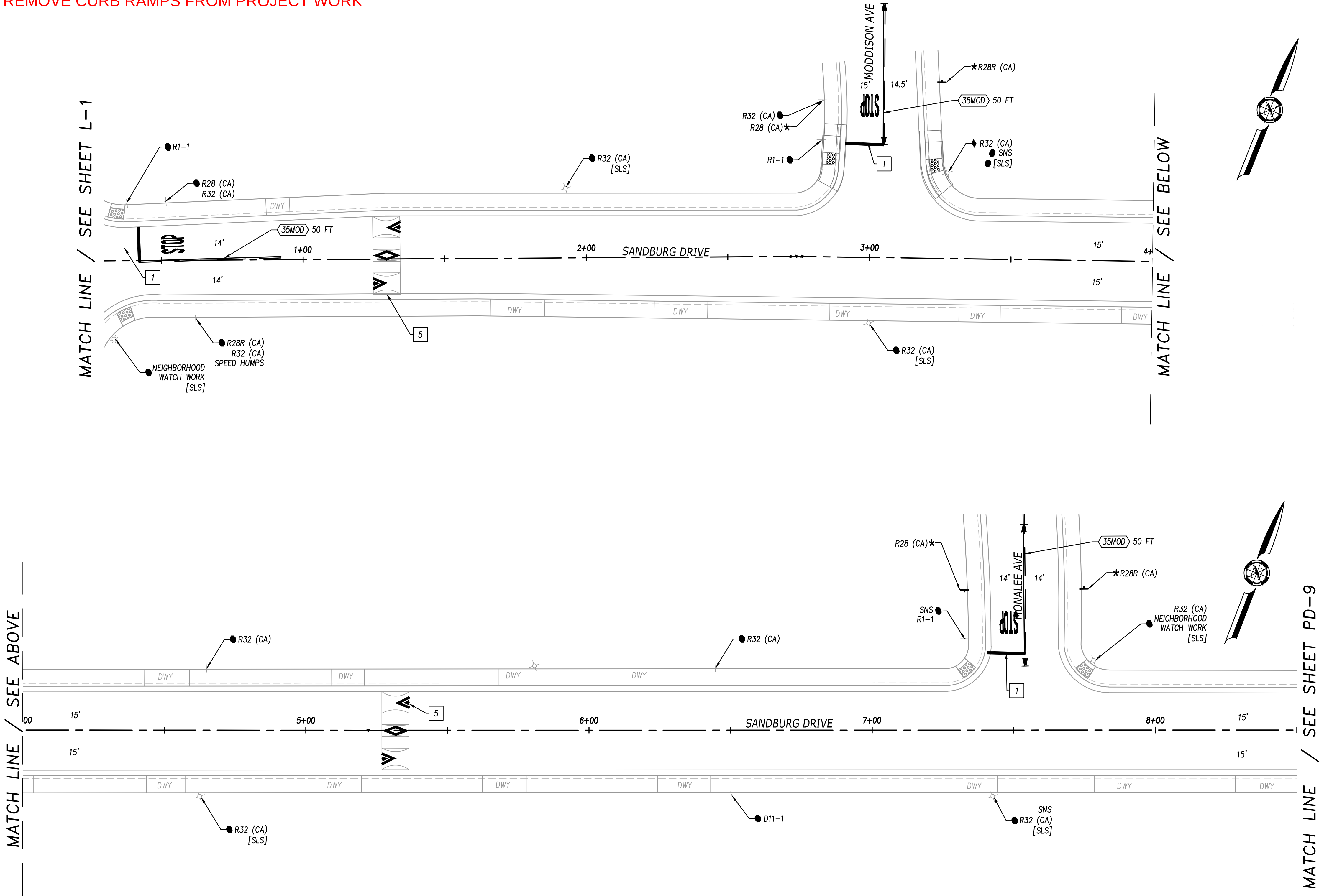


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NO.	DESCRIPTION	DATE	BY	DESCRIPTION	ELEV	---,--- FT	SCALE	HORIZ: 1"=20'	VERT: N/A	DRAWN BY: M.VINCENT	DATE 04/14/26									DESIGN BY: J.VARNEDOE	R.C.E. N/A
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

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REVISIONS				BENCH MARK		FIELD BOOK
NO.	DESCRIPTION	DATE	BY	DESCRIPTION	ELEV ---.--- FT	

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

SCALE

HORIZ: 1"=20'

VERT: N/A

DRAWN BY: M.VINCENT

DESIGN BY: J.VARNEDOE

CHECKED BY: C.ALLEN

DATE: 04/14/26

R.C.E. N/A

DATE: 04/14/26

R.C.E. C76694

BEN EN

1082 Sunrise Avenue, Suite 100
Roseville, California 95661
T 916.783.4100

IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION
SANDBURG DRIVE
SIGNAGE AND STRIPING

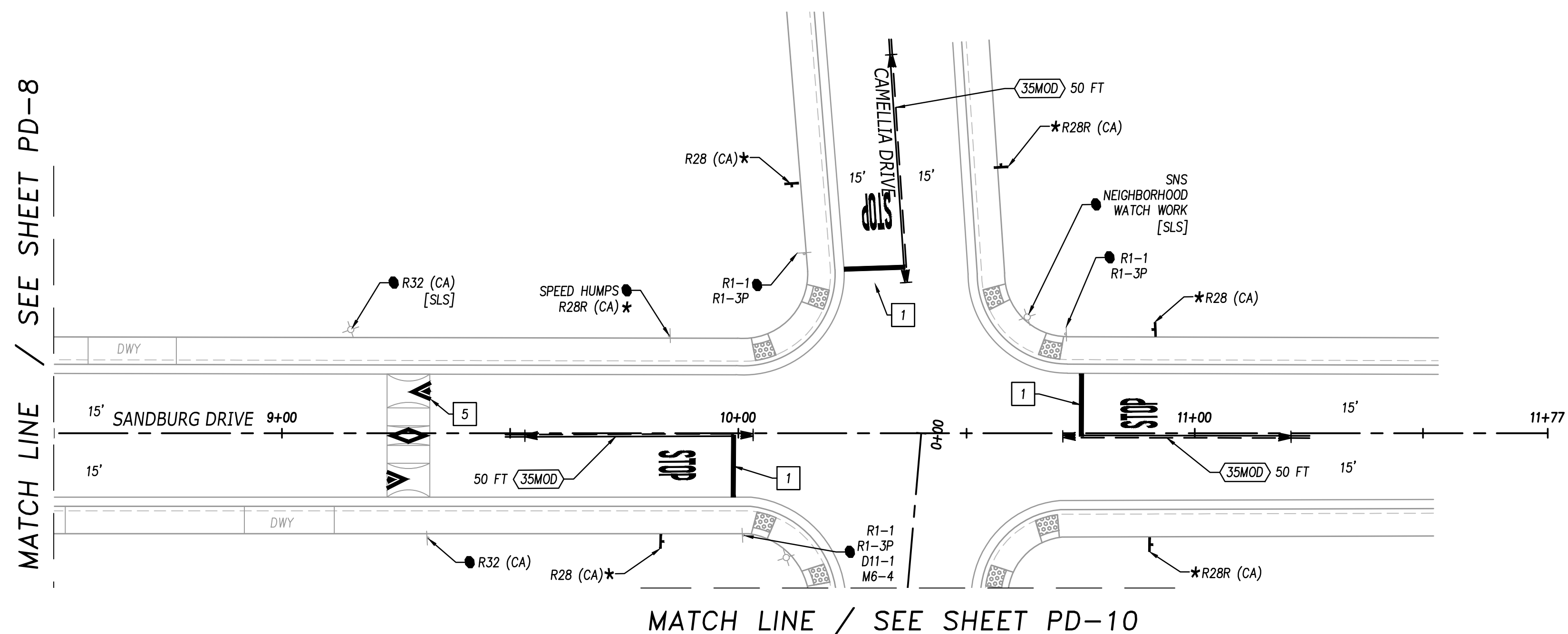
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ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK

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PLAN A24D

AHEAD AHEAD PAVEMENT MARKING PER CALTRA
STD PLAN A24D

PED PED PAVEMENT MARKING PER CALTRANS
PLAN A24D

XING PAVEMENT MARKING PER CALTRANS
PLAN A24D

SLOW SLOW PAVEMENT MARKING PER CALTRANS
PLAN A24D

SCHOOL SCHOOL PAVEMENT MARKING PER CALTRA
STD PLAN A24D

* INSTALL ROADSIDE SIGN

▲ *RELOCATE EXISTING SIGN*

- EXISTING ROADSIDE SIGN TO REMAIN

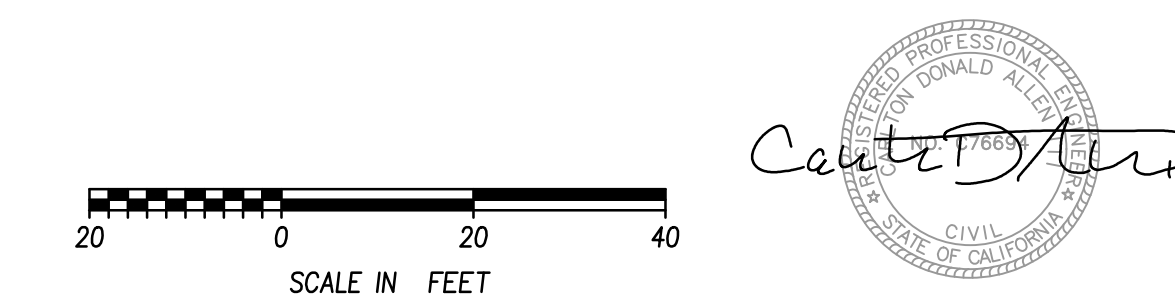
◆ REMOVE ROADSIDE SIGN

EXISTING ROADSIDE SIGN LOCATION

PROPOSED ROADSIDE SIGN LOCATION
(POST MOUNTED)

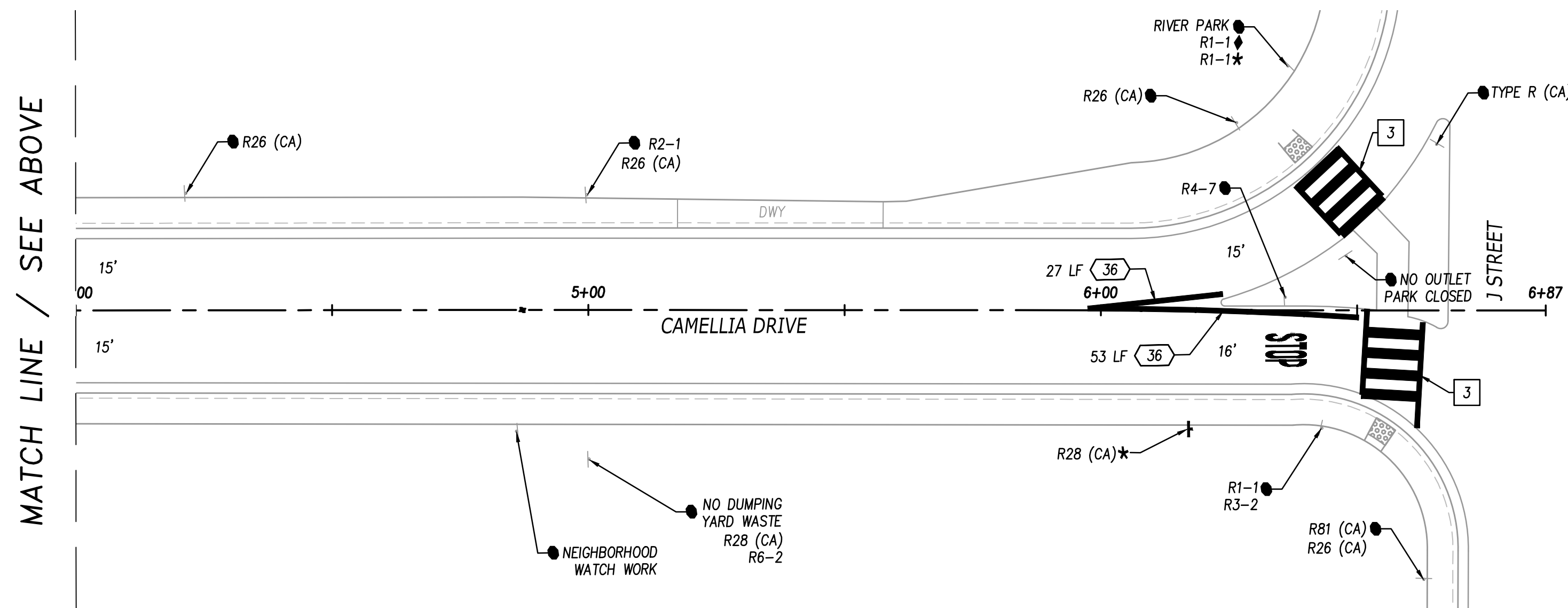
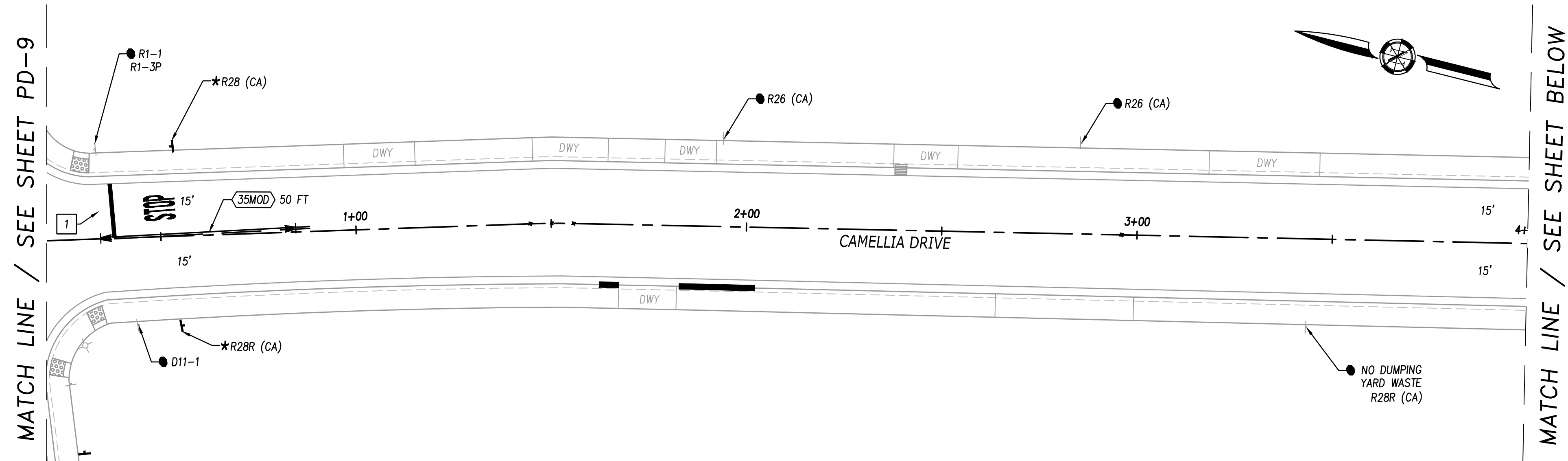
PROPOSED ROADSIDE SIGN LOCATION
(SIDE MOUNTED)

 EXISTING FIRE HYDRANT

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- # LAYOUT NOTES:
- | | |
|----|--|
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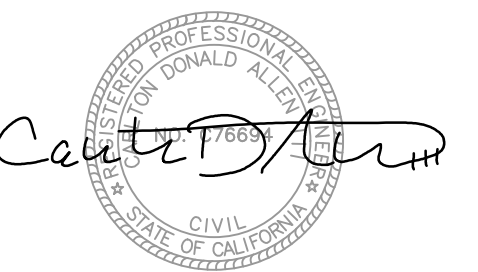
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AHEAD AHEAD PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

XING XING PAVEMENT MARKING PER CALTRANS STD
PLAN A24D

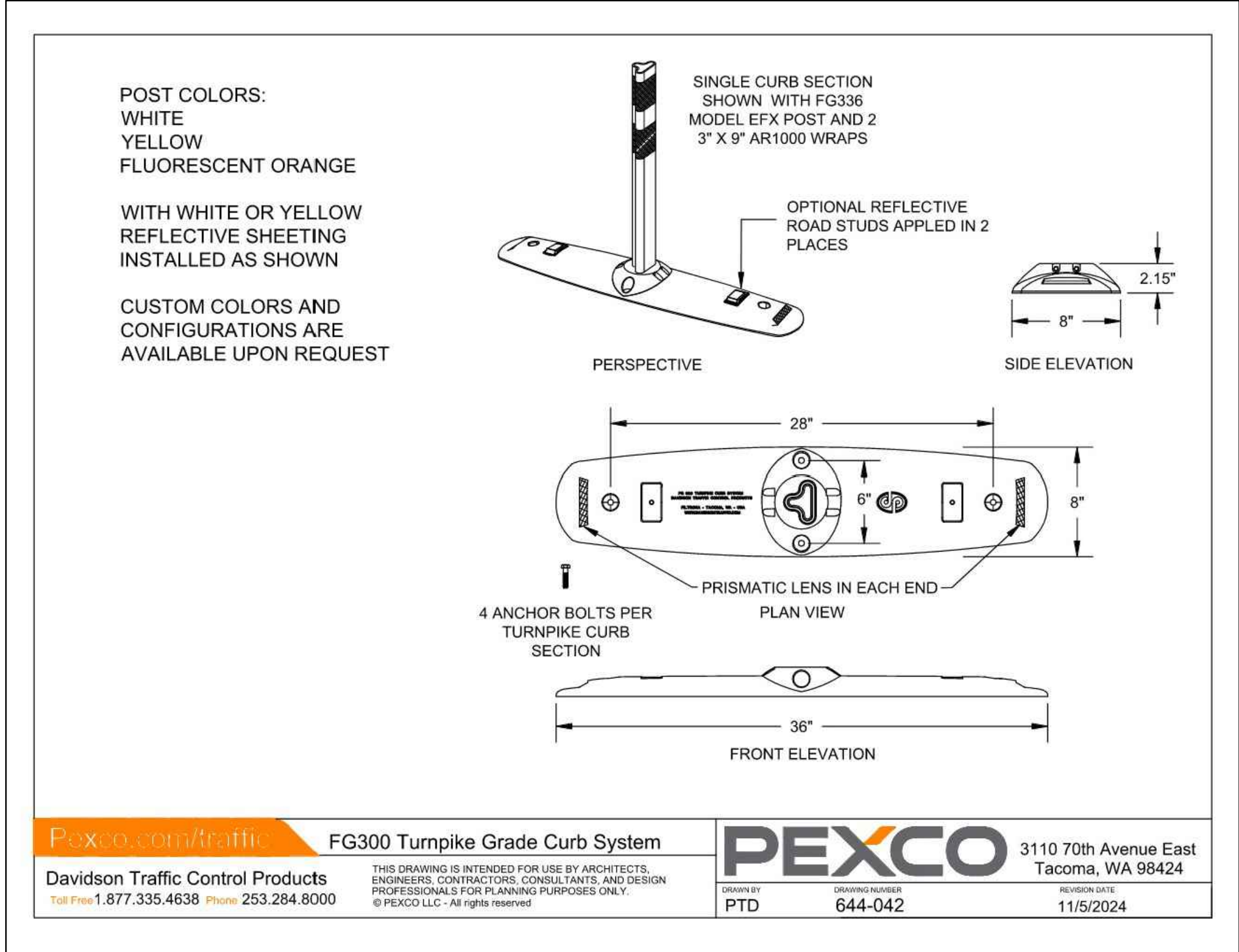
SCHOOL SCHOOL PAVEMENT MARKING PER CALTRANS
STD PLAN A24D

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|---|---|--|
| * | INSTALL ROADSIDE SIGN | |
| ▲ | RELOCATE EXISTING SIGN | |
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				--- --- --- --- ---				SCALE HORIZ: 1"=20' VERT: N/A DRAWN BY: M.VINCENT DATE: 04/14/26 DESIGN BY: J.VARNEDOE R.C.E. N/A DATE 04/14/26 CHECKED BY: C.ALLEN R.C.E. C76694 DATE 04/14/26				SHEET 23 OF 24 R15200035	

ADDENDUM 1: REMOVE CURB RAMPS FROM PROJECT WORK



1 MODULAR CURB DETAIL
SCALE: N.T.S.

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BENCH MARK	ELEV	---,--- FT
DESCRIPTION		

FIELD BOOK

SCALE
HORIZ: <u>N/A</u>
VERT: <u>N/A</u>

CITY OF SACRAMENTO
DEPARTMENT OF PUBLIC WORKS

DRAWN BY: M.VINCENT
DATE: 04/14/26

DESIGN BY: J.VARNEDOE
R.C.E. N/A DATE 04/14/26

CHECKED BY: C.ALLEN
R.C.E. C76694 DATE 04/14/26

BENEN
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Roseville, California 95661
T 916.783.4100

IMPROVEMENT PLANS FOR
CARLSON DRIVE REHABILITATION

CONSTRUCTION DETAILS

R15200035

DWG. NO.
CD-1

SHEET
24
— OF —
24

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BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)

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**SPECIAL PROVISIONS
FOR
CARLSON DRIVE REHABILITATION
BETWEEN H STREET AND SANDBURG DRIVE
(PN: R15200035)**

1. GENERAL REQUIREMENTS

1.1 SCOPE AND LOCATION OF WORK

The following items of work are to be performed in these Special Provisions:

The repaving of Carlson Drive from H St to Sandburg Drive within the City limits.

The work includes treating the pavement with an asphalt rubberized cape seal, striping removal and replacement, updating 21 curb ramps to current ADA standards.

The underground work includes adjusting maintenance holes to match new grades.

1.2 SPECIFICATIONS

The work to be performed under this contract shall be in accordance with the Special Provisions contained herein. In these Special Provisions, reference is made to the City Standard Specifications of the City of Sacramento, adopted June 2020, referred to herein as "Standard Specifications" and any amendments. Reference is also made to 2025 California Department of Transportation Standard Specifications, referred to herein as "State Standard Specifications" and any amendments. The General Requirements of this contract shall be governed by these Special Provisions first, followed by Section 1 through Section 8 of the Standard Specifications. Other standards or specifications specified in these Special Provisions govern only the applicable technical specifications unless otherwise specified in these Special Provisions.

1.3 ORDER OF WORK

~~Contractor may begin curb ramp and surface preparation work immediately after contract execution. Cape Seal (chip seal and Microsurfacing) work shall be coordinated with Glenn Hall Park restoration project being performed by others. Cape Seal may not be installed until Glenn Hall Park restoration is complete.~~ When Cape Seal work is performed, under no circumstances may both Carlson Drive and Camellia Avenue be closed at the same time. Contractor shall submit a work plan describing the order they intend to prosecute work.

1.4 COMPLETION TIME

The time limit for the completion of all items of work is ~~fifty (50)~~ **twenty-five (25)** working days, commencing on the date set forth in the written Notice to Proceed issued by the City to the Contractor. The Contractor shall pay a sum in the amount of THREE THOUSAND SIX

HUNDRED DOLLARS (\$3,600.00) as liquidated damages, and not as a penalty, for each calendar day delay after the expiration of ~~fifty (50)~~ **twenty-five (25)** working days.

The Engineer will furnish the Contractor a weekly statement showing the number of working days charged to the contract for the preceding week and the number of working days charged to date. The Contractor will be allowed fifteen (15) calendar days in which to file a written protest setting forth in what respect the Contractor disagrees with the working day statement, otherwise the working day statement of the Engineer shall be deemed to have been accepted by the Contractor as correct.

1.5 TIME OF AWARD

Section 3-2, "Time of Award," of the Standard Specifications is hereby amended for this project. Time of Award for this contract shall be made within Sixty (60) calendar days after opening of the proposals to the lowest responsible bidder.

1.6 PROVIDING BONDS AND SURETY

The Contractor shall provide signed agreement and surety bonds within ten (10) calendar days after receipt of notice to award by the City and prior to award by the City Council. The Contractor shall be reimbursed for all surety bond costs should the City Council not award a contract.

1.7 PRE-BID INTERPRETATION OF CONTRACT DOCUMENTS

No oral representations or interpretation will be made to any bidder as to the meaning of the contract documents. Requests for interpretation shall be made in writing and delivered to the City at least seven (7) calendar days before the time announced for opening the proposals. Interpretation, where necessary, will be made by the City in the form of an addendum to the contract documents and, when issued, will be sent as promptly as is practicable to all parties to whom the bid documents have been issued. All such addenda shall become part of the contract. Requests for information regarding this procedure or other similar information shall be submitted through planet bids.

It shall also be the bidder's responsibility to call to the attention of the Engineer any missing pages or drawings in the contract documents including the addenda. These items shall be brought to the attention of the Engineer immediately but at least two (2) weeks prior to the bid opening date.

1.8 NO TRUCK HAUL ROUTE ON 28TH STREET SOUTH OF E STREET

The Contractor and its subcontractors must not use 28th Street south of E Street as part of any haul route to and from the Bell Marine Co., Inc./ Harbor Sand and Gravel located at 200 28th Street. Acceptable routes to and from the facility are as follows:

To enter facility:

North on 30th Street
West on E Street
North on 28th Street

To exit facility:

South on 28th Street
East on C Street
South on 29th Street

The Contractor shall be assessed an administrative penalty of \$500 for each Contractor or subcontractor dump truck that uses 28th Street South of E Street to enter or exit the Bell Marine Co., Inc/Harbor Sand and Gravel.

1.9 CERTIFICATE OF COMPLIANCE

The Contractor shall provide the Engineer with a manufacturer's "Certificate of Compliance" at the Engineer's request within two weeks. The Certificate of Compliance shall clearly show that the material, equipment and/or work is in compliance with the tests and specifications set forth in these contract documents.

1.10 GOLD SHOVEL STANDARD PROGRAM

On July 20, 2018, the City of Sacramento became the first municipality in California to become a Gold Shovel Certified Community. As such, the City of Sacramento is highly encouraging its contractors bidding on City projects to become Gold Shovel Certified. The Gold Shovel Standard Certification was developed to ensure that hired contractors adhere to the safest excavation standards. To learn more about the Gold Shovel Standard certification process, please visit the following website: www.goldshovelstandard.org.

1.11 COMMUNITY WORKFORCE TRAINING REQUIREMENTS

This project is not subject to the requirements of the City's Local Hire and Community Workforce Training Program and the City's Community Workforce Training Agreement (CWTA).

1.12 FINAL PAY QUANTITY

Final pay quantity is designated on the sealed bid proposal sheet with a "(F)". Final pay quantity shall conform to Section 9-1.015 "Final Pay Items" of the State Standard Specifications, except that the final pay quantity designation shall be made on the sealed bid proposal rather than the Plans.

1.13 EQUIPMENT TO BE SUPPLIED

All equipment, material and supplies called for in the specifications shall be new and currently manufactured items, unless otherwise specified. All equipment shall be complete and in operation to the satisfaction of the Engineer at the time of acceptance of the work.

All incidental parts which are not shown on the Plans or specified herein and which are necessary to complete the project shall be furnished and installed as though such parts were shown on the Plans or specified herein.

All equipment, materials, or supplies to be considered as an approved equal must be submitted to the City contact listed in PREBID INTERPRETATION OF CONTRACT DOCUMENTS, for approval no less than ten (10) calendar days prior to the bid opening date. If the City finds said equipment, materials, or supplies to be acceptable, an addendum will be issued notifying all bidders by the close of business on Friday before the bid opening date. If there is no addendum accepting an approved equal, bidders shall submit bids based on the original specified equipment, materials, or supplies.

1.14 HANDLING AND REMOVAL OF HAZARDOUS OR CONTAMINATED MATERIALS

In the event hazardous or contaminated materials are encountered at the site for which separate handling or removal provisions have not been made in these Special Provisions, the Contractor shall stop work on that item, contact the Engineer and schedule his operations to work elsewhere on the site if possible. The City will be responsible for handling and removal of hazardous material or may request that the Contractor shall be available, through contract change order, to provide additional services as needed for the completion of the work. Additional services may consist of retaining a subcontractor who possesses a California license for hazardous substance removal and remedial actions.

Hazardous or contaminated materials may only be removed and disposed of from the project site in accordance with the following provisions:

1. All work is to be completed in accordance with the following regulations and requirements:
 - a. Chapter 6.5, Division 20, California Health and Safety Code.
 - b. California Administration Code, Title 22, relating to Handling, Storage, and Treatment of Hazardous Materials. 29 Code of Federal Regulation 1910.120 relating to Hazardous Waste Operation Safety Training.
 - c. City of Sacramento Building Code and the current edition of the Uniform Building Code.
2. Coordination shall be made with the County of Sacramento Environmental Management Department, Hazardous Materials Division, and the necessary applications shall be filed.
3. All hazardous materials shall be disposed of at an approved disposal site and shall only be hauled by a current California registered hazardous waste hauler using correct manifesting procedures and vehicles displaying a current Certificate of Compliance. The Contractor shall identify by name and address the site where toxic substances shall be disposed of. NO payment

for removal and disposal services shall be made without a valid certificate from the approved disposal site that the material was delivered.

None of the forementioned provisions shall be construed to relieve the Contractor from the Contractor's responsibility for the health and safety of all persons (including employees) and from the protection of property during the performance of the work. This requirement shall be applied continuously and not be limited to normal working hours.

1.15 COORDINATION

The Contractor shall coordinate his activities in a manner that will provide the least interference with the City's operations, other contractors and utility companies working in the area, and agencies exercising jurisdiction over the project area or portions thereof.

1. At a minimum the Contractor shall coordinate his operations with the following:

- Underground Service Alert
Contractor shall contact Underground Service Alert (USA) at 1-800-227-2600, a minimum of three (3) working days prior to any excavation.
- Caleb Greenwood Elementary
Contractor shall coordinate with Caleb Greenwood Elementary at (916)395-4515, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Scottish Rite Center
Contractor shall coordinate with Scottish Rite Center at (916) 452-5881, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Sacramento Central Seventh-day Adventist Church
Contractor shall coordinate with the Seventh-day Adventist Church at (916)457-6511, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Freemont Presbyterian Church
Contractor shall coordinate with the Freemont Presbyterian Church at (916)452-7132, to minimize impacts during construction. Coordination should happen minimum (2) weeks prior to any lane closures in front of their facility.
- Regional Transit
The Contractor shall contact the Regional Transit at dispatcher at (916)321-2897, and/or Rowan Brandt at rbrandt@sacrt.com, at least (3) working days prior to beginning work at each impacted location to notify RT of potential traffic restrictions.

- City of Sacramento Solid Waste

The contractor shall coordinate work to minimize impacts on trash pick-up days (Friday). The Contractor shall be responsible for any garden refuse piles, which are inadvertently placed in the street between the time of City pickup and the Contractor's work. The cost for removing garden refuse piles shall be included in the unit prices bid for the various items of the proposal.

The cost of coordination shall be included in the unit prices bid for the various items of the proposal and no additional compensation will be allowed therefor.

1.16 PROJECT SCHEDULING

The Contractor shall submit to the Engineer a practicable progress schedule and a schedule of values at the pre-construction meeting and within 5 days of the Engineer's written request at any other time. The Contractor shall furnish the schedules on the form of his choice. The progress schedule shall show the order in which the Contractor proposes to carry out the work, the dates on which he will start the features of the work and the contemplated dates for completion of the work. The schedule of values is submitted for use in determining progress payments. The progress schedules submitted shall be consistent in all respects with the time and order of work requirements of the contract.

The Contractor shall submit, review and update a project schedule in accordance with Section 7-2 of the Standard Specifications. Subsequent to the time that submittal of a progress schedule and a schedule of values is required in accordance with these specifications, no progress payments will be made prior to the submittal of an acceptable project schedule.

1.17 PROTECTION OF EXISTING IMPROVEMENTS

The location, alignment, and depth of existing underground utilities as shown on the Plans are taken from public records and no responsibility is assumed for their accuracy.

The Contractor's attention is directed to the provisions of Chapter 3.1 "PROTECTION OF PUBLIC UTILITIES IN PUBLIC CONTRACTS" of the California Government Code concerning protecting existing overhead and underground utilities. In particular, Section 4216 and Section 4217.

Existing improvements, utilities and adjacent property shall be protected from damage resulting from the Contractor's operations. All trees, shrubbery, grass, fences, mailboxes, walls and other improvements including existing pavements, sidewalks, street improvements, sprinkler systems and underground utilities and other improvements not to be removed under this contract shall be protected from damage by the Contractor throughout the construction period.

All painted or other disfiguring markings on the pavement, sidewalk or gutters shall be removed by the Contractor before acceptance of the work.

The Contractor will ensure that utility services to customers in the project are maintained.

The Contractor is responsible for the protection of and for damage to existing overhead and underground utility lines and services encountered during the course of construction. The Contractor shall notify the respective utility owner prior to any interruption of service.

The Contractor is expected to "pothole" existing underground utilities a minimum of ten (10) working days in advance at any location where an existing utility may be in conflict with the proposed work.

The cost of relocating existing overhead or underground utilities not specified on Plans to be relocated, but which the Contractor elects to relocate or cut and reconnect for his/her own convenience, shall be borne by the Contractor.

No compensation will be paid to the Contractor for the maintenance and protection of existing utilities and facilities. The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.18 TRAFFIC HANDLING, PUBLIC SAFETY AND CONVENIENCE

The contractor's attention is directed to Sections 6 and 7 of the Standard Specifications.

The contractor shall submit to the Engineer for review and approval a plan showing traffic control measures for vehicles, pedestrians and bicycles affected by the construction work. For emergency purposes, the person responsible in charge of the work must be reachable by phone 24 hours a day during the progress of the work. A 24-hour phone number shall be indicated on the permit application.

The contractor shall adhere to guidelines as stated in Section 12.20.030 of Title 12 of the Sacramento City Code pertaining to Traffic Control Plan – Requirements and shall conform to the current edition of the California MUTCD. Particular attention is directed to Chapter 6D – Pedestrian and Worker Safety and Chapter 6F – Temporary Traffic Control Zone Devices, Section 6F.68 – Detectable Edging for Pedestrians.

At the end of each working day if a difference in excess of 0.2 foot exists between the elevation of the existing pavement and the elevation of any excavation within 8 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way. During excavation operations, native material may be used for this purpose, however, once the placing of the structural section commences, structural material shall be used. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at a slope of 4:1 or flatter to the bottom of the excavation. Full compensation for placing the material on a 4:1 slope, regardless of the number of times it is required, and subsequent removing or reshaping of the material to the lines and grades shown on the plans shall be considered as included in the contract price paid for the material involved and no additional compensation will be allowed therefor. No payment will be made for material placed in excess of that required for the structural section.

Spillage resulting from hauling operations along or across any public traveled way shall be removed immediately by the Contractor at his expense.

Construction operations shall be conducted in such a manner as to cause as little inconvenience as possible to abutting property owners.

Roadway excavation and the construction of embankments shall be conducted in such a manner as to always provide a relatively smooth and even surface satisfactory for use by public traffic. Skid resistance steel plates or other approved methods shall be used to cover all open excavations in the roadways and sidewalks at all times during construction

The plans shall be developed with the following requirements:

1. Working hours shall be between 8:00 AM and 5:00 PM Monday through Friday, unless otherwise approved by the Engineer.
2. Lane closures may not be performed until after 9:00 AM.
3. Any lane closures that occur after August 10, 2026 within three blocks north or south of Caleb Greenwood Elementary must be removed prior to 1:30 pm (M,T,W, F) or 12:30 pm (Th) to allow for school pickup.
4. Weekend work from 8:30 am to 5:30 pm may be approved by the Engineer.
5. The Contractor shall submit for approval, a written request to perform weekend work a minimum of two (2) weeks prior to the weekend dates. If weekend work is approved, the cost of inspection shall be borne by the City.
6. Contractor must maintain both directions of travel on Carlson Drive throughout construction of the project. If necessary, flaggers may be used at intersections to allow for closures in that immediate location.
7. If any road closures are planned, a detour plan must be submitted and approved before closing the road.
8. The Contractor shall furnish, install temporary stripes and maintain temporary construction warning signs, lighting, flaggers, barricades, striping and other devices necessary to safeguard the general public and the work, and to provide for the safe and proper routing of all vehicular and of pedestrian traffic within and through the limits of the projects during the construction. The requirement shall apply continuously and shall not be limited to normal working hours.
9. The Contractor shall maintain existing electrical facilities and traffic and public safety in accordance with Section 34 of the Standard Specifications and these Special Provisions.

10. Residential driveways may only be closed after giving property owners 24-hour notice in advance of the closure. Driveways may only be closed during normal work periods while the contractor is actively pursuing work which requires the driveway to be closed, except when forms are in place, or while concrete is being cured.
11. Driveway access to commercial properties shall remain open at all times. The Contractor must leave access to at least one driveway to schedule the commercial driveways to be poured in two phases unless more than one driveway is available to the property. The Contractor shall coordinate the driveway closure with property owners' 5 calendar days in advance.
12. All work within public streets and/or roadway right-of-way shall be done in an expeditious manner so as to cause as little inconvenience to the traveling public as possible. Skid-resistant steel plates or other approved methods shall be used to cover all open excavations in the roadway during non-working hours.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in traffic handling, public safety and convenience shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.19 USE OF SLIP-FORM MACHINES FOR CONCRETE CONSTRUCTION

The Contractor may use concrete slip form machines to construct concrete curbs, gutters and sidewalks. The Contractor must maintain proposed lines and grades as shown on the plans. For curbs constructed on existing pavements, the contractor must construct the curb to eliminate any uneven lines and top of curb grade elevations. If in the sole discretion of the Engineer, these lines and grades are not maintained, the Contractor shall remove and replace the concrete at his/her costs.

If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.

1.20 PUBLIC NOTIFICATION

Seven calendar days (7) prior to roadway or lane closures, Contractor shall place changeable message signs where designated by the Engineer. Changeable message signs shall be considered part of this item and no additional compensation will be allowed therefore. The message on the changeable message sign shall be approved in writing by the Engineer two days prior to installment on the roadway.

The Contractor shall notify residents and businesses within the project limits in writing five (5) working days in advance of beginning work. The notice shall be approved by the Engineer and shall describe the work to be performed, the anticipated duration of construction and the name and

telephone number of the Contractor's representative that can be reached 24 hours a day, 7 days a week.

The Contractor shall be responsible for issuing a second notice to property owners five (5) working days in advance of commencing any work on private property. The Contractor shall include in the public notification flyers/postcards detailed procedures explaining precautions the homeowner can take to help prevent plugged utility service fixture problems. The Contractor shall submit to the Engineer for review and approval public notification flyers/postcards before they are issued to the public.

Full compensation for this item shall be included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.21 REMOVAL OF ON-STREET PARKING

In Metered Parking Areas:

Seventy-two (72) hours prior to construction, the Contractor shall place signs adjacent to every third parking stall stating, "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block". Contractor shall also contact the City Parking Division prior to placing barricades.

Signs shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

The Contractor shall request the City Parking Division to cover each parking meter, prior to construction, with a "NO PARKING" sign and the signs previously placed adjacent to every third stall shall be mounted on a barricade and moved into the parking stall at the Contractors expense.

If the Contractor needs less than the entire block, every stall removed shall be barricaded in conjunction with the covering of parking meters.

Where parking removal is necessary, at metered parking stalls, the Contractor shall coordinate with the City Parking Division three (3) days in advance and shall be responsible for the payment of parking removal fees (City Code Section 25.122-1). It is recommended that the Contractor consult with the City Parking Division (phone 916-808-5874) prior to submission of his bid to obtain an estimate of the fees for this project. Note: Typical fees are \$29 to bag the first meter and \$5 each additional meter. Daily meter fees are typically \$2.25 each day Monday through Saturday.

In Non-Metered Parking Areas:

Seventy-two (72) hours prior to construction (except Monday work, barricades shall be placed on the prior Thursday), the Contractor shall place signed Type II barricades stating "NO PARKING - (specific times and dates) - Tow Away" or "NO PARKING - (specific times and dates) - This Block", at 50 to 60 foot intervals in the work area. The Contractor shall notify the City Parking Division (916-808-5874) prior to placing barricades. No fee is required in Non-metered zones.

"NO PARKING" signs shall be approved by the Engineer prior to their use. "NO PARKING" signs and barricades shall be supplied by the Contractor. The Contractor shall notify the Engineer immediately after the "NO PARKING" signs are in place.

Barricades shall be placed before 1:00 PM on the day selected to allow sufficient time for City inspection.

Failure to comply with this section will prevent the City from towing vehicles parked within the proposed work area until the provisions of this section have been met and will require rescheduling of planned work. Additionally, "NO PARKING" signs and barricades shall not be removed prior to removal/towing of vehicles in violation of posted "NO PARKING" signs.

Payment shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and payment of all fees required to perform all work, as specified in these Special Provisions and as directed by the Engineer and shall be considered as included in the prices paid for the various contract items of work. No additional compensation will be allowed, therefore.

1.22 EQUIPMENT LIST AND DRAWINGS SUBMITTALS

Equipment list and drawings shall be in accordance with Section 34-3 of the Standard Specifications and these Special Provisions.

Unless otherwise permitted in writing by the Engineer, the Contractor shall, within twenty (20) days following notification of award of the contract submit to the Engineer for approval a listing of equipment and material which he/she proposes to furnish and install. The list shall be complete as to name of manufacturer, size and catalog number of unit, and shall be supplemented by other data, including detailed scale drawings and wiring drawings. A minimum of five (5) copies of the above data shall be submitted to the Engineer for review and approval.

The Contractor shall submit to the Engineer a statement from each vendor supplying electrical equipment, including but not limited to, signal heads, standards, electroliers, luminaries, service pedestal and all other electrical equipment indicating that the orders for the materials required for this contract have been received and accepted by said vendor. The confirmed date of delivery to the contractor shall be indicated on the statement.

All substitutions are subject to the approval of the Engineer.

1.23 PROOF OF COMPLIANCE WITH CONTRACT

In order that the Engineer may determine whether the Contractor has complied with the requirements of the contract documents not readily determinable through inspection and tests of plant, equipment, work, or materials, the Contractor shall at any time when requested, at the Contractor's expense, submit to the Engineer properly authenticated documents or other satisfactory proofs as to his compliance with such requirements.

1.24 RECORD DRAWINGS

Contractor shall maintain a neatly and accurately marked set of record drawings showing the final locations and layout of all facilities as-built. Drawings shall be kept current weekly, with all work instructions and Change Orders, accommodations, and construction adjustments. Drawings shall be subject to the inspection by the Engineer at all times, and progress payments, or portions thereof, may be withheld if drawings are not accurate and current. Prior to City's acceptance of the Work, Contractor shall deliver to the Engineer one (1) set of neatly marked record drawings, accurately showing all the information required above. If the Engineer does not approve the record drawings, Contractor shall revise and resubmit the record drawings as necessary to obtain the Engineer's approval. If Contractor fails to comply with the requirements of this section, the City may deduct and retain the cost of preparing the record drawings from the Contract.

1.25 BACKFILLING OF VOIDS

All voids resulting from the removal of trees, pipes, maintenance holes, ditch boxes, or other buried structures or objects shown on the Plans or called in these Special Provisions to be removed, shall be backfilled per the provisions of Section 26 (Trench Backfill) of the Standard Specifications. In the event job excavated native material is unsuitable for backfill as determined by the Engineer, the Contractor shall furnish the required suitable backfill material.

The cost to backfill voids as specified in the Special Provisions shall be included in the price bid for the respective items to remove trees, pipe, maintenance holes, ditch boxes, or other buried structures or objects, and no additional compensation shall be allowed.

1.26 PAVEMENT CUTTING AND RESTORATION

Pavement cutting and restoration shall conform to the provisions of Section 13-4 of the Standard Specifications and these Special Provisions.

No pavement cutting shall precede pavement excavation by more than seven (7) calendar days unless approved by the Engineer. Prior to excavation in paved areas, pavement will be broken within the limits of expected excavation so as to prevent lifting of the pavement during excavation. Prior to restoration, the pavement shall be sawed or scored with an abrasive type pavement cutter (maximum blade width 1/4"). The proper tools and equipment shall be used so that the pavement will be cut to a neat and straight line six inches (6") beyond the limits of actual excavation.

Where pavement cutting takes place more than five (5) calendar days before trench excavation, the Contractor shall fill the pavement cuts with asphaltic patching mix and maintain a smooth riding surface until trenching begins.

Where the limits of excavation are located within twelve (12") of the edge of existing pavement or lip of the curb and/or gutter, the existing pavement within these twelve inches (12") shall also be removed.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for all work involved in this item shall be considered as included in the unit price bid for roadway excavation and removing and replacing asphaltic concrete pavement.

1.27 PROTECTION OF TREES

During construction the Contractor shall protect existing trees. All work near the trees shall be coordinated by the Contractor with the City Arborist, at urbanforestry@cityofsacramento.org. The Contractor shall comply with direction as given by the City Arborist and the following City requirements regarding tree protection:

No storage of materials or parking of vehicles may occur within the drip lines of the trees, except on paved streets.

If, during construction, tree roots two inches (2") in diameter or greater are encountered, work shall stop immediately and the City Arborist shall be contacted for a root inspection, and roots shall not be cut without arborist approval. Roots approved by the arborist to be pruned during the course of project construction shall be cleanly cut. If extensive root pruning is proposed an arborist inspection will determine if tree removal is necessary.

If construction activities will affect any of the limbs of the trees, a certified arborist (certified by International Society of Arboriculture, Western Chapter) shall be consulted prior to the cutting or removal of any limb. Limbs approved by the arborist to be pruned during the course of project construction shall be cleanly cut.

The Contractor shall be responsible for damages to trees. Trees damaged by the Contractor during construction activities shall be assessed by the City Arborist using the International Society of Arborists (ISA) appraisal guide or UFS standard diameter and area indexing. The Contractor's responsibility for damaged trees will be determined by the Arborist.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all work involved in this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed.

1.28 TREE TRIMMING

Contractor shall identify all tree trimming needed to provide clearance for construction vehicles. These trees shall be trimmed in accordance with the following specifications and as directed by the Engineer or project Arborist in conjunction with the City Arborist:

General Conditions - This work is to be performed by a Tree Service Contractor, licensed and bonded to do business in the City of Sacramento. The work to be done will consist not only of this trimming and removal of branches and limbs but also disposal of material trimmed from these trees. Disposal of material will not be allowed at the City Dump.

Contractor shall be aware of and shall comply with all ordinances governing and related to tree trimming work. Contractor shall furnish all labor, materials and equipment as required in

performing the work described herein in strict accordance with these specifications and subject to the terms and conditions of this contract.

Description of Work - The work shall be done primarily from truck mounted aerial platforms except where trees are inaccessible to trucks. All hand and power tools in the performance of this work shall be subject to inspection and approval of the Manager of the Urban Forest Services division or his designated representative who shall serve as the inspector for the City.

In general, the standard tree trimming equipment shall be used and shall be always maintained in a satisfactory condition. All tools shall be clean, sharp, in proper working order and shall be checked for safety before each job.

Inspection/Permit - The Contractor shall notify the Engineer prior to 8:00 a.m. on each day Contractor will be trimming trees.

The Contractor shall notify, 3 working days prior to tree trimming, the City Arborist, at urbanforestry@cityofsacramento.org and obtain, for this project, a permit for tree trimming within the City.

Special Conditions - All licenses, insurance, etc., necessary to assume the legal responsibility for said work shall be acquired by the Contractor to cover the liabilities which might be caused by said work.

All workmen shall comply with State Compensation Safety Rules and must wear safety equipment at all times while on the job. Adequate warning devices, barricades, guards, cones, etc., shall be placed and necessary precautions shall be taken by the Contractor to provide protection for the workers, pedestrians and vehicular traffic in the area. Work shall be scheduled and conducted in a cooperative manner in order to give the least possible interference with or annoyance to others. It shall be the responsibility of the Contractor to work out any cooperative work schedules as necessary.

All tree work requiring climbing of trees shall be suspended during inclement weather. No trimmings or debris shall be left overnight on any of the work sites. Upon completion of a specific area, the site shall be left in a clean and orderly condition. It shall be the responsibility of the Contractor to repair any damages to adjacent property including shrubs, trees or other growth as well as structures along the route.

To prevent the spread of Dutch elm disease, tree trimming tools shall be sprayed with Lysol before any tree trimming and after each tree has been trimmed.

Personnel - All work shall be done by qualified and trained persons. They shall be familiar with tree climbing and trimming work in general and trained to work in trees of any size. A qualified foreman shall be provided to oversee and direct the work of each crew.

Correct Cuts - All work shall be done in a professional and workmanlike manner. All cuts shall be made in accordance with the following sections in these Special Provisions, and as directed by

the Engineer. Trees shall be trimmed at locations where there are tree conflicts and as directed by the Engineer or project Arborist in conjunction with the City Arborist.

Tree trimming shall include the removal of any limbs or brush from limbs to achieve a clear space of at least six foot (6') radial distance from each luminaire. The results of the tree trimming shall produce an unobstructed cone of light that will illuminate a semicircle on the street at street level. The semicircle shall have a radius of forty feet (40') minimum on the street from the electrolier base. The unobstructed cone of light shall also illuminate an area at sidewalk level on the house side of the electrolier. This illuminated area shall extend fifteen feet (15') minimum from the base of the electrolier.

Twigs, small limbs and sucker growth shall be removed with hand pruners, pole pruners or a fine-toothed saw. All portions of a tree removed in the pruning operations, whether small or large in diameter, shall be made just outside the branch bark ridge, parallel to and immediately adjacent to the tree limb from which the part is removed.

Any dead wood and broken limbs encountered in the pruning operations shall be removed. Dead wood shall be defined as any portion of the tree having no living foliage, no live buds or no apparent life in the cambium layer. Final cuts on dead limbs shall not cut into the branch bark ridge or branch collar of the parent limb. Dead limbs larger than three-fourths of one inch (3/4") in diameter shall be removed by sawing. Broken limbs shall be removed except where branches have split, and one portion of the branch can be saved by pruning to reduce lateral end weight.

Shrubs shall be pruned as directed by the Engineer and shall conform to current ISA specifications.

The cost of such work shall be included in whatever bid item the Contractor deems appropriate.

1.29 STOP WORK IF CULTURAL RESOURCES ARE DISCOVERED

If artifacts or stone, bone, or shell are uncovered during construction activities, the Contractor shall stop work within 100 feet of the find and notify the City, who will consult with a qualified archaeologist for an on-the-spot evaluation. Additional mitigation of the archaeological site will be the responsibility of the City. If bone is found and it appears to be human, the City will notify the Sacramento County coroner and the Native American Heritage Commission (916-322-7791).

1.30 HEALTH AND SAFETY

The Contractor is warned that existing sewers and appurtenances have been exposed to sewage and industrial wastes. These facilities shall therefore be considered contaminated with disease-causing organisms. Personnel in contact with contaminated facilities, debris, wastewater, or similar items shall be advised by the Contractor of the necessary precautions that must be taken to avoid becoming diseased. It is the Contractor's responsibility to urge his personnel to observe a strict regime of proper hygienic precautions, including any inoculations recommended by the local public health officer.

Because of the danger of solvents, gasoline, and other hazardous material in the existing sewers, these areas shall be considered hazardous to open flame, sparks, or unventilated occupancy. The

Contractor shall be aware of these dangers and shall take the necessary measures to assure his personnel observe proper safety precautions when working in these areas.

The Contractor shall not allow any wastewater to discharge from sewage collection systems onto adjacent lands or waters. In case of accidental discharge, the Contractor shall be responsible for containment, immediate cleanup and disposal at his own expense to the full satisfaction of the Engineer. Where containment is not possible, adequate disinfection shall be provided by the Contractor at his expense as directed by the Engineer or agency with jurisdiction. If, in the opinion of the Engineer, the Contractor fails to adequately follow the above guidelines, he will make arrangements to have the work done by others, and have the cost charged to the Contractor.

1.31 PERMITS AND STAGING AREA

If the Contractor decides he/she needs additional working easement areas, work sites or material sites to facilitate his operation, it shall be his sole responsibility to locate, negotiate, obtain and pay for such additional working easements, work sites and material sites.

The Contractor shall submit to the Engineer written authorization from the property owner of private property being used for the storage of equipment or materials. A copy of any written agreements entered between the Contractor and the property owner concerning encroachment onto private property shall be provided to the Engineer prior to beginning any work on the property.

Prior to working within the City-owned property, a right of entry must be obtained through the City of Sacramento Real Estate division. Submit a written application for right of entry a minimum of 2 weeks prior to required entry. If right of entry is granted, contractor must pay any required fees imposed by City of Sacramento Real Estate division.

An application for the right of entry must detail the full legal name of the company, the company's main point-of-contact, the name of the person(s) responsible for signing the right of entry including his or her title, dates and durations of requested entry, activities requiring entry, proposed work hours, a description of any materials and equipment to be stockpiled and areas where stockpiles will be kept depicted on a detailed aerial exhibit, fueling or maintenance operations planned, and any other potentially hazardous materials that may be located on site, as well as any other pertinent information related to the project that should be disclosed.

All areas lying outside of the street right-of-way which are affected by the work shall be restored to the same, or better condition existing prior to the commencement of the work, to the satisfaction of the Engineer.

The cost of necessary permits, all restoration, including but not limited to landscaping improvements, shall be included in the various items of work the Contractor deems appropriate, and no separate or additional compensation shall be made.

1.32 EROSION AND SEDIMENT CONTROL

Erosion and Sediment Control shall be in accordance with Section 16 of the City Standard Specifications.

2. ITEMS OF THE PROPOSAL

ITEM NO. 1 - PRECONSTRUCTION PHOTOGRAPHS

Preconstruction photographs shall conform to Section 11 of the Standard Specifications.

Payment shall be at the lump sum bid and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in taking preconstruction photographs as specified in these Special Provisions and as directed by the Engineer.

~~ITEM NO. 2 - ASPHALT CONCRETE~~

~~Asphalt concrete shall be Type A, 1/2" maximum aggregate and shall be placed as shown on the Plans, as specified in these Special Provisions and in conformance with the requirements of Sections 10 and 22 of the Standard Specifications.~~

~~Payment shall be at the unit price bid per ton based on the weight tickets and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing asphalt concrete pavement as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 3 - RUBBERIZED CHIP SEAL

Asphalt Rubber Chip Seal shall conform to the requirements of Section 37, "Seals Coats" of the State Standard Specifications, except where specified otherwise in these specifications.

Rubberized chip seal shall consist of an application of rubberized asphalt binder and hot screenings pre-coated with paving asphalt. Rubberized chip seal shall conform to the provisions specified for seal coat in Section 37-2, "Chip Seals," of the State Standard Specifications and these Special Provisions.

Prior to issuance of contract, Contractor must sign and submit to the City of Sacramento the Reliable Contractor Declaration form. See appendix B for declaration form.

Order of Work

The work shall be done in the following order:

1. Prepare the pavement surface as specified below.
2. Apply the Modified Binder as specified below.
3. Spread aggregate using mechanical spreader as specified below.
4. Initially and final roll per these specifications.
5. Sweep all excess aggregate immediately after rolling.
6. Install temporary pavement markings.
7. Maintain chip seal and provide additional sweeping to clean all loose aggregate.

8. Apply microsurfacing (type II) no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied. **Microsurfacing shall be paid by a separate item.**
9. Install temporary pavement markings.
10. All other such items and specified details shall be furnished, installed, and/or constructed.

Special Construction Requirements:

Only California-generated waste tires, processed in California, shall be used in the crumb rubber portion of the project.

1. Placement of chip seal at curb ramps. Cape Seal shall be placed with no vertical edges over ¼" in height in front of curb ramps. Chip seal shall be held back 2 feet from lip of gutter in front of ramps, with the slurry coverage to taper to lip of gutter.
2. Placement of chip seal at speed humps. Chip seal shall be held back 10 feet from speed hump, with the slurry coverage to taper to speed hump and coverage of speed hump.

Existing blue fire hydrant locators shall be removed prior to placing the cape seal. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the seal. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots will be paid for by a separate item.

Definitions

Crumb rubber modifier: Ground or granulated high natural crumb rubber or scrap tire crumb rubber.

Descending viscosity reading: Subsequent viscosity reading at least five (5) percent lower than the previous viscosity reading.

High natural crumb rubber: Material containing 40 to 48 percent natural rubber.

Scrap tire crumb rubber: Any combination of:

1. Automobile tires
2. Truck tires

Submittals

Prior to starting Work Contractor shall submit the name of its laboratory for quality control testing. The laboratory must be AMRL accredited.

For each delivery of asphalt rubber binder ingredients and asphalt rubber binder to the job site, submit a certificate of compliance and a copy of the specified test results.

Submit MSDS for each asphalt rubber binder ingredient and the asphalt rubber binder.

At least fourteen (14) calendar days before use, submit:

1. Four 1-quart cans of mixed asphalt rubber binder
2. Samples of each asphalt rubber binder ingredient
3. Asphalt rubber binder formulation and data as follows:
 - b) For asphalt binder and asphalt modifier submit:
 - i) Source and grade of asphalt binder
 - ii) Source and type of asphalt modifier
 - iii) Percentage of asphalt modifier by weight of asphalt binder
 - iv) Percentage of combined asphalt binder and asphalt modifier by weight of asphalt rubber binder
 - v) Test results for the specified quality characteristics
 - c) For crumb rubber modifier submit:
 - i) Each source and type of scrap tire crumb rubber and high natural rubber
 - ii) Percentage of scrap tire crumb rubber and high natural rubber by total weight of asphalt rubber binder
 - iii) Test results for the specified quality characteristics
 - d) For asphalt rubber binder submit:
 - i) Test results for the specified quality characteristics
 - ii) Minimum reaction time and temperature

At least fourteen (14) calendar days before use, submit the permit issued by the local air quality agency for asphalt rubber binder:

1. Field blending equipment
2. Application equipment

If an air quality permit is not required by the local air quality agency for producing asphalt rubber binder or spreading asphalt rubber binder, submit verification from the local air quality agency to the Engineer that an air quality permit is not required for this Contract.

Submit a certified volume or weight slip for each delivery of asphalt rubber binder ingredients and asphalt rubber binder.

Submit a certificate of compliance and accuracy verification of test results for viscometers.

When determined by the Engineer, submit notification fifteen (15) minutes before each viscosity test or submit a schedule of testing times.

Submit the log of asphalt rubber binder viscosity test results each day of asphalt rubber binder application.

Quality Control And Assurance

Test and submit results at least once per project:

1. For crumb rubber modifier except for grading, at least once per 250 tons. Samples of scrap tire crumb rubber and high natural crumb rubber must be sampled and tested separately. Test each delivery of crumb rubber modifier for grading.
2. For asphalt binder, test and submit at least once per 200 tons of asphalt binder production.
3. For asphalt modifier, test and submit at least once per 25 tons of asphalt modifier production.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber production site in separate bags.

Take viscosity readings of asphalt rubber binder under ASTM D7741 during asphalt rubber binder production. Start taking viscosity readings of samples taken from the reaction vessel at least forty-five (45) minutes after adding crumb rubber modifier and continue taking viscosity readings every thirty (30) minutes until two (2) consecutive descending viscosity readings have been obtained and the final viscosity meets the specification requirement. After meeting the two (2) descending viscosity readings requirement, continue to take viscosity readings hourly and within fifteen (15) minutes before use. Log the test results, including time of testing and temperature of the asphalt rubber binder.

Materials

Asphalt Rubber Binder

Asphalt rubber binder must be a combination of:

1. Asphalt binder
2. Asphalt modifier
3. Crumb rubber modifier

The blending equipment must allow the determination of weight percentages of each asphalt rubber binder ingredient.

Asphalt rubber binder must be 79 ± 1 percent by weight asphalt binder and 21 ± 1 percent by weight of crumb rubber modifier. The minimum percentage of crumb rubber modifier must be 20.0 percent, and lower values may not be rounded up.

Crumb rubber modifier must be 76 ± 2 percent by weight scrap tire crumb rubber and 24 ± 2 percent by weight high natural rubber.

The blend of asphalt binder and asphalt modifier must be combined with crumb rubber modifier at the asphalt rubber binder production site. The asphalt binder and asphalt modifier blend must be from 375 to 440°F when crumb rubber modifier is added. Combined ingredients must be

allowed to react at least forty-five (45) minutes at temperatures from 375 to 425°F except the temperature must be at least 10°F below the flash point of the asphalt rubber binder.

After reacting, the asphalt rubber binder must have the values for the quality characteristics shown in the following table:

Blended Asphalt Rubber Binder			
Quality characteristic	Test method	Value	
		Min	Max
Cone penetration @ 77 °F, 1/10 mm	ASTM D 217	25	70
Resilience @ 77 °F, percent rebound	ASTM D 5329	18	40
Field softening point, °F	ASTM D 36	125	165
Viscosity @375 °F, Pa • s (x10 ⁻³)	See section 37- 2.01D(3)	1500	2500

Maintain asphalt rubber binder at a temperature from 375 to 415°F.

Stop heating unused asphalt rubber binder four (4) hours after the 45-minute reaction period. Reheating asphalt rubber binder that cools below 375°F is a reheat cycle. Do not exceed two (2) reheat cycles. If reheating, asphalt rubber binder must be from 375 to 415°F before use.

During reheating, you may add scrap tire crumb rubber. Scrap tire crumb rubber must not exceed ten percent (10%) by weight of the asphalt rubber binder. Allow added scrap tire crumb rubber to react for at least forty-five (45) minutes. Reheated asphalt rubber binder must comply with the specifications for asphalt rubber binder.

Asphalt Binder

Asphalt binder for asphalt rubber binder seal coat must be **PG 64-16** and conform to Section 92 of the State Standard Specifications.

Asphalt Modifier

Asphalt modifier must be a resinous, high flash point, and aromatic hydrocarbon. Asphalt modifier must have the values for the quality characteristics shown in the following table:

Asphalt Modifier for Asphalt Rubber Binder		
Quality characteristic	Test method	Value
Viscosity, m ² /s (x 10 ⁻⁶) at 100 °C	ASTM D 445	X ± 3 ^a
Flash point, CL.O.C., °C	ASTM D 92	230 min
Molecular analysis		

Asphaltenes, percent by mass	ASTM D 2007	0.1 max
Aromatics, percent by mass	ASTM D 2007	55 min

^a "X" denotes the proposed asphalt modifier viscosity from 19 to 36. A change in "X" requires a new asphalt rubber binder submittal.

Asphalt modifier and asphalt binder must be blended at the production site. Asphalt modifier must be from 2.5 to 6.0 percent by weight of the asphalt binder in the asphalt rubber binder. The asphalt rubber binder supplier determines the exact percentage.

If blended, the asphalt binder must be from 375 to 440°F when asphalt modifier is added and the mixture must circulate for at least twenty (20) minutes. Asphalt binder, asphalt modifier, and crumb rubber modifier may be proportioned and combined simultaneously.

Crumb Rubber Modifier

Crumb rubber modifier must be ground or granulated at ambient temperature.

Scrap tire crumb rubber and high natural crumb rubber must be delivered to the asphalt rubber binder production site in separate bags.

Steel and fiber must be separated. If steel and fiber are cryogenically separated, it must occur before grinding and granulating. Cryogenically-produced crumb rubber modifier particles must be large enough to be ground or granulated.

Wire must not be more than 0.01 percent by weight of crumb rubber modifier. Crumb rubber modifier must be free of contaminants except fabric, which must not exceed 0.05 percent by weight of crumb rubber modifier. Method for determining the percent weight of wire and fabric is available under California Test 385 at the following METS Web site:

<https://dot.ca.gov/programs/engineering-services/california-test-methods-version-selection#385>

The length of an individual crumb rubber modifier particle must not exceed 3/16 inch.

Crumb rubber modifier must be dry, free-flowing particles that do not stick together. A maximum of three percent (3%) calcium carbonate or talc by weight of crumb rubber modifier may be added. Crumb rubber modifiers must not cause foaming when combined with the asphalt binder and asphalt modifier.

Specific gravity of crumb rubber modifier must be from 1.1 to 1.2 determined under California Test 208.

When tested under ASTM D 297, crumb rubber modifier must comply with the requirements shown in the following table:

Crumb Rubber Modifier

Quality characteristic	Scrap tire crumb rubber (percent)		High natural rubber (percent)	
	Min	Max	Min	Max
Acetone extract	6.0	16.0	4.0	16.0
Rubber hydrocarbon	42.0	65.0	50.0	--
Natural rubber content	22.0	39.0	40.0	48.0
Carbon black content	28.0	38.0	--	--
Ash content	--	8.0	--	--

Scrap tire crumb rubber must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 8	100
No. 10	98–100
No. 16	45–75
No. 30	2–20
No. 50	0–6
No. 100	0–2
No. 200	0

High natural rubber gradation must have the gradation shown in the following table:

Sieve size	Gradation limit (%)
No. 10	100
No. 16	95–100
No. 30	35–85
No. 50	10–30
No. 100	0–4
No. 200	0–1

Test the crumb rubber modifier gradation under ASTM C 136 except:

1. Split or quarter 100 ± 5 g from the crumb rubber modifier sample and dry to a constant mass at a temperature from 57 to 63 degrees C and record the dry sample mass. Place the crumb rubber modifier sample and 5 grams (g) of talc in a 1/2-liter jar. Seal the jar, then shake the jar by hand for at least one (1) minute to mix the crumb rubber modifier and the talc. Continue shaking or opening the jar and stir until the particle agglomerates and clumps are broken and the talc is uniformly mixed.

2. Place one (1) rubber ball on each sieve. Each ball must weigh 8.5 ± 0.5 g, measure 24.5 ± 0.5 mm in diameter, and have a Shore Durometer "A" hardness of 50 ± 5 determined under ASTM D 2240. After sieving the combined material for 10 ± 1 minutes, disassemble the sieves. Brush material adhering to the bottom of a sieve into the next finer sieve. Weigh and record the mass of the material retained on the 2.36-milimeter sieve and leave this material (do not discard) on the scale or balance. Fabric balls must remain on the scale or balance and be placed together on the side to prevent them from being covered or disturbed when the material from finer sieves is placed onto the scale or balance. The material retained on the 2.00-milimeter sieve must be added to the scale or balance. Weigh and record that mass as the accumulative mass retained on the 2.00-milimeter sieve. Continue weighing and recording the accumulated masses retained on the remaining sieves until the accumulated mass retained in the pan has been determined. Before discarding the crumb rubber modifier sample, separately weigh and record the total mass of fabric balls in the sample.
3. Determine the mass of material passing the 75-micrometer sieve by subtracting the accumulated mass retained on the 75-micrometer sieve from the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass of 5 g or less, cross out the recorded number for the accumulated mass retained in the pan and copy the number recorded for the accumulated mass retained on the 75-micrometer sieve and record that number, next to the crossed out number, as the accumulated mass retained in the pan. If the material passing the 75-micrometer sieve has a mass greater than 5 g, cross out the recorded number for the accumulated mass retained in the pan, subtract 5 g from that number and record the difference next to the crossed-out number. The adjustment to the accumulated mass retained in the pan accounts for the 5 g of talc added to the sample. For calculation purposes, the adjusted total sample mass is the same as the adjusted accumulated mass retained in the pan. Determine the percent passing based on the adjusted total sample mass and record to the nearest 0.1 percent (0.1%).

Screenings

Before precoating with asphalt binder when tested under California Test 202 the screenings must have the gradation and properties shown below.

<u>GRADATION</u>	
<u>Sieve Sizes</u>	<u>Percent Passing</u>
3/4"	100
1/2"	99-100
3/8"	70-85
#4	0-10
#16	0-5
#200	0-1 *

*Wet sieve requirement

TESTING REQUIREMENTS

<u>Test</u>	<u>CA Test Method</u>	<u>Requirements</u>
Loss in Los Angeles Rattler (after 100 revolutions)	211	10% max
Loss in Los Angeles Rattler (after 500 revolutions)	211	40% max
Film Stripping	302	25% max
Cleanness Value	227	80 min
Durability	229	52 min

EQUIPMENT AND CONSTRUCTION

General

Equipment must include and comply with the following:

1. Screenings haul trucks. Haul trucks must have:
 - a) Tailgates that discharge screenings
 - b) Devices to lock onto the rear screenings' spreader hitch
 - c) Dump beds that will not push down on the spreader when fully raised
 - d) Dump beds that will not spill screenings on the roadway when transferred to the spreader hopper
 - e) Tarpaulins to cover precoated screenings when haul distance exceeds 30 minutes or ambient temperature is less than 65 degrees F.
2. Self-propelled screenings spreader. The spreader must have:
 - a) Screenings hopper in the rear
 - b) Belt conveyors that carry the screenings to the front
 - c) Spreading hopper capable of providing a uniform screening spread rate over the entire width of the traffic lane in 1 application.
3. Self-propelled power brooms. Do not use gutter brooms or steel-tined brooms. Brooms must be capable of removing loose screenings adjacent to barriers that prevent screenings from being swept off the roadway, including curbs, gutters, dikes, berms, and railings.
4. Pneumatic-tired rollers. Pneumatic-tired rollers must be an oscillating type at least 4 feet wide. Each roller must be self-propelled and reversible. Pneumatic tires must be of equal size, diameter, type, and ply. The roller must carry at least 3,000 lbs. of load on each wheel and each tire must have an air pressure of 100 ± 5 psi.

Asphalt Rubber Equipment

Equipment for asphalt rubber application must include and comply with the following:

1. Tank to heat and maintain the temperature of blended asphalt binder and asphalt modifier before adding crumb rubber modifier. The tank must have a thermostatic heat control device and a temperature reading device accurate to within 5 degrees F. The heat control device must be the recording type.

2. Mechanical mixer for complete, homogeneous blending of asphalt binder, asphalt modifier, and crumb rubber modifier. Asphalt binder and asphalt modifier must be introduced into the mixer through meters. The blending system must vary the rate of delivery for asphalt binder and asphalt modifier proportionate to crumb rubber modifier delivery. The mixer must not allow the temperature of asphalt binder and asphalt modifier to vary more than 25 degrees F. Each ingredient feed must be equipped with a rate-of-feed indicator for determining the amount delivered during production. The meters used to proportion each liquid ingredient must be equipped with rate-of-flow indicators with resettable totalizers so that the total amount can be determined. Feed liquid and dry ingredients directly into the mixer at a uniform and controlled rate. Reduce the quantity of ingredients in the mixer if dead areas occur. The mixer must have a safe sampling device that delivers completed asphalt rubber binder in the quantity needed for testing.
3. Storage tank for asphalt rubber binder. The storage tank must have a heating system to maintain the temperature and an internal mixing device to prevent separation.
4. Self-propelled distributor truck. The truck must have the following features:
 - i) Heating unit
 - ii) Internal mixing unit
 - iii) Pumps that spray asphalt rubber binder within 0.05 gal/sq yd of the specified rate
 - iv) Fully circulating spray bar that applies asphalt rubber binder uniformly
 - v) Tachometer
 - vi) Pressure gages
 - vii) Volume measuring devices
 - viii) Thermometer
 - ix) Observation platform on the rear of the truck for an observer on the platform to see the nozzles and unplug them if needed.
5. Under supports for scale bearing points for scale structures where the total load, the live load plus dead load is less than 17 tons, must be constructed as follows:
 - i) Use 4 legs. Total load on any leg may not exceed 14.5 psi.
 - ii) Use structural grade steel with a minimum cross-sectional dimension of 20 inches and a minimum thickness of 1.5 inches.
 - iii) Construct under support in a way that they do not move or deflect during production operations.
 - iv) Install mechanical indicating elements level, plumb, and rigidly mounted on the under supports.
 - v) Prevent saturation of the ground under the scale with adequate drainage and provide support of 14.5 psi at each support.
 - vi) Scale structures may be installed using concrete under supports and comply with Section 9.

Surface Preparation

Pavement must be completely dry prior to the application of asphalt rubber chip seal.

Special care shall be taken to clean the pavement before the chip seal application. Immediately prior to the application of the chip seal the surface to receive the chip seal shall be cleaned by power brooming, flushing or other means necessary to remove all vegetation, loose particles of paving, all dirt, and all other extraneous material. Vegetation shall be removed from cracks in pavement and at the interface of pavement and gutter prior to sweeping. The Contractor shall blow the cracks clean of loose materials, away from pavement or previously cleaned cracks, with a high-pressure air nozzle (90 psi or greater and free of oil). Pavements impregnated with grease, oil, or fuel shall be thoroughly scrubbed with water and an approved detergent and then flushed and swept clean. Wash water shall be vacuumed up and disposed of and shall not be permitted to enter the storm drain system. Contractor shall be responsible for sweeping the streets until sufficiently cleaned to the satisfaction of the Engineer. Streets shall be swept from face of curb to face of curb. Pavement missed by or inaccessible to power brooms shall be swept manually or by other methods approved by the Engineer.

All existing temporary and permanent pavement markers and temporary delineation shall be removed in accordance with Section SP-16, "Existing Highway Facilities" of these Special Provisions.

Immediately before commencing the seal operations, all surface metal utility covers (including survey monuments) shall be protected by thoroughly covering the surface with an appropriate adhesive and paper or plastic. No adhesive material shall be permitted to cover, seal or fill the joint between the frame and cover of the structure. Covers are to be uncovered and cleaned of chip seal material by the end of the same workday.

Precoat Screenings

Screening must be preheated from 260 to 325°F. Coat with any of the asphalts specified in the table titled "Performance Graded Asphalt Binder" in Section 92 of Caltrans 2010 Standard Specifications.

Coat screenings at a central mixing plant. The asphalt must be from 0.5 to 1.0 percent by weight of dry screenings. The Engineer shall determine the exact rate.

The plant must be authorized under California Test Method 109 and the Department's material plant quality program.

Do not stockpile preheated or pre-coated screenings.

Application of Asphalt Rubber Binder

Apply asphalt rubber binder immediately after the reaction period. At the time of application, the temperature of asphalt rubber binder must be from 385 to 415°F.

Apply asphalt rubber binder at a rate from 0.55 to 0.65 gal/sq yd. The Engineer determines the exact rate. Avoid application over the specified rate which may result in “bleeding”. If medium severity “bleeding” occurs over an area greater than 10 square feet, Contractor shall remove and replace affected areas at their own cost during the warranty period. Medium severity “bleeding” is defined as that asphalt sticks to shoes and vehicles during more than 3 weeks of the year.

Apply asphalt rubber binder when the atmospheric temperature is from 60 to 105°F and the pavement surface temperature is between 75°F and 140°F.

Do not apply asphalt rubber binder unless there are sufficient screenings available to cover the asphalt rubber binder within two (2) minutes. Intersections, turn lanes, gore points, and irregular areas must be covered within fifteen (15) minutes.

Do not apply asphalt rubber binder when weather or road conditions are unsuitable, including high wind or when the pavement is damp. Unsuitable weather conditions include when temperatures below 40°F are anticipated for the next twenty-four (24) hours after applying the rubberized chip seal, or sustained winds are greater than ten (10) mph. Complete surface treatment application at least two (2) hours before sunset.

If you request to use a variable application rate apparatus and the Engineer authorizes, the rate in the wheel paths may be reduced to 0.50 gal/sq yd.

Spreading Screenings

Prevent vehicles from driving on asphalt rubber binder before spreading screenings.

Broom excess screenings at joints before spreading adjacent screenings.

Operate the spreader at speeds slow enough to prevent screenings from rolling over after dropping.

If the spreader is not moving, screenings must not drop. If you stop spreading and screenings drop, remove the excess screenings before resuming activities.

During transit, cover pre-coated screenings for asphalt rubber seal coat with tarpaulins if the ambient air temperature is below 65°F or the haul time exceeds thirty (30) minutes.

At the time of application, screenings for asphalt rubber seal coat must be from 225 to 325°F.

Spread screenings at a rate from 28 to 40 lb/sq yd. The exact rate is determined by the Engineer. Spread to within ten percent (10%) of the determined rate.

Leave uncovered a strip of sprayed asphalt approximately six (6) inches wide to permit an overlap of asphalt material.

Finishing And Rolling Operations

Chip seal shall be finished and screenings compacted in accordance with Section 37-2.01C(4)(d), “Finishing” of the State of California Department of Transportation Standard Specifications, except that the third, fourth, and fifth paragraph shall not apply. In addition, the following shall apply:

- a. A minimum of three (3) pneumatic tired rollers conforming to the requirements specified in Section 37-2.01C(2), “Equipment”, of the Caltrans Standard Specifications shall be used, except that the rollers shall carry a minimum loading of 3,000 pounds on each wheel and air pressure of between 95 and 105 pounds per square (psi) inch in each tire.
- b. Operate rollers at a maximum speed of five (5) mph. Do not permit the aggregate to be displaced by pickup or sticking of material to the tire or drum surfaces. Roll the surface to uniformity and thoroughly bond the aggregate over the full width. Complete rolling within one (1) hour after asphalt is applied to the surface.
- c. In the course of construction where the asphalt-rubber distributor truck creates a joint by stopping at some point along the length of the roadway, the screenings spreader shall stop short of this joint, leaving a small strip of uncovered asphalt rubber. This is to prevent an overlapping double thickness joint from being created once work resumes. All reasonable precautions shall be taken to avoid skips and overlaps at joints. Any defect shall be corrected at the Contractor’s expense by use of a shovel and/ or broom prior to continuing operations.
- d. The seal coat shall be applied in such a manner that the joint between the new and existing surface is neat and uniform in appearance, true to the line show on the plans and as established by the Engineer. The cut-off of asphaltic binder shall be made on building paper or similar material spread over the surface.
- e. Initial rolling of the asphalt-rubber chip seal shall consist of a minimum of one (1) complete coverage with three pneumatic-tired rollers working in tandem and shall begin immediately behind the screening’s spreader. The distance between the rollers and the screenings spreader shall not exceed 200 feet at any time during the spreading of screenings operations.
- f. A minimum of three (3) additional complete coverages with the three pneumatic-tire rollers shall be made after the initial coverage on the asphalt-rubber chip seal.
- g. In addition to the three pneumatic-tired rollers one (1) 12-14 ton steel wheel roller shall be used on the final pass as the finish roller.
- h. Limit traffic speeds to fifteen (15) mph for twenty-four (24) hours after rolling operations have ceased; use of pilot cars may be necessary for the roadways that are typically driven on at higher rate of speed.

Final Sweeping

- A. Removal of excess aggregate shall be completed before uncontrolled traffic is permitted on the modified asphalt binder seal coat.
- B. An initial brooming shall be performed after completion of the final rolling and prior to routing public traffic on the modified asphalt binder seal coat.

Sweeping shall be a multi-step operation following final rolling of the Aggregate. Loose Aggregate shall be removed from the roadway surface and abutting adjacent areas. Loose Aggregate shall be disposed of at least 46 m from the nearest waterway.

The Contractor shall be responsible for any damages to the vehicles, pedestrians and residents due to loose aggregate. The Contractor is responsible for additional sweeping if requested by the Engineer.

Maintaining Traffic - Contractor shall provide temporary C6 "LOOSE GRAVEL" with 15-MPH speed limit signs installed at the entrance and at 150 feet intervals on both sides of the streets.

Pilot cars shall be sufficiently available to continuously convoy and control traffic. Pilot cars used to convoy or otherwise control traffic shall have radio contact with each other and other personnel in the work area. Pilot cars shall use only traffic lanes open to public traffic.

Test Strip

The Contractor shall construct three (3) test strips for evaluation by the Engineer. The test strips shall be 50 feet to 100 feet long and shall consist of the application courses specified. The test strips shall be constructed in the early morning and shall cure and be open to traffic within ten (10) minutes of application. The three (3) test strips will be performed with varied asphalt aggregate spread rates, as specified by the Engineer, to best select the application rates to be used for the operation.

The Engineer will evaluate the completed test strip immediately after traffic is allowed on the completed test strip to determine if the mix design and placement procedure are acceptable. If the materials as placed are determined by the Engineer to be unacceptable, no additional work will be permitted until the Contractor's proposed remediation has been approved by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work.

Each time the topography, roadway conditions, or type of road changes and is planned to be treated with the rubberized chip seal a new set of test strips shall be performed to ensure that the spread rates and rolling patterns are still applicable.

The approved test strip will be used for public relations purposes by the City for local residents to observe.

Microsurfacing

Microsurfacing shall be applied as describes in separate items of these Special Provisions. **Microsurfacing shall be paid by separate items. See Item No. 4: Microsurfacing (Type II) to Place for slurry Seal specifications.**

Microsurfacing coat shall be applied no sooner than seven (7) calendar days and no later than fourteen (14) calendar days after the modified asphalt binder chip seal is applied.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in asphalt rubber chip seal, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 4 - MICROSURFACING (TYPE II)

Microsurfacing shall consist of mixing a polymer modified, cationic microsurfacing emulsion (MSE), aggregate, mineral filler, set-control additives, and water and spreading the mixture on a pavement surface where shown on the plans, in conformance with the provisions in these special provisions, and as directed by the Engineer.

Material:

The material for microsurfacing shall conform to the following requirements:

Microsurfacing Emulsion (MSE)

Microsurfacing Emulsion (MSE) shall be homogenous and shall conform to the provisions of these special provisions. The polymer shall be milled or blended into the asphalt or blended into the emulsifier solution prior to the emulsification process.

The MSE shall conform to the following requirements when tested in conformance with the following test methods:

Polymer Modified, Cationic Microsurfacing Emulsion (MSE)		
Specification Designation	Test Method	Requirement
Viscosity, SSF, @ 77 F (25 C)	AASHTO T 59	15-90 Seconds
Sieve, max.	AASHTO T 59	0.30 Percent
Settlement, 5 days, max.	ASTM D244	5 Percent

Storage Stability, 1 day, max.	AASHTO T 59	1 Percent
Residue by Evaporation, min.	California Test 331	64 Percent

Specification Designation for Residue		
Specification Designation	Test Method	Requirement
Penetration@ 77 F (25C), 100g, 5s ,0.1mm	AASHTO T 51	40-60
Softening Point F min.	AASHTO T53	140

Polymer Content

Polymer Content shall be greater than or equal to 3.5%.

Water and Additives

Water shall be of such quality that the asphalt will not separate from the MSE before the microsurfacing is placed on the pavement. If necessary for workability, a set-control agent that will not adversely affect the microsurfacing product may be used.

Mineral Filler

Mineral filler shall be Portland cement or hydrated lime that is free of lumps. Portland cement shall be either Type I, Type II, Type III or combination thereof. The type of mineral filler shall be determined by the Contractor based on laboratory mix designs. The mineral filler will be considered part of the aggregate gradation requirement.

Aggregate

Slurry seal aggregate for all roads shall conform to ISSA Type II aggregate and shall be manufactured crushed stone such as granite, slag, limestone, chat, or other high quality aggregate, or combination thereof. To assure the material is totally crushed, 100% of the parent aggregate shall be larger than the largest stone in the gradation to be used.

When tested in accordance to AASHTO T27 (ASTM C136) and AASHTO T11 (ASTM C117), the aggregate gradation (including the mineral filler) shall be within following bands.

Type II Slurry Seal	
Sieve Sizes	Passing Percentage
9.5 mm (3/8")	100
4.75 mm (#4)	94-100
2.36 mm (#8)	65-90
1.18 mm (#16)	40-70
600 um (#30)	30-50
330 um (#50)	18-30
150 um (#100)	10-21
75 um (#200)	5-15

After the target gradation has been submitted and identified in the mix design, the percent passing each sieve shall not vary by more than the stockpile tolerance and still remain within the gradation band during the application of slurry seal.

The mineral aggregate shall also conform to the following:

Test	Test Method	Requirements
Sand Equivalent	CTM 217	70 min.
Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	CTM 214	15% Maximum w/Na ₂ SO ₄ 25% Maximum w/MgSO ₄
Loss in L.A. Rattler (100 Revolutions)	CTM 211	10% max.
Loss in L.A. Rattler (500 Revolutions)	CTM 211	35% max.
Durability Index	CTM 229	70 min.

Mix Design:

At least 7 working days before the microsurfacing placement commences, the Contractor shall submit for approval of the Engineer a laboratory report of tests and a proposed mix design covering the specific materials proposed for use on the project.

The percentages of each individual material proposed in the mix design shall be shown in the laboratory report. Individual materials shall be within the following limits:

Residual Asphalt	7.5% to 13.5% by dry mass of aggregate
Mineral Filler	0% to 3% by dry mass of aggregate
Additive	As needed
Water	As needed

Adjustments may be required during construction based on field conditions.

The mix design and aggregate tests shall be performed by a laboratory capable of performing the applicable International Slurry Surfacing Association (ISSA) tests. The proposed microsurfacing mixture shall conform to the specified requirements when tested in conformance with the following tests:

Test	ISSA Test Method	Requirements
Wet Cohesion @ 30 Minute (Set) (min.) @ 60 Minute (Traffic) (min.)	TB* 139	12 kg-cm 20 kg-cm
Excess Asphalt	TB* 109	540 g/m ²
Wet Stripping (min.)	TB* 114	90%
Wet Track Abrasion 6-day Soak Loss (max.)	TB* 100	810 g/m ²
Displacement Lateral (max.) Specific Gravity After 1000 Cycles of 125 lbs. (56.8 kg)(max.)	TB* 147A	5%. 2.10

Classification Compatibility	TB* 144	(AAA, BAA) 11 Grade Points
Mix Time @ 77°F (25°C)	TB* 113	Controllable to 120 Seconds
TB* = Technical Bulletin		

The laboratory that performed the tests and designed the mixture shall sign the laboratory report. The report shall show the results of the tests on individual materials and shall compare their values to those required by these special provisions. The report shall clearly show the proportions of aggregate, filler (minimum and maximum), water (minimum and maximum), set control additive, and MSE solids content (minimum and maximum) based on the dry mass of aggregate. The laboratory shall report the quantitative effects of moisture content on the unit mass of the aggregate (bulking effect) in conformance with the requirements of ASTM Designation C 29M. Previous laboratory reports covering the same materials may be accepted provided the material test reports were completed within the previous 12 months. The mix design shall further show the recommended changes in mineral filler, water, and additive proportions for high temperature weather conditions by reporting proportions of materials required for 60 seconds of mix time with materials heated to 100 °F (38°C). This 100 °F (38°C) mixing report will not be required for projects requiring nighttime application.

The component materials used in the mix design shall be representative of the microsurfacing materials proposed by the Contractor for use on the project.

Once the mix design is approved by the Engineer, no substitution of other material will be permitted unless the materials proposed for substitution are first tested and a laboratory report is submitted for the substituted design in conformance with the provisions of these special provisions. Substituted materials shall not be used until the mix design for those materials has been approved by the Engineer.

The completed mixture, after addition of water and set control agent, if used, shall be such that the microsurfacing mixture has proper workability. At the expiration of the road closure hours, in conformance with the provisions in "Maintaining Traffic" of these special provisions, the microsurfacing mixture shall be sufficiently cured to support unrestricted traffic one hour after placement.

Proportioning:

Aggregate, mineral filler, MSE, water, and additives, including the set-control agent, if used, shall be proportioned by volume utilizing the mix design approved by the Engineer. If more than one kind of aggregate is used, the correct amount of each kind of aggregate to produce the required grading shall be proportioned separately, prior to adding the other materials of the mixture, in a manner that will result in a uniform and homogeneous blend.

The aggregate shall be proportioned using a belt feeder operated with an adjustable cutoff gate. The height of the gate opening shall be determinable. The MSE shall be proportioned by a positive displacement pump. Variable rate emulsion pumps, if used, shall be calibrated and sealed in the pump's calibrated condition in conformance with California Test 109 prior to usage.

The delivery rate of aggregate and MSE per revolution of the aggregate feeder shall be calibrated at the appropriate gate settings for each mixer-spreader truck used on the project in conformance with California Test 109 and in conformance with the provisions of these special provisions.

The aggregate belt feeder shall deliver aggregate to the pugmill with such volumetric consistency that the deviation for any individual aggregate delivery rate check-run shall not exceed 2.0 percent of the mathematical average of 3 runs of at least 100 revolutions. The emulsion pump shall deliver MSE to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons revolutions. The water pump shall deliver water to the pugmill with such volumetric consistency that the deviation for any individual delivery rate check-run shall be within 2.0 percent of the mathematical average of 3 runs of at least 300 gallons (1135 L) each.

The MSE storage tank shall be located immediately before the emulsion pump and shall be equipped with a device which will automatically shut down the power to the emulsion pump and aggregate belt feeder when the MSE level is lowered to a point where the pump suction line is exposed.

A temperature-indicating device shall be installed in the emulsion storage tank at the pump suction level. The device shall indicate the temperature of the MSE and shall be accurate to within 10°F (5°C).

The belt delivering the aggregate to the pugmill shall be equipped with a device to monitor the depth of aggregate being delivered to the pugmill. The device for monitoring the depth of aggregate shall automatically shut down the power to the aggregate belt feeder whenever the depth of aggregate is less than the target depth of flow. A second device shall be located where the device will monitor the movement of the aggregate belt by detecting revolutions of the belt feeder. The devices for monitoring no flow or belt movement shall automatically shut down the power to the aggregate belt when the aggregate belt movement is interrupted. The device to detect revolutions of the belt feeder will not be required where the aggregate delivery belt is an integral part of the drive chain. To avoid erroneous shutdown by normal fluctuation, a delay of 3 seconds will be permitted between sensing and shutdown of the operation.

Mixing and Spreading Equipment:

The microsurfacing shall be mixed in continuous pugmill mixers of adequate size and power for the type of microsurfacing to be placed. All indicators shall be in conformance with the provisions of these special provisions and shall be in working order prior to commencing mixing and spreading operations.

Mixer-spreader trucks shall be equipped to proportion the MSE, water, aggregate, mineral filler, and set-control additives by volume. Rotating and reciprocating equipment on mixer-spreader trucks shall be covered with metal guards.

The mixer-spreader truck shall not be operated unless low-flow and no-flow devices and revolution counters are in good working condition and functioning and metal guards are in place. Indicators required by these special provisions shall be visible while walking alongside the mixer-spreader truck.

Aggregate feeders shall be connected directly to the drive on the emulsion pump. The drive shaft of the aggregate feeder shall be equipped with a revolution counter reading to the nearest one-tenth of a revolution.

In addition to the requirements in Section 5-1.33, "Equipment" of the State Standard Specifications, the identifying number of mixer-spreader trucks shall be at least three inches (75 mm) in height, located on the front and rear of the vehicle.

The microsurfacing mixture shall be spread by means of a spreader box conforming to the following requirements:

Spreader Box

The spreader box shall be capable of placing the microsurfacing a minimum of 12 feet (3.6 m) wide and shall have strips of flexible rubber belting or similar material on each side of the spreader box and in contact with the pavement to prevent the loss of microsurfacing from the box. Spreader boxes over eight feet (2.38 m) in application width shall have baffles, reversible motor driven augers or other suitable means to ensure uniform application on superelevated sections and shoulder slopes. Spreader box skids shall be maintained in such manner as to prevent chatter (wash boarding) in the finished mat. The spreader box in use shall be clean and free of microsurfacing and MSE at the start of each work shift.

The spreader box shall have a series of strike-off devices at the rear of the box. The leading strike-off device shall be fabricated of steel, stiff rubber or other suitable material. The number of strike-off devices shall be determined by the Contractor. The first strike-off device shall be designed to maintain close contact with the pavement during the spreading operations, shall obtain the thickness required, and shall be capable of being adjusted to the various pavement cross sections for application of a uniform microsurfacing finished surface. The final strike-off device shall be fabricated of flexible material suitable for the intended use and shall be designed and operated to ensure a uniform texture is achieved in the finished surface of the microsurfacing. The final strike-off device shall be cleaned or changed daily if problems with longitudinal scouring occur.

Flexible fabric drags attached to the rear of the spreader box shall not be used.

Preparation of Surface:

Immediately prior to applying the microsurfacing, the Contractor shall clean the street surface and lip of gutter joints of all loose material, silt spots, vegetation, and any other matter, which may adversely affect the adherence of the slurry to the existing pavement.

The Contractor shall remove thermoplastic stripes/markings, preformed traffic stripes/markings and raised pavement markers prior to slurry seal operation. The cost of removing the thermoplastic and preformed pavement stripes/markings shall be paid for by their associated bid item. The cost of removing all raised pavement markers, including raised blue fire hydrant markers, shall be included in the "Raised Reflective Pavement Markers to Place" bid item.

The Contractor shall be responsible for sweeping all streets with a mechanical power broom prior to sealing. The Engineer may require particularly dirty streets to be flushed with water. The Engineer must approve all flushing operations. The Contractor shall be responsible for cleaning sidewalks and driveways soiled by flushing operations.

The City shall remove and dispose of any garden refuse piles placed in the street.

The Contractor shall be responsible for locating, covering, removing, cleaning and protecting all utility covers, maintenance hole covers, water valve boxes, and any other utility covers. The methods of protection, referencing, locating, and cleaning shall be subject to approval by the Engineer prior to any resurfacing.

All protective coverings shall be removed from maintenance hole covers, water valve boxes, and other utility covers each day before opening the street to traffic.

Existing blue fire hydrant locators shall be removed prior to placing of the microsurfacing. New "raised, blue dot, hydrant marking devices" shall be installed by the Contractor after the microsurfacing has been set for three (3) calendar days, but no later than seven (7) calendar days after placement of the microsurfacing. The Contractor shall place the new approved "blue dot, hydrant marking devices" with approved two-part epoxy adhesive per the instruction and at the locations determined by the Engineer. The placing of the raised blue dots shall be paid for under Item No.9 "Pavement Markers to Remove and Place" of these Special Provisions.

Placing:

The microsurfacing mixture shall be uniformly spread on the existing surfacing within the rate specified without spotting, rehandling or otherwise shifting of the mixture.

The microsurfacing mixture shall not be placed when the ambient temperature is below 50 °F (10°C) or during unsuitable weather. Microsurfacing shall not be placed if rain is imminent or if there is the possibility that there will be freezing temperatures within 24 hours.

Microsurfacing shall be spread at a rate within the following ranges of pound of dry aggregate per square yard.

Microsurfacing Type	Location	Spread Rate
Type II	Full Traffic Width	15 - 17
Type III ¹	Full Traffic Width	20 - 32
Type III ²	Full Traffic Width	30 - 32
Notes: 1. For microsurfacing over asphalt concrete pavement.		

2. For microsurfacing over Portland cement concrete pavement and concrete bridge decks.

The emulsion rate per square yard of dry aggregate shall be fourteen (14%) to sixteen (16%) percent of dry aggregate per square yard.

Longitudinal joints shall correspond with the edges of the traffic lanes. The Engineer may permit other patterns of longitudinal joints if the patterns will not adversely affect the quality of the finished product.

Through traffic lanes shall be spread in full lane widths only. Longitudinal joints common to 2 traffic lanes shall be butt joints with overlaps not to exceed 3 inches (76 mm). Building paper shall be placed at the transverse joints to avoid double placement of the microsurfacing. Other suitable methods to avoid double placement of the microsurfacing will be allowed. Hand tools shall be available to remove spillage.

Self-propelled pneumatic-tired rollers shall be used for the required rolling of the microsurfacing. Steel wheel rollers **shall not** be used. The pneumatic-tired rollers shall carry a minimum loading of 3,000 pounds (1,361 kg) on each wheel and a minimum pressure of 90 pounds per square inch in each tire. Foam filled tires will be allowed in lieu of 90 psi.

Rolling of the microsurfacing shall consist of a minimum of nine complete passes on straight roadway sections and fifteen complete passes on cul-de-sac bulbs. Rolling shall be completed before the street is open to traffic after the microsurfacing application. Contractor shall have sufficient number of rollers on site to fulfill this requirement.

The mixture shall be uniform and homogeneous after placing on the surfacing and shall not show separation of the MSE and aggregate after setting. The completed surface shall be of uniform texture and free from ruts, humps, depressions, or irregularities.

Adequate means shall be provided to protect the microsurfacing from damage by traffic until such time that the mixture has cured sufficiently so that the microsurfacing will not adhere to or be picked up by the tires of vehicles.

The Contractor shall be responsible for sweeping the streets and sidewalks to clear all raveling that may occur within the first two day after placing of the slurry seal, at no additional cost to the City..

The Contractor is responsible for an additional sweep approximately one week after placement of slurry seal and a final sweep approximately three to four weeks after placement of slurry seal.

The Contractor is responsible for additional sweeping if requested by the Engineer within 24 hours of the Engineer's request.

Test Strip:

The Contractor shall construct a test strip for evaluation by the Engineer. The test strip shall be 300 feet (100 m) to 500 feet (150 m) long and shall consist of the application courses specified. The test strip shall be constructed at the same time of day or night that the full production of microsurfacing will be placed and may be constructed in 2 days or nights when multiple course applications are specified.

The Engineer will evaluate the completed test strip after 12 hours of traffic on the completed test strip to determine if the mix design and placement procedure are acceptable. If the mix design or the placement procedure is determined by the Engineer to be unacceptable, the test strip will be rejected, the Contractor shall make modifications, and a new test strip shall be constructed and evaluated by the Engineer. The cost of materials and placement of the test strips, which have been rejected, shall be borne by the Contractor and will not be considered as part of the contract work. If ordered by the Engineer, rejected test strips shall be removed at the Contractors expense.

Repair of Early Distress:

If bleeding, raveling, delamination, rutting, or washboarding occurs after placing the microsurfacing, the Contractor shall diligently pursue repairs by any method approved by the Engineer, which may include micro-milling and replacement of the resurfacing.

Measurement and Payment:

Measurement for payment shall be taken from edge of pavement to edge of pavement, or from lip of the gutter to lip of gutter.

Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, material, tools, equipment, and incidentals to perform all work involved in microsurfacing, as specified in these Special Provisions and as directed by the Engineer.

~~ITEM NO. 5 – SIDEWALK~~

~~Portland cement concrete (PCC) sidewalk shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 of the Standard Specifications.~~

~~Sidewalk transitions to driveways shall be included in this bid item.~~

~~The sidewalk portion of the curb ramps shall be paid under this item. Curb ramps shall be constructed where shown on the Plans or as directed by the Engineer.~~

~~The cost of excavation and its disposal, placing six inches (6") of Aggregate Base Class 2 under the new sidewalk, and placing type 3 curb as needed at the back of walk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions. Type 3 curb shall conform to DWG T-11 of the Standard specifications.~~

~~At locations where curb ramps or sidewalks are being retrofitted into existing sidewalk areas, sidewalk shall match existing color by adding one pound of lamp black per cubic yard of concrete.~~

~~If concrete curb, or curb and gutter, which is abutting concrete sidewalk, is poured separately (non-monolithically) then the Contractor shall construct a dowelled connection between the curb and sidewalk.~~

~~Payment shall be at the unit price bid per square foot and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing 3 1/2" PCC sidewalk as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

~~ITEM NO. 6 – CURB AND GUTTER (TYPE 1)~~

~~Portland cement concrete curb and gutter type 1 shall be constructed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 10, 24 and 38 (DWG. T-11) of the Standard Specifications.~~

~~The curb and gutter portion of the curb ramps and transitions to existing curb and gutter of a different type shall be paid for with this item of work.~~

~~The cost of excavation and its disposal and placing six inches (6") of Aggregate Base Class 2 under the new sidewalk shall be paid under this item. Class 2 aggregate base shall conform to Sections 10 and 17 of the Standard Specifications and these Special Provisions.~~

~~The new concrete curb and gutter shall match existing improvements. The curb and gutter shall match existing color by adding one pound of lamp black per cubic yard of concrete.~~

~~Payment shall be at the unit price bid per lineal foot and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all work involved in constructing curb and gutter type 1 as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

~~ITEM NO. 7 – TRUNCATED DOMES~~

~~Cast in place truncated domes shall be installed as shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 38 (DWG.T-78 and T-79) of the Standard Specifications.~~

~~Detectable Warning Tiles shall be Armor Tile, ADA Solutions, Equaltile or approved equal, as manufactured by Engineered Plastics Inc.: Product (#1) #ADA-C3648S-YW, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #ADA-S-3648-YW, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow or ADA Solutions Product (#1) #3648IDPAV1Y, Cast in Place, 36" x 48", Sound Amplifying, Color Federal Yellow, Product (#2) #3648IDRET1Y, Surface Applied, 36" x 48", Sound Amplifying, Color Federal Yellow. Detectable Warning Tiles shall have a five (5) year written warranty.~~

~~Installation of detectable warnings shall be by manufacturers, trained and certified individuals. Detectable warning and installation shall have a five (5) year written warranty.~~

~~Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with installing cast in place truncated domes as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.~~

ITEM NO. 8 - ADJUST MAINTENANCE HOLE TO GRADE

Existing maintenance holes shall be adjusted to the grade of the new surface and shall conform to the applicable requirements of Sections 10, 25 and 38 of the Standard Specifications and these Special Provisions.

The cost of adjusting a maintenance hole shall include any necessary lowering, temporarily removing, covering and raising the maintenance hole head to the grade of the new surface under this item.

If lowering is necessary, the Contractor shall verify that all lowered maintenance holes are raised back to grade by back checking against drawings. The Contractor shall perform field review with the Engineer to ensure all maintenance holes shown on the drawings have been raised to grade.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in adjusting maintenance holes to grade as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 9 - INSTALL SIGN POST

This item shall consist of installing new posts for traffic signs where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the posts. The Contractor shall review the proposed post location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the post. The Engineer may make adjustments to the proposed post location in the field.

All posts shall have a minimum resisting Moment of 400 foot-pounds. All posts shall be capped. Post caps may be aluminum or galvanized steel. Bolts and miscellaneous metal hardware shall be galvanized or plated after fabrication in conformance with Section 75 "galvanizing" of the State of California, Department of Transportation Standard Specifications.

Payment shall be made at the unit price bid per each post, and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in

installing new posts for traffic signs as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 10 - INSTALL ROADSIDE SIGN

This item shall consist of manufacturing, furnishing and installing traffic signs on existing posts or new posts shall be placed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Sections 32 and 38 of the Standard Specifications and these Special Provisions. New posts will be paid by a separate item.

A sign material and installation submittal must be reviewed and accepted by the Engineer before fabrication and installation.

The Contractor shall notify the Engineer two (2) working days prior to the placement of the signs. The Contractor shall review the proposed sign location with the Engineer and a supervisor from the City's Traffic Signs and Markings section prior to installation of the sign. The Engineer may make adjustments to the proposed sign location in the field.

The Contractor shall use the sign sizes as shown in the State of California, Department of Transportation Traffic Manual, unless specified otherwise on the drawings.

Signs located at the side of the roadway shall have a minimum height of seven feet (7') from the adjacent ground to the bottom of the sign, unless specified otherwise. The height of a combination of signs in the median, such as an R7 with an R10, shall be 18 inches from the top of the island to the bottom of the lowest sign (R10) with a maximum one-inch separation between the two signs.

Each sign shall have the date of manufacture and a location number stenciled on the backside. Location information shall consist of each sign having an individual number which will be recorded on a clean set of Plans during the sign installation and shall be turned in as part of the "Record Drawings".

A. Sign Posts

A 5/16-inch diameter cap screw with a plated rubber backwasher against the face of the sign and elastic stop nuts shall be placed through the sign and post at both top and bottom of each sign. A "V" notched piped saddle, to support the sign, shall be placed between the sign and the post.

B. Signal and Street Light Poles

Place a 3/4-inch stainless steel banded strap and appropriate hardware at both top and bottom of each sign.

C. Sheeting Grade

Sheeting Grade shall use ASTM Type 11 or 3M DG Cubed specifications designed to enhance nighttime visibility of traffic control signs and objects. Type 11 or 3M DG Cubed sheeting shall have a precoated adhesive protected by an easily removable liner.

D. Sign Material

All signs shall be aluminum panels conforming to 5052-H38. All road signs shall be 0.08” thick with the exception of street name signs which shall be 0.125” thick.

Payment shall be made at the unit price bid per each sign and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved in placing traffic signs on existing posts or new post as shown on Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 11 - RELOCATE ROADSIDE SIGN

Existing roadside signs shall be removed and relocated to the new locations shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Each roadside sign shall be installed at the new location on the same day that the sign is removed from its original location. If the sign post in the original location is no longer in use, contractor shall remove and dispose of pole.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in relocating the roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 12 - REMOVE ROADSIDE SIGN

Existing roadside signs shall be removed where shown on the Plans or as directed by the Engineer and shall conform to the applicable requirements of Section 32 of the Standard Specifications and these Special Provisions. Removed sign panels shall be salvaged and delivered to the City of Sacramento Traffic Sign and Markings Section at 5730 24st Street, Building 10, Sacramento, CA. Existing roadside signs shall not be removed until replacement signs have been installed or until the existing signs are no longer required for the direction of public traffic, unless otherwise directed by the Engineer.

Payment shall be at the unit price bid per each and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in removing roadside signs as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 13 - REMOVE THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Thermoplastic and preformed traffic stripes (4”, 6”, 8”, 12”) shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing traffic stripes shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The striping and markings’ contractor shall be required to provide and submit to the Engineer a weekly schedule of work for each week showing a list of streets in order of performance at least

one week prior to performing any work. A contact person and phone number of responsible parties shall be affixed to this list.

The Contractor shall place temporary markers prior to removing traffic control measures during the striping removal operation. Temporary markers shall be maintained until permanent striping is in place.

Measurement shall be by the linear foot of traffic stripe removed. No payment will be made for gaps in broken traffic stripes. Double center stripes shall be paid as two (2) four-inch stripes.

Twelve-inch traffic stripes are defined as both transverse and longitudinal lines, which include, but are not limited to, 12" limit lines, 12" crosswalks stripes, and 12" speed hump stripes. 24" limit lines shall be considered as two 12" stripes to remove.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Thermoplastic and preformed pavement marking shall be removed to the fullest extent possible from the pavement by grinding. Grinding material left on the pavement as a result of removing markings shall be removed as the work progresses. Accumulations of grinding material, which might constitute a hazard to traffic, will not be permitted.

The quantities of this item may be adjusted, deleted, or omitted as directed by the Engineer to meet existing requirements. No adjustment to the unit price bid will be made because of a change in quantity from the Engineer's estimate.

Pavement markings are defined as, but are not limited to, word and symbol markings, parking brackets, and "Ladder" crosswalks.

Payment shall be lump sum for remove thermoplastic striping and pavement marking and shall include full compensation for furnishing all labor, materials, tools, equipment, incidentals and for doing all work involved with removing traffic stripes and pavement markings as specified in these Special Provisions and as directed by the Engineer

ITEM NO. 14 - INSTALL THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKINGS

Preformed thermoplastic stripe and pavement markings, both white and yellow, shall be constructed on asphalt and asphalt concrete pavement as shown on the plans or as directed by the Engineer and shall conform to AASHTO M249-79(98) and the applicable requirements of Section 32 of the City Standard Specifications and these Special Provisions.

Measurement shall be per lump sum to install all striping, pavement markings and marker shown on plans and in accordance with Caltrans Standard Detail A20A. For example, a Detail 22 includes two solid stripes and 2 markers every 24'. The measurement per lump sum would include the placement of both the stripes and markers, including the blue markers that must be placed in front

of fire hydrants, and all pavement markings not covered under a separate bid item, and no additional payment would be made therefor.

Payment shall be at the unit price bid per lump sum for placement of thermoplastic pavement stripes and markers, thermoplastic pavement markings and shall include full compensation for furnishing all labor, material, tools, equipment, incidentals and for doing all work involved in the placement of such as shown on the Plans, as specified in these Special Provisions and as directed by the Engineer.

ITEM NO. 15 - MODULAR CURB

Installing modular curb at the locations shown on the plans shall conform to Section 32 City Standard Specifications 81 & 82 of the State Standard Specifications, the 2014 California Manual for Uniform Traffic Control Devices, and these Special Provisions and as directed by the Engineer.

Modular Curb shall be three-foot overall length speed bump. The curbs shall be approximately 2.25" tall and surface mounted per the manufacturer's recommendation. Acceptable models include PEXCO FG300 Turnpike or approved equal. Modular curb shall include 36" white posts with at least 2-2" bands of retroreflective tape at the top of post.

Contractor shall submit to Engineer, for approval, the manufacturer's specification of the tuff curb. Curbs shall not be placed on the project prior to approval by the Engineers of the manufacturer's specifications submitted by the contractor.

Payment shall be at the price paid per liner foot and shall be full compensation for furnishing all labor, materials, tools, equipment and incidentals, as shown on the Drawings, as specified in these Special Provisions or as directed by the Engineer.