

**CITY OF LEMOORE
NOTICE TO CONTRACTORS AND
SPECIAL PROVISIONS
FOR
CITY OF LEMOORE 2021 ANNUAL ROAD MAINTENANCE PROJECT**

For use in connection with federally funded Local Assistance construction projects administered under the Standard Specifications Dated 2018 and Standard Plans Dated 2018 of the California Department of Transportation, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

CRITICAL DATES AND REQUIREMENTS*

Advertise:	August 16, 2021
Pre-Bid Meeting/ Job Walk:	August 23, 2021 @ 9:00 AM at City of Lemoore, Public Works located at 711 W Cinnamon Drive, Lemoore, CA Attendance is not mandatory but recommended.
Engineer's Estimate:	\$215,000.00
Last Day to Submit Written Questions:	September 9, 2021 @ 5:00 PM
Bids Due/Bid Opening:	September 14, 2021 @ 2:00 PM at City of Lemoore City Hall
Contractor License Requirement(s):	'A' and City Business License
Project Completion Time:	30 working days
Proposed Council Action to Award:	September 21, 2021, Council Meeting
Pre-Construction Meeting/ Notice to Proceed:	September 27, 2021 @ 9AM at City of Lemoore City Hall
Construction Start Date:	October 4, 2021
Construction End Date:	November 12, 2021
Notice of Completion Council Action:	November 16, 2021

*Subject to change upon previous notice

City of Lemoore

2021 ANNUAL ROAD MAINTENANCE PROJECT
BID CONDITIONS, GENERAL CONDITIONS, & SPECIAL PROVISIONS

Prepared by Certification:

In accordance with the provisions of Section 6735 of the Business and Professions Code of the State of California, these specifications have been prepared by or under the direction of the following Civil Engineer, licensed in the State of California.



A&M CONSULTIGN ENGINEERS, INC.
220 N LOCUST STREET
VISALIA, CA 93291

559-429-4747

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CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS
NOTICE TO CONTRACTORS

Sealed proposals for the work shown on the plans entitled:

PROJECT PLANS FOR

2021 ANNUAL ROAD MAINTENANCE PROJECT

Will be received at the Office of the City Clerk at the City of Lemoore 711 W Cinnamon Drive, Lemoore, CA, until **2:00 PM** on **September 14, 2021**, at which time they will be publicly opened and read.

Proposal forms for this work are entitled:

BID BOOK FOR

2021 ANNUAL ROAD MAINTENANCE PROJECT

General work description:

The work to be done includes but is not limited to the following: Fiberized black rock micro-surfacing, striping, signage and other items of or details not mentioned above, that are required by typical construction, Standard Specifications or these special provisions.

A Pre-Bid Meeting is scheduled for **August 23, 2021, at 9:00 AM**, at Lemoore City Hall, 711 W Cinnamon Drive, Lemoore, California. This meeting is to inform bidders of project requirements and subcontractors of subcontracting and material supply opportunities. Bidder's attendance at this meeting will not be mandatory. All interested bidders shall register and be placed on the bidders list to be considered for the project by emailing or calling Orfil Muniz, PE at orfil@am-engr.com. or 559-429-4747.

Bids are required for the entire work described herein.

Bids **must** be submitted on the Bid Proposal form provided by the City of Lemoore. Each bid must be accompanied by one of the following forms of bidder's security in the amount of ten percent (10%) of the amount bid: (1) cash; (2) a cashier's check made payable to the City of Lemoore; (3) a certified check made payable to the City of Lemoore; or (4) a bidder's bond executed by an admitted surety insurer, made payable to the City of Lemoore. Each bidder must be a licensed contractor as required by law at the time the contract is awarded. The bidder who is awarded the project contract will be allowed pursuant to Public Contract Code Section 22300 to substitute securities for the payment of funds withheld under the contract. In addition, the successful bidder must furnish: (1) a faithful performance bond in the amount of one hundred percent (100%) of the contract price; and (2) a payment bond (also referred to as a labor and material bond) in the amount of one hundred percent (100%) of the contract price. All bonds must be in a form approved by the City of Lemoore and must conform to California law (see Code of Civil Procedure section 995.010 et seq.). All documents submitted in compliance with the requirements of this bid package and the contract must be scannable and photocopyable. The City hereby invokes its protest right under California Code of Civil Procedure 995.660 for any proposed surety bond submitted in satisfaction of the requirements of this agreement if the submitted bond is not issued by an admitted surety rated A-, VII or better by Best's Rating Service.

The contractor shall possess a City Business License and a Class "A" license at the time this contract is awarded.

No contractor or subcontractor may be listed on a bid proposal or awarded a contract for a public works project unless registered with the Department of Industrial Relations pursuant to Labor Code Sec. 1725.5. This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.

This contract is subject to state contract nondiscrimination and compliance requirements pursuant to Government Code, Section 12990.

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, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

Inquiries or questions based on alleged patent ambiguity of the plans, specifications or estimate must be communicated as a bidder inquiry prior to bid opening. Any such inquiries or questions, submitted after bid opening, will not be treated as a bid protest. Technical questions should be directed to Orfil Muniz, PE, telephone (559) 429-4747.

Plans, specifications and bid documents may be obtained for a NONREFUNDABLE FEE OF \$ 60.00 per set from:

A&M Consulting Engineers
220 North Locust Street, Visalia, CA
(559) 429-4747

An additional charge of \$25.00 per set will be made for mailing.

Pursuant to Section 1773 of the Labor Code, the general prevailing wage rates in the county, or counties, in which the work is to be done have been determined by the Director of the California Department of Industrial Relations. These wages are set forth in the General Prevailing Wage Rates for this project, available at City of Lemoore City Hall, 711 W Cinnamon Drive, California, and available from the California Department of Industrial Relations' Internet web site at <http://www.dir.ca.gov>. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in the books issued for bidding purposes entitled "Bid Book," and in copies of this book that may be examined at the offices described above where project plans, special provisions, and proposal forms may be seen. Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of "Bid Books." Future effective general prevailing wage rates, which have been predetermined and are on file with the California Department of Industrial Relations are referenced but not printed in the general prevailing wage rates.

Attention is directed to the Federal minimum wage rate requirements in the books entitled "Bid Book." If there is a difference between the minimum wage rates predetermined by the Secretary of Labor and the general prevailing wage rates determined by the Director of the California Department of Industrial Relations for similar classifications of labor, the Contractor and subcontractors shall pay not less than the higher wage rate. The Department will not accept lower State wage rates not specifically included in the Federal minimum wage determinations. This includes "helper" (or other classifications based on hours of experience) or any other classification not appearing in the Federal wage determinations. Where Federal wage determinations do not contain the State wage rate determination otherwise available for use by the Contractor and subcontractors, the Contractor and subcontractors shall pay not less than the Federal minimum wage rate that most closely approximates the duties of the employees in question.

The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

CITY OF LEMOORE, CITY CLERK _____
Marisa Avalos

DATED _____

Department of Transportation: City Council of the City of LEMOORE, State of California.

Engineer: City Engineer of the City of LEMOORE, State of California, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

Laboratory: The laboratories authorized by the Engineer to test materials and work involved in the contract.

State: The City of LEMOORE Transportation Building - Sacramento: City Hall, City of LEMOORE, State of California.

State Highway Engineer: The City Engineer of the City of LEMOORE, State of California.

Standard Specifications: The 2018 edition of the Standard Specifications of the State of California, Department of Transportation. Any reference therein to the State of California or a State agency, office, or officer shall be interpreted to refer to the City or its corresponding agency, office, or officer acting under this contract.

CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS

SPECIAL PROVISIONS

SECTION 1. SPECIFICATIONS AND PLANS

The work embraced herein shall be done in accordance with the Standard Specifications dated 2018, and the Standard Plans dated 2018, of the Department of Transportation and any amendments insofar as the same may apply and these special provisions. In case of conflict between the Standard Specifications and these special provisions, the special provisions shall take precedence over and be used in lieu of the conflicting portions.

1-1.01 DESCRIPTION OF WORK

The work to be done includes, but is not limited to the following:

The work to be done includes, but is not limited to the following: Concrete including demo, sidewalks, drive approaches, curb & gutter, accessible ramps, bulb-outs, asphalt including demo, striping, signage including relocation of solar LED signs and other items of or details not mentioned above, that are required by typical construction, Standard Specifications or these special provisions.

Pursuant to the Land Surveyor's Act of the Business and Professions Code of the State of California, Section 8771, a corner record and/or record of survey locating/referencing all existing monuments in the project area shall be filed with the County Surveyor prior to and after construction activities. The City of Lemoore will prepare the corner record prior to construction activities. The Contractor is responsible for provision of the corner record or record of survey post-construction to satisfy this regulation. The cost shall be considered as in the various items of work and no separate payment will be made therefore.

In case of conflict between the Standard Specifications and these special provisions, the more restrictive of the two shall take precedence over and be used in lieu of the conflicting portions, unless otherwise directed by the engineer.

1-1.02 SCOPE OF WORK

(a) **WORK TO BE DONE.** The work to be done consists of furnishing all labor, materials, methods and processes, implements, tools and machinery, except as otherwise specified, which are necessary and required to construct and put in complete order for use in the proposed improvements designated in the Contract, and to leave the grounds in a neat condition.

(b) **ALTERATION.** By mutual consent in writing of the parties signatory to the Contract, alterations or deviation, increases or decreases, additions or omissions, in the plans and specifications, may be made and the same shall in no way affect or make void the Contract. The City reserves the right to increase or decrease the quantity of any item or portion of the work, or to omit portions of the work as may be deemed necessary or expedient by the Engineer.

(c) **EXTRA WORK.** New and unforeseen work will be classed as extra work when such work cannot be covered by any of the various items or combination of items for which there is a bid price.

The Contractor shall do no extra work except upon written order from the Engineer. For such extra work the Contractor shall receive payment as previously agreed upon in writing, or he shall be paid on force account.

(d) **REMOVAL OF OBSTRUCTIONS.** The Contractor shall remove and dispose of all structures, debris, or other obstructions of any character of the construction of the street or road, if and as required by the Engineer.

The Contractor shall remove and dispose of all trees designated by the Engineer as obstructions to the proper completion of the work.

The removing and disposing of all obstructions to the prosecution of the Contract, unless otherwise specified, shall be considered as included in the various items of Contract work and no additional compensation will be allowed therefore.

(e) ROADWAY FINISHING. Contractor shall do minor grading to back edges of roadway to eliminate vertical separation and improve roadside drainage by creating shallow swales for transportation of storm runoff. Upon completion, and before making application for acceptance of the work, the Contractor shall clean the street or road, borrow pits, and all ground occupied by him in connection with the work; remove all rubbish, excess materials, temporary structures, and equipment; and all parts of the work shall be left in a neat and presentable condition.

1-1.03 CONTROL OF THE WORK

Attention is directed to Section 5 of the Standard Specifications.

(a) ENGINEER. The Engineer shall decide any and all questions which may arise as to the quality or acceptability of materials furnished and work performed, and as to the manner of performance and rate of progress of the work; any questions which arise as to the interpretation of the plans and specifications; all questions as to the acceptable fulfillment of the Contract on the part of the Contractor; and all questions as to claims and compensation.

The Engineer's decision shall be final, he shall have executive authority to enforce and make effective such decisions, and orders as the Contractor fails to carry out promptly.

(b) PLANS. All authorized alterations affecting the requirements and information given on the approved plans shall be in writing. No changes shall be made of any plan or drawing after the Engineer has approved the same, except by direction of the Engineer.

Working drawings or plans for any structure not included in the plans furnished by the Engineer shall be approved by the Engineer before and work involving these plans shall be performed, unless approval is waived in writing by the Engineer.

It is mutually agreed, however, that the approval by the Engineer of the Contractor's working plan does not relieve the Contractor of any responsibility for accuracy of dimensions and details, and that the Contractor shall be responsible for agreement and conformity of this working plans with the approved plans and specifications.

(c) CONFORMITY WITH PLANS AND ALLOWABLE DEVIATIONS. Finished surfaces in all cases shall conform to the lines, grades, cross-sections, and dimensions shown on the approved plans. Deviations from the approved plans, as may be required by the exigencies of construction will be determined in all cases by the Engineer and authorized in writing.

(d) COORDINATION OF PLANS, SPECIFICATIONS, AND SPECIAL PROVISIONS. These specifications, the plans, special provisions, and all supplementary documents are essential parts of the Contract, and a requirement occurring in one is as binding as though occurring in all. They are intended to be cooperative, to describe, and to provide for a complete work. Plans shall govern over specifications: special provisions shall govern over both specifications and plans. City specifications shall govern over State Standard Specifications.

(e) INTERPRETATION OF PLANS AND SPECIFICATIONS. Should it appear that the work to be done, or any matter relative thereto, is not sufficiently detailed or explained in these specifications, plans, and the special provisions, the Contractor shall apply to the Engineer for such explanation or interpretation as part of the Contract, so far as may be consistent with the intent of the original specifications. In the event of doubt or questions relative to the true meaning of the specifications, reference shall be made to the City Council, whose decision there on shall be final. In the event of any discrepancy between any drawings and the figures written thereon, the figures shall be taken as correct.

(f) SUPERINTENDENCE. Whenever the Contractor is not present on any part of the work where it may be desired to give direction, orders will be given by the Engineer in writing and shall be received and obeyed by the superintendent or foreman in charge of the particular work in reference to which orders are given.

(g) LINES AND GRADES. All distances and measurements are given and will be made in a horizontal plane. Grades are given from the top of stakes or nails, unless otherwise noted on the plans or provided by the contractor's surveyor.

Three consecutive points shown on the same rate of slope must be used in common, in order to detect any variation from a straight grade, and in case any such discrepancy exists, it must be reported to the Engineer. If such a discrepancy is not reported to the Engineer, the Contractor shall be responsible for any error in the finished work.

The Contractor shall preserve all stakes and points set for lines, grades, or measurements of the work in their proper places until authorized to remove them by the Engineer. The Contractor shall provide construction survey and pay all expenses incurred in replacing stakes that have been removed without proper authority.

(h) INSPECTION. The Engineer shall at all times have access to the work during construction, and shall be furnished with every reasonable facility to ascertain full knowledge in regards to the progress, workmanship, and character of materials used and employed in the work.

Whenever the Contractor varies the period during which work is carried on each day, he shall give due notice to the Engineer, so that proper inspections may be provided. Any work done in the absence of the Engineer will be subject to rejection. The Contractor shall be required to pay overtime rates for inspection outside of normal working hours or on weekends. Compensation for inspection overtime shall be deducted from the contractor's retention payment.

The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill the Contract as prescribed. Defective work shall be made good, and unsuitable materials may be rejected, notwithstanding the fact that such defective work and unsuitable materials have been previously overlooked by the Engineer and accepted or estimated for payment.

Projects financed in whole or in part with State, Federal or other funding agencies, shall be subject to inspection at all times by the City Manager, or his agents, and representatives of the funding agency.

(i) REMOVAL OF DEFECTIVE AND UNAUTHORIZED WORK. All work which is defective in its construction or deficient in any of the requirements of these specifications shall be remedied, or removed and replaced by the Contractor in an acceptable manner, and no compensation will be allowed for such corrections.

(j) FINAL INSPECTION. When the work specified by this contract has been completed, the contractor shall inform the Project Engineer. A final inspection shall then be made. If all work has been completed satisfactorily the Project Engineer shall notify the City Manager and the City Manager shall cause a "NOTICE OF COMPLETION" to be filed and recorded with the Kern County Recorder.

1-1.04 CONTROL OF MATERIALS

Attention is directed to Section 6 of the Standard Specifications.

Any work done beyond the lines and grades shown on the plans or established by the Engineer, or any extra work done without written authority, will be considered as unauthorized and will not be paid for.

Upon failure on the part of the Contractor to comply forthwith with any order of the Engineer made under the provisions of this Article, the Engineer shall have the authority to cause defective work to be remedied, or removed and replaced, and unauthorized work to be removed, and to deduct the costs thereof from any moneys due or to become due the Contractor.

(a) SAMPLES AND TESTS. At the option of the Engineer, the source of supply of each of the materials shall be approved by the Engineer before delivery is started and before such material is used in the work. Representative preliminary samples of the character and quality prescribed shall be submitted by the Contractor or producer of all materials to be used in the work, for testing or examination as desired by the Engineer.

All tests of materials furnished by the Contractor shall be made in accordance with commonly recognized standards of national organizations, and such special methods and tests as are prescribed in the specifications.

The Contractor shall furnish such samples of materials as are requested by the Engineer, without charge. No material shall be used until the Engineer has approved it. Samples will be secured and tested whenever necessary to determine the quality of materials.

(b) DEFECTIVE MATERIALS. All materials not conforming to the requirements of these specifications shall be considered as defective, and all such materials, whether in place or not, shall be rejected and shall be removed immediately from the site of the work unless otherwise permitted by the Engineer. No rejected material, the defects of which have been subsequently corrected, shall be used until approved in writing by the Director of Public Works.

Upon failure on the part of the Contractor to comply with any order of the Director of Public Works made under the provisions of this article, the Department of Public Works shall have authority to remove and replace defective material and deduct the cost of removal and replacement from any moneys due or to become due the Contractor.

1-1.05 LEGAL RELATIONS AND RESPONSIBILITIES TO THE PUBLIC

Attention is directed to Section 7 of the Standard Specifications.

(a) **LAWS TO BE OBSERVED.** The Contractor shall keep himself fully informed of all existing and future county, State and National laws and all municipal ordinances and regulations of the City which in any manner affect those engaged or employed in the work, or the materials used in the work, or which in any way affect the conduct of the work, and of all such orders and decrees of bodies or tribunals having any jurisdiction or authority over the same.

(b) **HOURS OF LABOR.** The Contractor shall forfeit, as penalty to the City, twenty-five dollars (\$25.00) for each laborer, workman or mechanic employed in the execution of the Contract by him, or by any subcontractor under him, upon any of the work here-in-before mentioned, for each calendar day during which said laborer, workman, or mechanic is required or permitted to labor in violation of the provisions of Section 1810 to Section 1815, inclusive, of the Labor Code.

(c) The Contractor shall comply with Section 6705 of the Labor Code that provides that the Contractor's responsibility shall be as follows:

If the Contract price for the project includes an expenditure in excess of twenty-five thousand dollars (\$25,000) for excavation of any trench or trenches five feet or more in depth, the Contractor or his subcontractor shall not begin any trench excavation unless a detailed plan, showing the design of shoring, bracing, sloping or other provisions to be made for worker protection during the excavation of the trench, has been submitted by the Contractor to the City Engineer and the detailed plan has been approved by the City Engineer.

If such plan varies from the shoring system standards established by the construction Safety Orders of the Division of Industrial Safety, the plan shall be prepared by a registered Civil or Structural Engineer.

Nothing in this section shall be deemed to allow the use of shoring, sloping, or protective system less effective than that required by the Construction Safety Orders of the Division of Industrial Safety.

Nothing in this section shall be construed to impose tort liability on the City, or any of the City employees, State of California, City Engineer, or any of the City Engineer's authorized representatives. or any employee thereof.

The terms "public works" and "awarding body," as used in this section, shall have the same meaning as in Labor Code Sections 1720 and 1722 respectively.

(d) **EQUAL EMPLOYMENT OPPORTUNITY.** The contractor is required to have an E.E.O. policy that prohibits discrimination and provides for affirmative action in employment practices. The Contractor shall adopt the following statement as his operating policy:

1. It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment without regard to their, Race, religion, sex, color, nation origin, age or disability. Such action shall include, but not be limited to, the following: Employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on the job training. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, sex, or national origin.
3. The Contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other Contract or understanding, a notice to be provided advising the labor union or worker's representative of the Contractor's commitments under Section 202 of Executive Order No. 11246 of September 24, 1965, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. The Contractor will comply with all provisions of Executive Order No. 11246 as amended by Executive Order 11373, and of the rules, regulations, and relevant orders of the Secretary of Labor.
5. The contractor is required to have a designated EEO officer who has the responsibility and authority to administer the contractor's EEO policy.
6. All of the contractor's employees who have an active role in hiring, supervision, or advancement of employees are required to be aware of and implement the contractor's EEO policy. In addition, it is required that employees,

including applicants and potential employees, be informed of the contractor's EEO policy through posted notices, posters, handbooks, and employee meetings.

7. The contractor shall not discriminate in his recruitment practices and should make an effort to identify sources of potential minority and women employees.
8. The Contractor is required to periodically review the project sites, wages, personnel actions, etc., for evidence of discriminatory treatment. The contractor is to promptly investigate all alleged discrimination complaints.
9. The contractor is required to advise employees and applicants of training programs available and to assist in the improvement of the skills of minorities, women, and applicants, through such programs.
10. The contractor is not, and cannot be, required to hire Union employees; however, if the contractor relies on unions as a source of employees, the contractor is encouraged to obtain cooperation with the unions to increase opportunities for minorities and women. The contractor should use his best efforts to incorporate an EEO clause into Union Agreements.
11. The contractor's EEO policy also pertains to his selection of subcontractors, including material suppliers an equipment leasing companies. Contractors are encouraged to use the Disadvantaged Business Enterprises (DBE's) or other subcontractors that employ minorities and women. Furthermore, contractors are required to exercise their best efforts to ensure that subcontractors comply with the EEO requirements.
12. Records that document compliance with the EEO policy are to be prepared and retained by the contractor for a period of three (3) years after project completion. These records should include the numbers of minority, women, and non-minority employees in each work classification on the project; and the progress and effort being made to increase the employment opportunities for minorities and women.

The contractor is required to submit an annual EEO report to the State Highway Authority each July, for the duration of the project. If the project contains on-the-job training (OJT), this information is also required to be collected and reported.

13. The contractor shall issue copies of all EEO policy documentation, pertaining to this contract project, to the project engineer prior to issuance of the "NOTICE OF COMPLETION". Non-Compliance with the EEO Specifications may be considered a breach of contract for which payment may be withheld or the contract canceled. The State Compliance staff may conduct interviews and make non-compliance determinations. In addition, reviews by the Office of Federal Contract Compliance Programs (OFCCP), may affect the contractors eligibility to participate in Federal-Aid Programs.

(e) NONSEGREGATED FACILITIES. The intent of this provision, also derived from Title VI, is to ensure that past discriminatory practices of providing segregated facilities or prohibiting minorities access to facilities are eliminated.

(f) PREVAILING WAGE. The Contractor shall, as a penalty to the City, forfeit twenty-five Dollars (\$25.00) for each calendar day or portion thereof, for each workman paid less than the stipulated prevailing rates for such work or craft in which such workman is employed under this Contract or by any subcontractor under him, in violation of the provisions of Section 1770 to Section 1780, inclusive of Labor Code.

The contractor shall submit weekly-certified payroll reports to the project engineer. The contractor is also responsible for all subcontractors weekly-certified payroll reports and shall submit copies of those reports to the project engineer. All reports shall be verified for accuracy as to hours worked, classification, wage rate, per diem wages. Discrepancies shall be brought to the attention of the contractor for correction. Failure of the contractor to provide weekly-certified payroll records for his employees, Certified Payroll records of subcontractors shall be considered a breach of contract for which payment may be withheld or the contract canceled. The State Compliance staff may conduct interviews and make non-compliance determinations. In addition, reviews by the Office of Federal Contract Compliance Programs (OFCCP), may affect the contractors eligibility to participate in Federal-Aid Programs.

Copies of the prevailing rate or per diem wages, for each craft, classification of type of workman needed to execute the Contract, are on file in the Office of the Director of Public Works and shall be made available to any interested party on request.

(g) APPRENTICES. All Contractors and subcontractors shall comply with the provisions of the California Labor Code Sections 1777.5, 1777.6,*1777.7 relating to the employment of apprentices, per section 7-1.01A (S) of the standard specifications.

(h) **REGISTRATION OF CONTRACTORS.** Before submitting bids, Contractors shall be licensed in accordance with the provisions of Section 7055 of the Business & Professions Code.

(i) **PERMITS AND LICENSES.** The Contractor shall procure all permits and licenses, including a **City Business License** for the general and any subcontractors, pay all charges and fees, and give all notices necessary and incidental to the due and lawful prosecution of the work.

(j) **PATENTS.** The Contractor shall assume all responsibilities arising from the use of patented materials, equipment, devices, or processes used on or incorporated in the work.

(k) **PUBLIC CONVENIENCE AND SAFETY.** The Contractor shall so conduct his operations as to cause the least possible obstruction and inconvenience to public traffic. Unless other existing streets are stipulated in the special provisions to be used as detours, all traffic shall be permitted to pass through the work site. Construction area signs shall be provided in accordance with Section 12 of the Standard Specifications.

Residents along the road or street shall be provided passage as far as practicable. Convenient access to driveways, houses and buildings along the road or street shall be maintained and temporary crossings shall be provided and maintained in good condition. Not more than one cross or intersecting street or road shall be closed at any time without the approval of the Engineer.

The Contractor shall furnish, erect, and maintain such fences, barriers, lights, and signs as are necessary to give adequate warning to the public at all times that the improvement is under construction and of any dangerous condition to be encountered as a result thereof, and he shall also erect and maintain such warnings as directional signs as may be furnished by the City. Contractor shall place oil-sand ramps at the intersection of all cross streets and header cuts produced by cold plane operations, where vertical separation of pavements exceeds 25 mm (1"). Ramps are to be at least 1 meter long for every 50 mm (2") of vertical separation.

Full compensation for conforming to the provisions of this Section 5 (k) shall be considered as included in the prices paid for the various Contract items of work and no additional compensation will be allowed therefore.

ACCIDENT PREVENTION:

1. The provisions of this section require the contractor to comply with all applicable Federal, State, and local laws governing safety, health, and sanitation. The contractor is required to provide all safeguard's, safety devices, and protective equipment, and is required to take such actions as are deemed necessary, to protect the life and health of employees and the safety of the public and property.
2. Furthermore the contractor and subcontractor may not require or permit a laborer or mechanic to perform work under conditions, which are unsanitary, hazardous, or dangerous to health or safety as determined by construction safety standards.
3. This section specifically sets forth the right of entry of Department of Labor representatives to any site of contract performance for the inspection or investigation of compliance with OSHA standards.

(l) **FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS.** This specifically provides that "willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal Law" and requires that the "False Statements" poster. Form FHWA-1022, shall be posted on the project.

(m) **RESPONSIBILITY FOR DAMAGE.** The City, the City Council, or the City Engineer or his representatives shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof; or for any material or equipment used in performing the work, or for injury or damage to any person or persons, either workmen or the public; or for damage to adjoining property caused by the negligence of Contractor or one of his subcontractors during the progress of the work at any time before final acceptance.

To the fullest extent permitted by law, the Contractor shall indemnify and hold harmless the City and its elected officials, consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect, or consequential (including but not limited to fees and charges of architects, engineers, attorneys, and other professionals and court and arbitration costs) arising out of or resulting from performance of the work, but not from the sole negligence or willful misconduct of the City; provided, that any such claim damage, loss or expense (a) is attributable to bodily injury, sickness, disease, or death or injury to or destruction of tangible property (other than the work itself) including the loss of use resulting therefrom, and (b) is caused in whole or in part by any negligent act or omission of the Contractor, any subcontractor, or any person or organization directly or indirectly employed by any of them to perform or furnish any of the work or anyone for whose acts any of them may be liable, regardless of whether a party indemnified hereunder or arises by or imposed by law regardless of the negligence of any such party.

(n) **CONTRACTOR'S RESPONSIBILITY FOR WORK.** Until the formal acceptance of the work by the City Engineer, the Contractor shall have the charge and care thereof and shall bear the risk of injury or damage to any part thereof by the action of the elements or from any other cause, whether arising from the execution or from the non-execution of the work. The Contractor shall rebuild, repair, restore, and make good all injuries or damages to any portion of the work occasioned by and of the above causes before final acceptance and shall bear the expense thereof, except such injuries or damages occasioned by acts of the Federal Government or the public enemy.

(p) **NO PERSONAL LIABILITY.** Neither the City Council, the Engineer, nor any other officer or authorized assistant or agent shall be personally responsible for any liability arising under the Contract.

(q) **RESPONSIBILITY OF CITY.** The City shall not be held responsible for the care or protection of any material or parts of the work prior to final acceptance, except as expressly provided in these specifications.

1-1.06 PROSECUTION AND PROGRESS

Attention is directed to Section 8 of the Standard Specifications.

(A) **SUBLETTING AND ASSIGNMENT.** The Contractor shall give his personal attention to the fulfillment of the Contract and shall keep the work under his control.

Subcontractors will not be recognized as such, and all persons engaged in the work of construction will be considered as employees of the Contractor, and their work shall be subject to the provisions of the Contract and specifications. Where a portion of the work sublet by the Contractor is not being prosecuted in a manner satisfactory to the City Engineer, the subcontractor shall be removed immediately on the requisition of the City Engineer and shall not be employed on the work.

(B) The Contractor shall diligently prosecute the work to completion before the expiration of **45 working days**, based on the Caltrans Workday Calendar.

(C) **CHARACTER OF WORKMEN.** If any subcontractor or person employed by the Contractor shall fail or refuse to carry out the directions of the Engineer or shall appear to the Engineer to be incompetent or to act in a disorderly or improper manner, he shall be discharged immediately on the requisition of the Engineer, and such person shall not again be employed on the work.

(D) **TIME OF COMPLETION AND LIQUIDATED DAMAGES.** It is agreed by the parties to the Contract that in case all the work called for under the Contract is not completed before or upon the expiration of the time limit as set forth in these specifications, damage will be sustained by the City, and that it is and will be impracticable to determine the actual damage which the City will sustain in the event of and by reason of such delay, and it is therefore agreed that the Contractor will pay to the City in the sum of **Seven hundred dollars (\$700)** per day for each and every calendar day's delay beyond the time prescribed to complete the work; and the Contractor agrees to pay such liquidated damages as herein provided, and in case the same are not paid, agrees that the City may deduct the amount thereof from any money due or that may become due the Contractor under the Contract.

It is further agreed that in case the work called for under the Contract is not finished and completed in all parts and requirements within the time specified the City Council shall have the right to extend the time for completion or not, as may seem best to serve the interest of the City; and if it decides to extend the time limit for the completion of the Contract, it shall further have the right to charge to the Contractor, his heirs assigns or sureties, and to deduct from the final payment for the work all or any part, as it may deem proper, of the actual cost of engineering, inspection, superintendent, and other overhead expenses which are directly chargeable to the Contract, and which accrue during the period of such extension, except that the cost of final surveys and preparation of final estimate shall not be included in such charges.

The Contractor shall not be assessed with liquidated damages nor the cost of engineering and inspection during any delay in the completion of work caused by acts of God or of the public enemy, acts of the City, fire, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather or delays of subcontractors due to such causes; provided that the Contractor shall within ten days from the beginning of any such delay, notify the Engineer in writing of the causes of delay, who shall ascertain the facts and the extent of the delay, and his findings of the facts thereon shall be final and conclusive.

In accordance with the provisions of Section 4215 of the California Government Code, the City shall assume the responsibility, between the parties to this Contract for the timely removal, relocation, and protection of existing main or trunk line utility and/or pipeline facilities located on the work site, if such facilities are not identified by the City in the plans and specifications made a part of these Contract documents. The City will not assess liquidated damages for delay in completion of the work, when such delay was caused by the failure of the City to provide for removal or relocation of such facilities. However, nothing herein shall be deemed to require the City to indicate the presence of existing service laterals or appurtenances whenever the presence of such facilities on the site of the work that can be inferred from the presence of other visible facilities, such as buildings, meter and junction boxes.

(E) **SUSPENSION OF CONTRACT.** If at any time in the opinion of the City Council, the Contractor has failed to supply an adequate working force, or material of proper quality or has failed in any other respect to prosecute the work with the diligence and force specified an intended and by the terms of the Contract, as directed by the Engineer, within the time specified in such notice, the City Council in any such case shall have the power to suspend the operation of the Contract. Upon receiving notice of such suspension, the Contractor's control shall terminate, and thereupon the City Council, or its duly authorized representative, may take possession of all or any part of the Contractor's materials, tools, equipment, and appliances upon the premises, and use the same for the purpose of completing said Contract, and hire such force and buy or rent such additional machinery, tools, appliances and equipment, and buy such additional materials and supplies at the Contractor's expense as may be necessary for the proper conduct of the work and for the completion thereof; or may employ other parties to carry the Contract to completion, employ the necessary workmen, substitute other machinery or materials, and purchase the materials contracted for, in such manner as the City Council may deem proper; or the City Council may annul and cancel the Contract and re-let the work or any part thereof. Any excess of cost arising there from over and above the Contract price will be charged against the Contractor and his sureties, who will be liable therefore. In the event of such suspension, all money due the Contractor or retained under the terms of the Contract shall be forfeited to the City; but such forfeiture will not release the Contractor or his sureties from liability or failure to fulfill the Contract. The Contractor and his sureties will be credited with the amount of money so forfeited toward any excess of cost over and above the Contract price, arising from the suspension of the operations of the Contract and the completion of the work by the City as above provided, and the Contractor will be so credited with any surplus remaining after all just claims for such completion have been paid.

In the determination of the question whether there has been any such non-compliance with the Contract as to warrant the suspension or annulment thereof, the decision of the City Council shall be binding on all parties to the Contract.

(F) **RIGHT OF WAY.** The City will provide the right of way for the work to be constructed. The Contractor shall make his own arrangements, and pay all expenses for additional area required by him outside of the limits of right of way unless otherwise provided in the Special Provisions. The contractor shall, if additional area for storage of equipment and materials outside of the right of way is required, obtain written permission from the property owner. A copy of that written permission shall be submitted to the Project Engineer.

1-1.07 MEASUREMENT AND PAYMENT

Attention is directed to Section 9 of the Standard Specifications.

(A) **EXTRA AND FORCE ACCOUNT WORK.** Extra work as herein before defined, when ordered and accepted, shall be paid for under a written work order in accordance with the terms therein provided. Payment for extra work will be made at the unit price or lump sum previously agreed upon by the Contractor and the Engineer, or by force account.

If the work is done on force account, the Contractor shall receive the actual cost of all material furnished by him as shown by his paid vouchers, plus fifteen percent (15%), and for all equipment and terms that are necessary he shall receive the current prices in the locality, which shall have been previously determined and agreed to in writing by the Engineer and by the Contractor, plus twenty percent (20%) provided, however, that the City reserves the right to furnish such materials required as it deems expedient, and the Contractor shall have no claim for profit on the cost of such materials. The price paid for labor shall include all payments imposed by State and Federal laws and for all payments made to, or on behalf of, the workmen, other than actual wages.

All extra work and force account shall be adjusted daily upon report sheets, prepared by the Contractor, submitted to the Project Engineer, and signed by both parties, which daily reports shall thereafter be considered the true record of extra work or force account work done.

In the event that the Contractor does not submit the required extra work daily report sheet to the Project Engineer on the day the extra work was performed, the Contractor shall submit said report within 15 days after the work was performed. (15-day period does not include holidays, or weekends). If the Engineer has not received said report within the specified 15 day time period, no compensation for the extra work / force account, shall be allowed, except by approval of the Project Engineer, and the City Council of the City.

(B) **MEASUREMENT AND PAYMENT.** Attention is directed to Section 9 of the Standard Specifications.

PARTIAL PAYMENTS. The City, once each month, shall cause to be prepared a Progress Pay Estimate. The Estimate shall include the total value of the work done to date. Payment will normally be made shortly after the third Tuesday of each month.

(C) **FINAL PAYMENT.** The Engineer shall, after completion of work, make a Final Estimate of the amount payable to the Contractor, including an itemization, segregated as to Contract item quantities, extra work and any other basis for payment. The City may retain 10% of the amount of this Final Estimate.

It is mutually agreed between the parties to the Contract that no certificate given or payments made under Contract, except the final certificate or retention payment, shall be conclusive evidence of the performance of the Contract, either wholly or in part, against any claim of the party of the first part, and no payment shall be construed to be an acceptance of any defective work or improper materials.

And the Contractor further agrees that the payment of the final amount due under the Contract, and the adjustment and payment for any work done in accordance with any alterations of the same, shall release the City, the City Council, and the Engineer from any and all claims of liability on account of work performed under the Contract or any alteration thereof.

(D) **SUBSTITUTION OF SECURITIES.** Whenever herein provision is made for withholding or retention of moneys to ensure performance, substitution of an equivalent amount (value) of securities shall be permitted in accordance with the provisions and requirements of Government Code Section 4590.

1-1.08 INSURANCE

Contractor shall procure and maintain for the duration of the Contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors. The cost of such insurance shall be included in the Contractor's bid.

A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Offices form No. G1 0002 (Ed. 1/73) covering Comprehensive General Liability and Insurance Services Office form number GL 0404 covering Broad Form Comprehensive General Liability; or Insurance Services Office Commercial General Liability coverage ("Occurrence" form CG 0001).
2. Insurance Services Office form number CA 0001 (Ed. 1/78) covering Automobile Liability, Code 1 "any auto" and endorsement CA 0025.
3. Workers' Compensation insurance as required by the Labor Code of the State of California and Employers Liability Insurance.

B. Minimum Limits of Insurance

Contractor shall maintain limits no less than:

1. General Liability: \$2,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage.
2. Automobile Liability: \$2,000,000 combined single limit per accident for bodily injury and property damage.
2. Workers' Compensation and Employers Liability: Workers' Compensation limits as required by the Labor Code of the State of California and Employers Liability limits of \$1,000,000 per accident.

C. Deductibles and Self-Insured Retention

Any deductibles or self-insured retention must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retention as respects the City, its officers, officials and employees and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigations, claim administration and defense expenses.

D. Other Insurance Provisions

1. General Liability and Automobile Liability Coverage

- a. The City, its officers, officials, employees and volunteers are to be covered as insured as respects: liability arising out of activities performed by or on behalf of the Contractor; products and completed operations of the Contractor; premises owned, occupied or used by the Contractor; or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the City, its officers, officials, employees or volunteers.

- b. The Contractor's insurance coverage shall be primary insurance that respects the City, its officers, officials, employees and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
- c. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the City, its officers, officials, employees or volunteers.
- d. The 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.

2. Worker's Compensation and Employers Liability Coverage

The insurer shall agree to waive all rights of subrogation against the City, its officers, officials, employees and volunteers for losses arising from work performed by the Contractor for the City.

3. All Coverage

Each insurance policy required by this clause shall be endorsed to state that coverage shall not be suspended, voided, canceled by either party, reduced in coverage or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the City.

E. Acceptability of Insurers

Insurance is to be placed with insurers with a Best's rating of no less than A:VII.

F. Verification of Coverage

Contractor shall furnish the City with certificates of insurance and with original endorsements affecting coverage required by this clause. The certificates and endorsements for each insurance policy are to be signed by a person authorized by the insurer to bind coverage on its behalf. The certificates and endorsements are to be on forms provided by the City and are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies at any time.

G. Subcontractors

Contractors shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage for subcontractors shall be subject to all of the requirements stated herein.

H. Workers' Compensation

In accordance with the provisions of Section 1860 of the California Labor Code, the Contractor's attention is directed to the requirement that in accordance with the provisions of Section 3700 of the California Labor Code, every Contractor will be required to secure the payment of compensation of his or her employees. In accordance with the provisions of Section 1861 of the California Labor Code, each Contractor to whom a public works Contract is awarded shall sign and file with the City the following certification prior to performing the work: "I am aware of the provisions of Section 3700 of the 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 I will comply with such provisions before commencing the performance of the work of this Contract."

I. Assignment of Rights

Pursuant to Section 4552 of the California Government Code, in submitting a bid to the City, the bidder offers and agrees that the bid is accepted, it will assign to the City all rights, title and interests in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act [Chapter 2, (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code], arising from purchase of goods, materials or services by the bidder for sale to the City pursuant to the bid. Such assignment shall be made and become effective at the time the City tenders final payment to the bidder.

J. Termination

The City may terminate this Contract, without cause, by giving seven (7) days prior written notice to the Contractor, and in such event, the City will pay the Contractor for that portion of the Contract price, less the aggregate of previous payments, and able to allocate to the work completed as of the date of termination. The City will also reimburse the Contractor for all costs necessarily incurred prior to the stoppage of the work and paid directly by the Contractor, not including overhead, general expenses or profit. The City will not be responsible to reimburse the Contractor for any continuing contractual commitments to said Contractors or material-suppliers or penalties or damages for canceling

such contractual commitments inasmuch as the Contractor shall make all subcontractors and other commitments subject to this provision.

K. Attorney's Fees

In the event any legal action is commenced to enforce or interpret the terms or conditions of this Contract, the prevailing party shall, in addition to any costs or other relief, be entitled to its reasonable attorney's fees.

1-1.09 ORDER OF WORK

The Contractor shall provide the City with a schedule of work prior to beginning work. This schedule shall be based on working from 7:00 AM to 3:30 PM Monday through Friday except City holidays. The City is closed every other Friday, a Calendar is provided in Appendix B.

1-1.10 QUANTITIES

The quantities are furnished in the ENGINEER'S ESTIMATE for bidders' information only. They are not guaranteed as to accuracy. Bids will be based on the quantities of the various Contract items as listed in the Engineer's Estimate and the Bidding Schedule.

COPY OF ENGINEER'S ESTIMATE
(NOT TO BE USED FOR BIDDING PURPOSES)

2021 ANNUAL ROAD MAINTENANCE PROJECT

Item No.	Description	Units	Quantity
1	Mobilization, Demobilization and Cleanup	LS	1
2	Traffic Control Plan & Implementation	LS	1
3	Type II (0.15 to 0.20%) Fiberized Black Rock Micro-surfacing & preparation work	SY	106,059
4	Signing, Striping, & Pavement Markings, (2 Coats)	LS	1

SECTION 2. PROPOSAL REQUIREMENTS AND CONDITIONS

2-1.01 GENERAL

The bidder's attention is directed to the provisions in Section 2, "Bidding" of the Standard Specifications and these special provisions for the requirements and conditions which the bidder must observe in the preparation of the proposal form and the submission of the bid.

In addition to the subcontractors required to be listed in conformance with Section 2-1.33C, "Subcontractor List," of the Standard Specifications, each proposal shall have listed therein the portion of work that will be done by each subcontractor listed. A sheet for listing the subcontractors is included in the Proposal.

The form of Bidder's Bond mentioned in the last paragraph in Section 2-1.34, "Bidder's Security" of the Standard Specifications will be found following the signature page of the Proposal.

In conformance with Public Contract Code Section 7106, a Non-collusion Affidavit is included in the Proposal. Signing the Proposal shall also constitute signature of the Non-collusion Affidavit.

The contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate. Each subcontract signed by the bidder must include this assurance.

2-1.03 BID OPENING

The Agency publicly opens and reads bids at the time and place shown on the Notice to Bidders

2-1.04 BID RIGGING

The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

2-1.05 CONTRACT AWARD

If the Agency awards the contract, the award is made to the lowest responsible and responsive bidder.

2-1.06 EXAMINATION OF PLANS, SPECIFICATIONS, CONTRACT, AND SITE OF WORK

Attention is directed to the provisions in Section 2-1.04 "Examination of Plans, Specifications, Contract, and Site of Work", of the Standard Specifications and these special provisions.

The bidder shall examine carefully the site of the work contemplated, the PLANS and specifications, and the Bid Book forms therefore. The submission of a bid shall be conclusive evidence that the bidder has investigated and is satisfied as to the general and local conditions to be encountered, as to the character, quality and scope of work to be performed, the quantities of materials to be furnished and as to the requirements of the proposal, PLANS, specifications and the contract.

The submission of a bid shall also be conclusive evidence that the bidder is satisfied as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered insofar as this information was reasonably ascertainable from an inspection of the site and the records of exploratory work done by the City as shown in the bid documents, as well as from the PLANS and specifications made a part of the contract.

Where the City has made investigations of site conditions including subsurface conditions in areas where work is to be performed under the contract, or in other areas, some of which may constitute possible local material sources, bidders or contractors may, upon written request, inspect the records of the City as to those investigations subject to and upon the conditions hereinafter set forth.

Where there has been prior construction by the City or other public agencies within the project limits, records of the prior construction that are currently in the possession of the City and which have been used by, or are known to, the designers and administrators of the project will be made available for inspection by bidders or contractors, upon written request, subject to the conditions hereinafter set forth. The records may include, but are not limited to, as-built drawings, design calculations,

foundation and site studies, project reports and other data assembled in connection with the investigation, design, construction and maintenance of the prior projects.

Inspection of the records of investigations and project records may be made at the office of the City in which the work is situated, or in the case of records of investigations related to structure work, at the Transportation Laboratory in Sacramento, California.

When a log of test borings or other record of geotechnical data obtained by the City's investigation of surface and subsurface conditions is included with the contract PLANS, it is furnished for the bidders' or Contractor's information and its use shall be subject to the conditions and limitations set forth in this Section 2-1.04 "Examination of Plans, Specifications, Contract, and Site of Work", of the Standard Specifications.

In some instances, information considered by the City to be of possible interest to bidders or contractors has been compiled as "Materials Information." The use of the "Materials Information" shall be subject to the conditions and limitations set forth in Section 2-1.01 "Examination of Plans, Specifications, Contract, and Site of Work" and Section 6-2, "Local Materials", of the Standard Specifications.

When cross sections are not included with the PLANS, but are available, bidders or contractors may inspect the cross sections and obtain copies for their use, at their expense.

When cross sections are included with the contract PLANS, it is expressly understood and agreed that the cross sections do not constitute part of the contract, do not necessarily represent actual site conditions or show location, character, dimensions and details of work to be performed, and are included in the PLANS only for the convenience of bidders and their use is subject to the conditions and limitations set forth in Section 2-1.04 "Examination of Plans, Specifications, Contract, and Site of Work", of the Standard Specifications.

When contour maps were used in the design of the project, the bidders may inspect those maps, and if available, they may obtain copies for their use.

The availability or use of information described in this Section is not to be construed in any way as a waiver of the provisions of the first paragraph in Section 2-1.04 "Examination of Plans, Specifications, Contract, and Site of Work", of the Standard Specifications; and bidders and contractors are cautioned to make independent investigations and examinations as they deem necessary to be satisfied as to conditions to be encountered in the performance of the work and, with respect to possible local material sources, the quality and quantity of material available from the property and the type and extent of processing that may be required in order to produce material conforming to the requirements of the specifications.

The City assumes no responsibility for conclusions or interpretations made by a bidder or contractor based on the information or data made available by the City. The City does not assume responsibility for representation made by its officers or agents before the execution of the contract concerning surface or subsurface conditions, unless that representation is expressly stated in the contract.

No conclusions or interpretations made by a bidder or contractor from the information and data made available by the City will relieve a bidder or contractor from properly fulfilling the terms of the contract.

2-1.07 CHANGED CONDITIONS

A. Differing Site Conditions

1. During the progress of the work, if subsurface or latent physical conditions are encountered at the site differing materially from those indicated in the contract or if unknown physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the contract, are encountered at the site, the party discovering such conditions shall promptly notify the other party in writing of the specific differing conditions before the site is disturbed and before the affected work is performed.
2. Upon written notification, the engineer will investigate the conditions, and if it is determined that the conditions materially differ and cause an increase or decrease in the cost or time required for the performance of any work under the contract, an adjustment, excluding anticipated profits, will be made and the contract modified in writing accordingly. The engineer will notify the contractor of the determination whether or not an adjustment of the contract is warranted.
3. No contract adjustment which results in a benefit to the contractor will be allowed unless the contractor has provided the required written notice.

4. No contract adjustment will be allowed under this clause for any effects caused on unchanged work. (This provision may be omitted by the Local Agency, at their option.)

B. Suspensions of Work Ordered by the Engineer

1. If the performance of all or any portion of the work is suspended or delayed by the engineer in writing for an unreasonable period of time (not originally anticipated, customary, or inherent to the construction industry) and the contractor believes that additional compensation and/or contract time is due as a result of such suspension or delay, the contractor shall submit to the engineer in writing a request for adjustment within 7 calendar days of receipt of the notice to resume work. The request shall set forth the reasons and support for such adjustment.
2. Upon receipt, the engineer will evaluate the contractor's request. If the engineer agrees that the cost and/or time required for the performance of the contract has increased as a result of such suspension and the suspension was caused by conditions beyond the control of and not the fault of the contractor, its suppliers, or subcontractors at any approved tier, and not caused by weather, the engineer will make an adjustment (excluding profit) and modify the contract in writing accordingly. The contractor will be notified of the engineer's determination whether or not an adjustment of the contract is warranted.
3. No contract adjustment will be allowed unless the contractor has submitted the request for adjustment within the time prescribed.
4. No contract adjustment will be allowed under this clause to the extent that performance would have been suspended or delayed by any other cause, or for which an adjustment is provided or excluded under any other term or condition of this contract.

C. Significant Changes in the Character of Work

1. The engineer reserves the right to make, in writing, at any time during the work, such changes in quantities and such alterations in the work as are necessary to satisfactorily complete the project. Such changes in quantities and alterations shall not invalidate the contract nor release the surety, and the contractor agrees to perform the work as altered.
2. If the alterations or changes in quantities significantly change the character of the work under the contract, whether such alterations or changes are in themselves significant changes to the character of the work or by affecting other work cause such other work to become significantly different in character, an adjustment, excluding anticipated profit, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the contractor in such amount as the engineer may determine to be fair and equitable.
3. If the alterations or changes in quantities do not significantly change the character of the work to be performed under the contract, the altered work will be paid for as provided elsewhere in the contract.
4. The term "significant change" shall be construed to apply only to the following circumstances:
 - When the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction; or
 - When a major item of work, as defined elsewhere in the contract, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity. Any allowance for an increase in quantity shall apply only to that portion in excess of 125 percent of original contract item quantity, or in case of a decrease below 75 percent, to the actual amount of work performed.

SECTION 3. AWARD AND EXECUTION OF CONTRACT

3-1.01 GENERAL

The bidder's attention is directed to the provisions in Section 3, "Award and Execution of Contract," of the Standard Specifications and these special provisions for the requirements and conditions concerning award and execution of contract.

Bid protests are to be delivered to the following address: 711 W Cinnamon Drive, Lemoore, CA

The award of the contract, if it be awarded, will be to the lowest responsible bidder whose bid complies with all the requirements prescribed.

The contract shall be executed by the successful bidder and shall be returned, together with the contract bonds, to the Agency so that it is received within 10 days, not including Saturdays, Sundays and legal holidays, after the bidder has received the contract for execution. Failure to do so shall be just cause for forfeiture of the proposal guaranty.

3-1.02 LICENSING AND REGISTRATION

The Contractor must be properly licensed as a contractor from contract award through Contract acceptance (Public Contract Code § 10164).

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, as defined in this chapter, unless currently registered and qualified to perform public work pursuant to Section 1725.5. It is not a violation of this section for an unregistered contractor to submit a bid that is authorized by Section 7029.1 of the Business and Professions Code or by Section 10164 or 20103.5 of the Public Contract Code, provided the contractor is registered to perform public work pursuant to Section 1725.5 at the time the contract is awarded.

SECTION 4. BEGINNING OF WORK, TIME OF COMPLETION AND LIQUIDATED DAMAGES

The Contractor shall begin work within 15 calendar days after the contract has been approved by the attorney appointed and authorized to represent the City of Lemoore.

This work shall be diligently prosecuted to completion before the expiration of **30 WORKING DAYS** beginning on the fifteenth calendar day after approval of the contract.

The Contractor shall pay to the City of Lemoore the sum of \$700 per day, for each and every working day's delay in finishing the work in excess of the number of working days prescribed above.

SECTION 5. GENERAL

5-1.01 LABOR NONDISCRIMINATION

Attention is directed to the following Notice that is required by Chapter 5 of Division 4 of Title 2, California Code of Regulations.

NOTICE OF REQUIREMENT FOR NONDISCRIMINATION PROGRAM (GOV. CODE, SECTION 12990)

Your attention is called to the "Nondiscrimination Clause", set forth in Section 7-1.01A(4), "Labor Nondiscrimination," of the Standard Specifications, which is applicable to all nonexempt state contracts and subcontracts, and to the "Standard California Nondiscrimination Construction Contract Specifications" set forth therein. The Specifications are applicable to all nonexempt state construction contracts and subcontracts of \$5,000 or more.

5-1.02 PREVAILING WAGE

Attention is directed to Section 7-1.02K(2), "Wages," of the Standard Specifications.

The contractor typically must pay the higher of either the State general prevailing wage rates or Federal minimum wage rates

The general prevailing wage rates determined by the Director of Industrial Relations, for the county or counties in which the work is to be done, is available at the <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. These wage rates are not included in the Bid Book for the project, however the Federal Wage rates are included in the Bid Book.

5-1.03 RECORDS

The Contractor shall maintain cost accounting records for the contract pertaining to, and in such a manner as to provide a clear distinction between, the following six categories of costs of work during the life of the contract:

- A. Direct costs of contract item work.

- B. Direct costs of changes in character in conformance with Section 4-1.03B, "Work Character Changes," of the Standard Specifications.
- C. Direct costs of extra work in conformance with Section 4-1.05, "Changes and Extra Work," of the Standard Specifications.
- D. Direct costs of work not required by the contract and performed for others.
- E. Direct costs of work performed under a notice of potential claim in conformance with the provisions in Section 5-1.43 "Potential Claims and Dispute Resolution," of the Standard Specifications.
- F. Indirect costs of overhead.

Cost accounting records shall include the information specified for daily extra work reports in Section 5-1.27, "Records," of the Standard Specifications. The requirements for furnishing the Engineer completed daily extra work reports shall only apply to work paid for on a force account basis.

The cost accounting records for the contract shall be maintained separately from other contracts, during the life of the contract, and for a period of not less than 3 years after the date of acceptance of the contract. If the Contractor intends to file claims against the Department, the Contractor shall keep the cost accounting records specified above until complete resolution of all claims has been reached.

5-1.04 PUBLIC SAFETY

The Contractor shall provide for the safety of traffic and the public in conformance with the provisions in Section 7-1.04, "Public Safety," of the Standard Specifications and these special provisions.

The Contractor shall install temporary railing (Type K) between a lane open to public traffic and an excavation, obstacle or storage area when the following conditions exist:

- A. Excavations – The near edge of the excavation is 3.6 m or less from the edge of the lane, except:
 - 1. Excavations covered with sheet steel or concrete covers of adequate thickness to prevent accidental entry by traffic or the public.
 - 2. Excavations less than 0.3-m deep.
 - 3. Trenches less than 0.3-m wide for irrigation pipe or electrical conduit, or excavations less than 0.3-m in diameter.
 - 4. Excavations parallel to the lane for the purpose of pavement widening or reconstruction.
 - 5. Excavations in side slopes, where the slope is steeper than 1:4 (vertical:horizontal).
 - 6. Excavations protected by existing barrier or railing.
- B. Temporarily Unprotected Permanent Obstacles – The work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with protective railing, and the Contractor elects to install the obstacle prior to installing the protective system; or the Contractor, for the Contractor's convenience and with permission of the Engineer, removes a portion of an existing protective railing at an obstacle and does not replace such railing complete in place during the same day.
- C. Storage Areas – Material or equipment is stored within 3.6 m of the lane and the storage is not otherwise prohibited by the provisions of the Standard Specifications and these special provisions.

The approach end of temporary railing (Type K), installed in conformance with the provisions in this section "Public Safety" and in Section 7-1.04, "Public Safety," of the Standard Specifications, shall be offset a minimum of 4.6 m from the edge of the traffic lane open to public traffic. The temporary railing shall be installed on a skew toward the edge of the traffic lane of not more than 0.3-m transversely to 3 m longitudinally with respect to the edge of the traffic lane. If the 4.6-m minimum offset cannot be achieved, the temporary railing shall be installed on the 10 to 1 skew to obtain the maximum available offset between the approach end of the railing and the edge of the traffic lane, and an array of temporary crash cushion modules shall be installed at the approach end of the temporary railing.

Temporary railing (Type K) shall conform to the provisions in Section 12-3.08, "Temporary Railing (Type K)," of the Standard Specifications. Temporary railing (Type K), conforming to the details shown on 1999 Standard Plan T3, may be used. Temporary railing (Type K) fabricated prior to January 1, 1993, and conforming to 1988 Standard Plan B11-30 may be used, provided the fabrication date is printed on the required Certificate of Compliance.

Temporary crash cushion modules shall conform to the provisions in "Temporary Crash Cushion Module" of these special provisions.

Except for installing, maintaining and removing traffic control devices, whenever work is performed or equipment is operated in the following work areas, the Contractor shall close the adjacent traffic lane unless otherwise provided in the Standard Specifications and these special provisions:

Approach Speed of Public Traffic (Posted Limit) (Kilometers Per Hour)	Work Areas
Over 72 (45 Miles Per Hour)	Within 1.8 m of a traffic lane but not on a traffic lane
56 to 72 (35 to 45 Miles Per Hour)	Within 0.9-m of a traffic lane but not on a traffic lane

The lane closure provisions of this section shall not apply if the work area is protected by permanent or temporary railing or barrier.

When traffic cones or delineators are used to delineate a temporary edge of a traffic lane, the line of cones or delineators shall be considered to be the edge of the traffic lane, however, the Contractor shall not reduce the width of an existing lane to less than 3 m without written approval from the Engineer.

When work is not in progress on a trench or other excavation that required closure of an adjacent lane, the traffic cones or portable delineators used for the lane closure shall be placed off of and adjacent to the edge of the traveled way. The spacing of the cones or delineators shall be not more than the spacing used for the lane closure.

Suspended loads or equipment shall not be moved nor positioned over public traffic or pedestrians.

Full compensation for conforming to the provisions in this section "Public Safety," including furnishing and installing temporary railing (Type K) and temporary crash cushion modules, shall be considered as included in the contract prices paid for the various items of work involved and no additional compensation will be allowed therefore.

5-1.05 YEAR 2000 COMPLIANCE

This contract is subject to Year 2000 Compliance for automated devices in the State of California. Year 2000 compliance for automated devices in the State of California is achieved when embedded functions have or create no logical or mathematical inconsistencies when dealing with dates prior to and beyond 1999. The year 2000 is recognized and processed as a leap year. The product shall operate accurately in the manner in which the product was intended for date operation without requiring manual intervention.

5-1.07 QUALITY ASSURANCE

The Agency uses a Quality Assurance Program (QAP) to ensure a material is produced to comply with the Contract. You may examine the records and reports of tests the Agency performs if they are available at the job site. Schedule work to allow time for QAP, a copy is available upon request.

5-1.08 REMOVAL OF ASBESTOS AND HAZARDOUS SUBSTANCES

When the presence of asbestos or hazardous substances are not shown on the plans or indicated in the specifications and the Contractor encounters materials which the Contractor reasonably believes to be asbestos or a hazardous substance as defined in Section 25914.1 of the Health and Safety Code, and the asbestos or hazardous substance has not been rendered harmless, the Contractor may continue work in unaffected areas reasonably believed to be safe. The Contractor shall immediately cease work in the affected area and report the condition to the Engineer in writing.

In conformance with Section 25914.1 of the Health and Safety Code, removal of asbestos or hazardous substances including exploratory work to identify and determine the extent of the asbestos or hazardous substance will be performed by separate contract.

If delay of work in the area delays the current controlling operation, the delay will be considered a right of way delay and the Contractor will be compensated for the delay in conformance with the provisions in Section 8-1.07, "Delays," of the Standard Specifications.

5-1.12 SUBCONTRACTING

Attention is directed to the provisions in Section 5-1.13, "Subcontracting," and Section 2, "Bidding," and Section 3, "Award and Execution of Contract," of the Standard Specifications and these special provisions.

Pursuant to the provisions in Section 1777.1 of the Labor Code, the Labor Commissioner publishes and distributes a list of contractors ineligible to perform work as a subcontractor on a public works project. This list of debarred contractors is available from the Department of Industrial Relations web site at http://www.dir.ca.gov/dir/Labor_law/DLSE/Debar.html.

No subcontract releases the Contractor from the contract or relieves the Contractor of their responsibility for a subcontractor's work.

If the Contractor violates Pub Cont Code § 4100 et seq., the City/County may exercise the remedies provided under Pub Cont Code § 4110. The City/County may refer the violation to the Contractors State License Board as provided under Pub Cont Code § 4111.

The Contractor shall perform work equaling at least 30 percent of the value of the original total bid with the Contractor's own employees and equipment, owned or rented, with or without operators. except that any designated "Specialty Items" may be performed by subcontract and the amount of any designated "Specialty Items" performed by subcontract may be deducted from the original total contract price before computing the amount of work required to be performed by the Contractor with the contractor's own organization.

Each subcontract must comply with the contract.

Each subcontractor must have an active and valid State contractor's license with a classification appropriate for the work to be performed (Bus & Prof Code, § 7000 et seq.).

Submit copies of subcontracts upon request by the Engineer.

Before subcontracted work starts, submit a Subcontracting Request form.

Do not use a debarred contractor; a current list of debarred contractors is available at the Department of Industrial Relations' Web site.

Upon request by the Engineer, immediately remove and not again use a subcontractor who fails to prosecute the work satisfactorily.

Each subcontract and any lower tier subcontract that may in turn be made shall include the "Required Contract Provisions Federal-Aid Construction Contracts" in these special provisions. Noncompliance shall be corrected. Payment for subcontracted work involved will be withheld from progress payments due, or to become due, until correction is made. Failure to comply may result in termination of the contract.

5-1.13 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS

A prime contractor or subcontractor shall pay any subcontractor not later than 10 days of receipt of each progress payment in accordance with the provision in Section 7108.5 of the California Business and Professions Code concerning prompt payment to subcontractors. The 10 days is applicable unless a longer period is agreed to in writing. Any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of Section 7108.5 shall subject the violating contractor or subcontractor to the penalties, sanction and other remedies of that section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor. This provision applies to both DBE and non-DBE subcontractors.

5-1.14 PROMPT PAYMENT OF WITHHELD FUNDS TO SUBCONTRACTORS

No retainage will be held by the agency from progress payments due the prime contractor. Any retainage held by the prime contractors or subcontractors from progress payments due subcontractors shall be promptly paid in full to subcontractors within 30 days after the subcontractor's work is satisfactorily completed. Federal law (49CFR26.29) requires that any delay or postponement of payment over the 30 days may take place only for good cause and with the agency's prior written approval. Any violation of this provision shall subject the violating prime contractor or subcontractor to the penalties,

sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime Contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance, or noncompliance by a subcontractor.

5-1.15 PARTNERING

The City will promote the formation of a "Partnering" relationship with the Contractor in order to effectively complete the contract to the benefit of both parties. The purpose of this relationship will be to maintain cooperative communication and mutually resolve conflicts at the lowest possible management level.

The Contractor may request the formation of such a "Partnering" relationship by submitting a request in writing to the Engineer after approval of the contract. If the Contractor's request for "Partnering" is approved by the Engineer, scheduling of a "Partnering" workshop, selecting the "Partnering" facilitator and workshop site, and other administrative details shall be as agreed to by both parties.

The costs involved in providing a facilitator and a workshop site will be borne equally by the City and the Contractor. The Contractor shall pay all compensation for the wages and expenses of the facilitator, and of the expenses for obtaining the workshop site. The State's share of such costs will be reimbursed to the Contractor in a change order written by the Engineer. Markups will not be added. All other costs associated with the "Partnering" relationship will be borne separately by the party incurring the costs.

The establishment of a "Partnering" relationship will not change or modify the terms and conditions of the contract and will not relieve either party of the legal requirements of the contract.

5-1.16 PAYMENTS

Attention is directed to Section 9-1.16, "Progress Payments," and 9-1.16, "Payment After Contract Acceptance," of the Standard Specifications and these special provisions.

No partial payment will be made for any materials on hand which are furnished but not incorporated in the work.

5-1.17 ENCROACHMENT PERMIT

No encroachment permit from Caltrans is required for this project. The contractor shall obtain a no cost City Encroachment permit.

Prior to start of work within the State of California's right-of-way or work affecting the State of California facilities, the contractor will be required to obtain an Encroachment Permit at the following State of California Transportation office:

District 6
1352 West Olive Avenue
Fresno, CA 93728
Voice: (559) 488-4058
Fax: (559) 445-6510

Full compensation for conforming to the requirements in this permit, including the cost of the permit, shall be considered as included in the contract prices paid for the various item or work and no additional compensation will be allowed therefore.

5-1.18 CONTRACT BONDS

Attention is directed to Section 3-1.05, "Contract Bonds," of the Standard Specifications and these special provisions.

The payment bond shall be in a sum not less than one hundred percent of the total amount payable by the terms of the contract.

5-1.19 AREAS FOR CONTRACTOR'S USE

Attention is directed to the provisions in Section 5-1.32, "Areas for Use," of the Standard Specifications and these special provisions.

The street right of way shall be used only for purposes that are necessary to perform the required work. The Contractor shall not occupy the right of way, or allow others to occupy the right of way, for purposes which are not necessary to perform the required work.

No State-owned or City-owned parcels adjacent to the right of way are available for the exclusive use of the Contractor within the contract limits. The Contractor shall secure, at the Contractor's own expense, areas required for plant sites, storage of equipment or materials, or for other purposes.

No area is available within the contract limits for the exclusive use of the Contractor. However, temporary storage of equipment and materials on City property may be arranged with the City Public Works Department, subject to the prior demands of City maintenance forces and to other contract requirements. Use of the Contractor's work areas and other City-owned property shall be at the Contractor's own risk, and the City shall not be held liable for damage to or loss of materials or equipment located within such areas.

5-1.20 SOUND CONTROL REQUIREMENTS

Sound control shall conform to the provisions in Section 14-8.02, "Noise Control," of the Standard Specifications and these special provisions.

The noise level from the Contractor's operations, between the hours of 9:00 p.m. and 6:00 a.m., shall not exceed 86 dBA at a distance of 50 ft. This requirement shall not relieve the Contractor from responsibility for complying with local ordinances regulating noise level.

The noise level requirement shall apply to the equipment on the job or related to the job, including but not limited to trucks, transit mixers or transient equipment that may or may not be owned by the Contractor. The use of loud sound signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

5-1.21 GUARANTEE

GENERAL

The Contractor shall guarantee the work is in accordance with contract requirements and remains free from substantial defects in materials and workmanship for a period of one year after contract acceptance. For certain portions of the work where the Director relieves the Contractor of responsibility in accordance with Section 5-1.38, "Maintenance and Protection Relief," of the Standard Specifications, the guarantee period starts on the relief date and ends one year therefrom.

Substantial defects in materials and workmanship means defective work objectively manifested by damaged, displaced, or missing parts or components; and workmanship resulting in improper function of materials, components, equipment, or systems, as installed or manufactured by the Contractor, subcontractor, supplier, or manufacturer.

During the guarantee period, the Contractor shall repair or replace contract work and associated work which is not in accordance with contract requirements or has substantial defects in materials and workmanship. The Contractor shall perform the corrective work with no expense to the City of Lemoore other than City-provided field inspection services.

The guarantee of work excludes damage or displacement that is outside the control of the Contractor and caused by normal wear and tear, improper operation, insufficient maintenance, abuse, unauthorized modification, or natural disaster as described in Section 5-1.47, "Guarantee," of the Standard Specifications.

The Contractor shall have the same insurance coverage during corrective work operations as prior to contract acceptance, in accordance with Section 7-1.05/6, "Indemnification and Insurance," of the Standard Specifications.

The contract bonds furnished in accordance with Section 3-1.05, "Contract Bonds," of the Standard Specifications must remain in full force and effect during the guarantee period and until all corrective work is complete.

In the case of conflict between this guarantee provision and any warranty provision included in the contract, the warranty provision shall govern for the specific construction product or feature covered.

CORRECTIVE WORK

During the guarantee period, the City of Lemoore will monitor performance of the facilities completed by the Contractor and will perform a thorough review of the contract work at least 60 days before the expiration of the one-year guarantee.

If the Engineer discovers contract work not in compliance with contract requirements or that has substantial defects in materials and workmanship, at any time during the guarantee period, a list of items that require corrective work will be developed and forwarded to the Contractor. Within 15 days of receipt of a list, the Contractor shall submit to the Engineer a detailed plan for performing corrective work. The work plan shall include a start to finish schedule. It shall include a list of labor, equipment, materials, and any special services intended to be used. It shall clearly show related work including traffic control, temporary delineation, and permanent delineation.

Contractor shall start the corrective and related work within 15 days of receiving notice from the Engineer that the Contractor's work plan is approved. The corrective work shall be diligently prosecuted and completed within the time allotted in the approved work plan.

If the Engineer determines that corrective work, covered by the guarantee, is urgently needed to prevent injury or property damage, the Engineer will give the Contractor a request to start emergency repair work and a list of items that require repair work. The Contractor shall mobilize within 24 hours and diligently perform emergency repair work on the damaged highway facilities. The Contractor shall submit a work plan within 5 days of starting emergency repair work.

If the Contractor fails to commence and execute, with due diligence, corrective work and related work required under the guarantee in the time allotted, the Engineer may proceed to have the work performed by City forces or other forces at the Contractor's expense. Upon demand, the Contractor shall pay all costs incurred by the City of Lemoore for work performed by City forces or other forces including labor, equipment, material, and special services.

PAYMENT

Full compensation for performing corrective work; and related work such as traffic control, temporary delineation, and permanent delineation, and to maintain insurance coverage and bonds, shall be considered as included in the contract prices paid for the various contract items of work and no separate payment will be made therefore.

5-1.22 PROJECT INFORMATION

The information in this section has been compiled specifically for this project and is made available for bidders and Contractors. Other information referenced in the Standard Specifications and these special provisions do not appear in this section. The information is subject to the conditions and limitations set forth in Section 2-1.07, "Job Site and Document Examination," and Section 6 "Control of Materials," of the Standard Specifications. Bidders and Contractors shall be responsible for knowing the procedures for obtaining information.

Information included in the Information Handout provided to bidders and Contractors is as follows: NONE

5-1.23 BIOLOGY

SSP 14-6.03A: The Contractor and all construction personnel must adhere to the U.S. Fish and Wildlife Service Standardized Recommendations for the Protection of the Endangered San Joaquin Kit Fox Prior to or During Ground Disturbance (January 2011).

http://www.fws.gov/sacramento/es/Survey-Protocols-Guidelines/Documents/kitfox_standard_rec_2011.pdf

5-1.24 HAZARDOUS WASTE

Contractor shall comply with the following:

SSP 7-1.02K(6)U(iii)- Earth Material Containing Lead

Requires a lead compliance plan for soil disturbance when lead concentrations are non-hazardous

One or more of the following may be required in regards to removal of yellow traffic stripe and pavement marking depending on how the work will be done:

- SSP 14-11.12- Remove Yellow Traffic Stripe and Pavement Marking with Hazardous Waste Residue
Requires proper management of hazardous waste residue and a lead compliance plan.
- SSP 84-9.03C- Remove Traffic Stripes and Pavement Markings Containing Lead

Requires a lead compliance plan for removal when residue is definitely non-hazardous. Used for new yellow paints and all other colors of paint.

SECTION 6 – 7. (BLANK)

SECTION 8. MATERIALS

8-1.01 AGENCY-FURNISHED MATERIALS

Attention is directed to Section 6-1.02, "Department-Furnished Materials," of the Standard Specifications and these special provisions. The Contractor shall notify the Engineer not less than 48 hours before Agency-furnished material is to be picked up by the Contractor. A full description of the material and the time the material will be picked up shall be provided.

The following materials MAY be furnished to the Contractor, at the discretion of the City of Lemoore: NONE

SECTION 9. (BLANK)

SECTION 10. (CONSTRUCTION DETAILS)

10-1.01 GENERAL

The Contractor's attention is directed to Section 5-1.36, Property and Facility Preservation, of the Standard Specifications and these Special Provisions.

The Contractor will be required to work around public utility facilities and other improvements that are to remain in place within the construction area or that are to be relocated and relocation operations have not been completed, and in accordance with the provisions of Section 5-1.36D of the Standard Specifications, he will be liable to owners of such facilities and improvements for any damage or interference with service resulting from his operations. The Contractor shall ascertain the exact locations of underground facilities and improvements within the construction area before using equipment that may damage such facilities or interfere with the services. Other forces may be engaged in moving or removing utility facilities or other improvements or maintaining services of utilities and the Contractor shall cooperate with such forces and conduct his operations in such a manner as to avoid any unnecessary delay or hindrance to the work being performed by such other forces.

The Contractor is required to notify all property owners, businesses, residences, etc. in letter form in both English and Spanish of the construction dates and times, at least 5 days prior to the beginning of work. A copy of this notification letter must also be sent to the City Engineer: *Palmetto Engineering, 4300 Ashe Road, Suite 103, Bakersfield, CA 93313.*

Contractor shall also post "Temporary No Parking" signs, a minimum of 48 hours prior to the commencing of demolition or construction activities on the street adjacent to their property. The notification shall be by posting visible signs at the edge of the curbs and gutters. The signs which will be posted must be on their own lath or attached to delineator cones, or pylons, and not stapled or nailed to any tree, utility pole or street signs. Trees must be protected from being scarred or broken during construction and must be repaired or replaced at Contractor's expense if damage is done.

In the event that vehicles are on the street at the time construction is to begin, the contractor shall take appropriate action to notify the owner/s of said vehicle to have it moved. If this is not possible, or the vehicle is inoperable and the owner is not capable of moving the vehicle, the contractor shall inform the Project Engineer, who will notify the City of Lemoore Police Department to have the vehicle towed at the owner's expense. Note: The above action may take place only if the "Temporary No Parking" signs have been in place, and placement has been verified by the Project Engineer, for the required 48 hour time period. Removal of said signs by the property owners or vandals will not constitute Non-compliance with this section.

The Contractor will be held responsible for any damage he may do to existing installations that are to remain in place.

The Contractor shall ensure that all striping and road markings are repainted with paint as specified on the plans.

All property to remain shall be properly protected from injury or damage. Should any such property be damaged, it shall be repaired and/or replaced with material, fixtures, or equipment of the same kind, quality and size or better.

Full compensation for performing all of the work required under these Special Provisions shall be considered as included in the prices paid for the various Contract items of work involved and no separate payment will be made therefore.

10-1.02 CONTROL OF WORK

Order of work shall conform to the provisions in Section 5, "Control of Work," of the Standard Specifications and these special provisions.

10-1.03 CONSTRUCTION AREA TRAFFIC CONTROL DEVICES

Flagging, signs, and temporary traffic control devices furnished, installed, maintained, and removed when no longer required shall conform to the provisions in Section 12, "Temporary Traffic Control Devices," of the Standard Specifications and these special provisions.

Category 1 temporary traffic control devices are defined as small and lightweight (less than 45 kg) devices. These devices shall be certified as crashworthy by crash testing, crash testing of similar devices, or years of demonstrable safe performance. Category 1 temporary traffic control devices include traffic cones, plastic drums, portable delineators, and channelizers.

If requested by the Engineer, the Contractor shall provide written self-certification for crashworthiness of Category 1 temporary traffic control devices at least 5 days before beginning any work using the devices or within 2 days after the request if the devices are already in use. Self-certification shall be provided by the manufacturer or Contractor and shall include the following:

- A. Date,
- B. Federal Aid number (if applicable),
- C. Contract number, district, county, route and kilometer post of project limits,
- D. Company name of certifying vendor, street address, city, state and zip code,
- E. Printed name, signature and title of certifying person; and
- F. Category 1 temporary traffic control devices that will be used on the project.

The Contractor may obtain a standard form for self-certification from the Engineer.

Category 2 temporary traffic control devices are defined as small and lightweight (less than 45 kg) devices that are not expected to produce significant vehicular velocity change, but may cause potential harm to impacting vehicles. Category 2 temporary traffic control devices include barricades and portable sign supports.

Category 2 temporary traffic control devices shall be on the Federal Highway Administration's (FHWA) list of Acceptable Crashworthy Category 2 Hardware for Work Zones. This list is maintained by FHWA and can be located at:

http://safety.fhwa.dot.gov/roadway_dept/road_hardware/listing.cfm?code=workzone

The Department also maintains this list at:

<http://www.dot.ca.gov/hq/traffops/signtech/signdel/pdf/Category2.pdf>

Category 2 temporary traffic control devices that have not received FHWA acceptance shall not be used. Category 2 temporary traffic control devices in use that have received FHWA acceptance shall be labeled with the FHWA acceptance letter number and the name of the manufacturer. The label shall be readable and permanently affixed by the manufacturer. Category 2 temporary traffic control devices without a label shall not be used.

If requested by the Engineer, the Contractor shall provide a written list of Category 2 temporary traffic control devices to be used on the project at least 5 days before beginning any work using the devices or within 2 days after the request if the devices are already in use.

Category 3 temporary traffic control devices consist of temporary traffic-handling equipment and devices that weigh 45 kg or more and are expected to produce significant vehicular velocity change to impacting vehicles. Temporary traffic-handling equipment and devices include crash cushions, truck-mounted attenuators, temporary railing, temporary barrier, and end treatments for temporary railing and barrier.

Type III barricades may be used as sign supports if the barricades have been successfully crash tested, meeting the NCHRP Report 350 criteria, as one unit with a construction area sign attached.

Category 3 temporary traffic control devices shall be shown on the plans or on the Department's Highway Safety Features list. This list is maintained by the Division of Engineering Services and can be found at:

http://www.dot.ca.gov/hq/esc/approved_products_list/HighwaySafe.htm

Category 3 temporary traffic control devices that are not shown on the plans or not listed on the Department's Highway Safety Features list shall not be used.

Full compensation for providing self-certification for crashworthiness of Category 1 temporary traffic control devices and for providing a list of Category 2 temporary traffic control devices used on the project shall be considered as included in the prices paid for the various items of work requiring the use of the Category 1 or Category 2 temporary traffic control devices and no additional compensation will be allowed therefore.

10-1.04 CONSTRUCTION AREA SIGNS

Construction area signs for temporary traffic control shall be furnished, installed, maintained, and removed when no longer required in conformance with the provisions in Section 12, "Temporary Traffic Control Devices," of the Standard Specifications and these special provisions.

One C18 sign and One C13 sign shall be posted on each approach/departure from the construction work area. Locations of the signs shall be approved by the Engineer.

Signs may be ported on temporary post supported by cross braces, rather than by digging holes for posts. Where such cross braces are used, no braces shall extend into the traveled way or a sidewalk.

Unless otherwise shown on the plans or specified in these special provisions, the color of construction area warning and guide signs shall have black legend and border on orange background, except W10-1 or W47(CA) (Highway-Rail Grade Crossing Advance Warning) sign shall have black legend and border on yellow background.

Orange background on construction area signs shall be fluorescent orange.

The Contractor shall notify the appropriate regional notification center for operations of subsurface installations at least 2 working days, but not more than 14 calendar days, prior to commencing any excavation for construction area sign posts. The regional notification centers include but are not limited to the following:

Underground Service Alert-
Northern California (USA)

Telephone: 1 (800) 227-2600

Underground Service Alert-
Southern California (USA)

Telephone: 1 (800) 422-4133

All excavation required to install construction area signs shall be performed by the hand methods without the use of power equipment; except that power equipment may be used if it is determined there are no utility facilities in the area of the proposed post holes.

The Contractor shall maintain accurate information on construction area signs. Signs that are no longer required shall be immediately covered or removed. Signs that convey inaccurate information shall be immediately replaced or the information shall be corrected. Covers shall be replaced when they no longer cover the signs properly. The Contractor shall immediately restore to the original position and location any sign that is displaced or overturned, from any cause, during the progress of work.

Construction area signs shown on the plans, except those signs required for traffic control system for lane closure and unless otherwise specified in the special provisions, will be paid for on a lump sum basis, which lump sum price shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in furnishing construction area signs required for the direction of public traffic through or around the work and for erecting or placing, maintaining (including covering and uncovering as needed) and, when no longer required, removing construction area signs at locations shown on the plans.

Full compensation for furnishing, erecting, maintaining and removing any additional construction area signs the Contractor may deem necessary will be considered as included in prices paid for the various Contract items of work and no additional compensation will be allowed therefore.

10-1.05 MAINTAINING TRAFFIC

Attention is directed to Sections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and 12, "Temporary Traffic Control Devices," of the Standard Specifications and to the Section entitled "Public Safety" elsewhere in these special provisions, and these special provisions. Nothing in these special provisions shall be construed as relieving the Contractor from his responsibility as provided in said Section 7-1.04.

The Contractor will not be allowed to close streets. One lane of through traffic shall be maintained at all times with appropriate Signage, Personnel and safety equipment to safely direct traffic through the construction area, unless the contractor submits to the Public Works Director a proposed detour plan.

Detour plan shall meet the criteria for detour plans as shown in the latest edition of the California Department of Transportation Manual of Traffic Controls for Construction and Maintenance Zones. The City Engineer, and the Director of Public Works; shall approve Detour Plan, copies shall be sent to the City of Lemoore Police Department and Local Fire Agencies and Emergency Organizations, i.e. Hospitals and Ambulance services, and the California Highway Patrol. Said Detour Plan shall clearly state the dates and times of closure. Closures shall only be allowed during working hours, and the roadway shall be made passable for passenger type vehicles at the close of the work each day.

The Contractor shall be responsible for all barricades, delineators, cones, reflective media, signs and other traffic control measures necessary for the safe control of traffic and protection of the work.

The Contractor shall notify in writing all residents, commercial establishments and others affected by the construction, 5 days prior to the beginning of construction.

The Contractor shall also place "TEMPORARY NO PARKING" signs, in the areas of construction a minimum of 48 hours prior to beginning work for, AC Paving, and Curb and Gutter Replacement, as necessary for striping and placement of signs.

The Contractor is responsible for the repair of any damage done by emergency or other vehicles, inadvertent or not.

The Contractor shall review with the City Engineer, Project Engineer, Director of Public Works and the Chief of Police, his proposed method of barricading and signing in the field and shall comply with any request they may make. Said review shall be at least 48 hours in advance of construction. Contractor shall also notify in writing the City Engineer, the City Police, Fire and County Fire Departments, and Sheriffs Department of his proposed construction schedule.

The contractor shall provide a traffic control plan to the City for review and approval prior to commencement of work on roadways.

Personal vehicles of the Contractor's employees shall not be parked on the traveled way or shoulders including any section closed to public traffic.

The Contractor shall notify local authorities of the Contractor's intent to begin work at least 5 days before work is begun. The Contractor shall cooperate with local authorities relative to handling traffic through the area and shall make arrangements relative to keeping the working area clear of parked vehicles.

Whenever work vehicles or equipment are parked on the shoulder within 6 ft of a traffic lane, the shoulder area shall be closed with fluorescent orange traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the pavement at 24-ft intervals to a point not less than 24 ft past the last vehicle or piece of equipment. A minimum of 9 traffic cones or portable delineators shall be used for the taper. A W20-1 (ROAD WORK AHEAD) or W21-5b (RIGHT/LEFT SHOULDER CLOSED AHEAD) or C24(CA) (SHOULDER WORK AHEAD) sign shall be mounted on a portable sign stand with flags. The sign shall be placed where designated by the Engineer. The sign shall be a minimum of 48in x 48in in size. The Contractor shall immediately restore to the original position and location a traffic cone or delineator that is displaced or overturned, during the progress of work.

A minimum of one traffic lane, not less than 11 ft wide, shall be open for use by public traffic in each direction of travel.

Full compensation for performing all of the work required under these Special Provisions shall be considered as included in the prices paid for the various Contract items of work involved and no separate payment will be made therefore.

10-1.06 EXISTING ROADWAY FACILITIES

The work performed in connection with various existing highway facilities shall conform to the provisions in Section 15, "Existing Facilities," of the Standard Specifications.

10-1.07 PRESERVATION OF PROPERTY

Attention is directed to the provisions in Section 5-1.36, "Property and Facility Preservation," of the Standard Specifications and these special provisions.

Protection: The Contractor shall protect all private and public property and shall replace, repair, or pay for any damage thereto.

Notice to Property Owners and Tenants: The Contractor shall give a written notice to all property owners adjacent to and affected by his work at least five (5) working days in advance of beginning the work, indicating the work to be performed and the approximate length of time that the property owner or tenant will be affected by his operations.

Access: Access shall be provided to all businesses and residences whenever practicable. The Contractor shall conduct his operations so as to cause the least inconvenience to both vehicular and pedestrian access.

Existing trees, shrubs and other plants, that are not to be removed as shown on the plans or specified elsewhere in these special provisions, and are injured or damaged by reason of the Contractor's operations, shall be replaced by the Contractor. Damaged or injured plants shall be removed and disposed of.

Replacement planting of injured or damaged trees, shrubs and other plants shall be completed not less than 20 working days prior to acceptance of the contract. Replacement plants shall be watered as necessary to maintain the plants in a healthy condition.

10-1.08 UTILITIES

It shall be the obligation of the Contractor to notify the various utility companies at least three (3) days in advance of closing and/or tearing up of the street affecting said utility companies.

It shall be the obligation of the Contractor to immediately notify the affected utility company if relocation of any utilities will be required.

10-1.09 PEDESTRIAN ACCESS

Pedestrian access shall be maintained on all existing crosswalks and all existing wheelchair ramps during construction. If the Contractor's operations require the closure of one walkway, then another walkway shall be provided nearby, off the traveled roadway.

Access: Access shall be provided to all businesses and residences whenever practicable. The Contractor shall conduct his operations so as to cause the least inconvenience to both vehicular and pedestrian access.

Full compensation for providing said pedestrian facilities shall be considered as included in the prices paid for the various Contract items of work involved and no separate payment will be made therefore

10-1.10 REMOVE ROADSIDE SIGNS

All details and dimensions for roadside signs and the installation thereof shall conform to the current State of California, Department of Transportation, Sign Specifications, Traffic Manual, Standard Specifications, Standard Plans, and these special provisions.

Existing roadside signs and posts, at locations shown on the plans, shall be removed, relocated, or salvaged as shown on the plans or as directed by the Engineer.

Each roadside sign shall be installed at the new location on the same day that the sign is removed from its original location, and shall be placed in a manner to allow sufficient width for ADA access.

New roadside signs and posts, or other alternate mountings as shown on the plans, shall be installed at the locations shown on the plans or as directed by the Engineer. New and relocated signs shall be installed on appropriately sized perforated square posts with an anchor sleeve as directed by the Engineer.

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.

Full compensation for relocating or removing existing roadside signs or for furnishing and installing new roadside signs shall be considered as included in the contract price paid and no additional payment will be made therefore.

10-1.22 PAINT TRAFFIC STRIPE AND PAVEMENT MARKING

Painted traffic stripes (traffic lines) and pavement markings shall be applied in conformance with the provisions in Section 84, "Markings," of the Standard Specifications and these special provisions.

Traffic stripe and pavement marking paint shall conform to the requirements in State Specification No. PTWB-01.

The color of the painted traffic stripes and pavement markings shall conform to the requirements in ASTM Designation: D 6628-01.

Retroreflectivity of the paint traffic stripes and pavement markings shall conform to the requirements in ASTM Designation: D 6359-99. White painted traffic stripes and pavement markings shall have a minimum initial retroreflectivity of $250 \text{ mcd m}^{-2} \text{ lx}^{-1}$. Yellow painted traffic stripes and pavement markings shall have a minimum initial retroreflectivity of $150 \text{ mcd m}^{-2} \text{ lx}^{-1}$.

Traffic stripes and all markings shall be per CALTRANS standards as noted on the plans.

Contractor to place street centerline striping, lane line striping, limit lines, directional arrows and crosswalks as shown on the plans.

Any existing pavement striping and markings indicated on the plans to remain unmodified, which are destroyed by the Contractor shall be replaced by the Contractor. Payment for such items shall be included in the various items of work and no separate payment will be made therefore.

Nothing in these Special Provisions shall relieve the Contractor from his responsibilities as provided in Section 7-1.04, "Public Safety", of the Standard Specifications.

Payment for any striping, marking & signage shall be considered as included in the contract price paid for each of these bid items and no additional payment will be made therefore.

10-1.23 ADJUST FRAME AND COVER TO GRADE

Frames and covers of existing manholes shall be adjusted to final finished grade in accordance with the provisions in Section 15 "Existing Facilities," of the Standard Specifications, these special provisions, and the City Standards. **Existing frame covers shall be demolished and the encasement lowered as necessary prior to any roadway excavation or cold-planing activities.** Special care shall be taken to ensure that dirt, debris, or other materials are not allowed to enter the affected utility. Any material that does enter the affected utility must be immediately removed at contractor expense.

Existing manhole frames and covers, if salvaged undamaged, may be reused. If damaged, a new frame and cover shall be furnished. Full compensation for furnishing new cast iron frame and cover for sewer and drainage manholes shall be considered as included in the various Contract price paid and no additional allowance will be allowed.

10-1.24 ADJUST SURVEY MONUMENT OR WATER VALVE BOX

Existing frames and covers, if salvaged undamaged, may be reused. If damaged, a new frame and cover shall be furnished. Existing survey monuments to remain undisturbed, if disturbed, contractor to be responsible for the resetting of monuments by qualified individual. Existing frame covers shall be demolished and the encasement lowered as necessary prior to any roadway excavation or cold-planing activities. Special care shall be taken to ensure that dirt, debris, or other materials are not allowed to enter the water valve encasement that might impede the valve's ability to be exercised.

Full compensation for furnishing new cast iron frame and cover for survey monuments, and resetting of survey monuments if needed shall be considered as included in the various Contract price and no additional allowance will be allowed therefore.

10-1.25 DUST CONTROL

Dust control shall conform to the provisions of Section 18 of the Standard Specifications and these special Provisions. Full compensation for dust control shall be considered as included in the prices paid for the various Contract items of work and no separate payment will be made therefore.

10-1.26 CONTRACT ITEMS OF WORK

Contract items of work are described herein, including the method of measurement and payment.

This section specifies the method of measurement and payment for this Contract. Any method of measurement and payment described in the Standard specifications in conflict herewith is declared null and void.

It is intended herein that compensation for the entire work is to be accomplished through the combination of the various Contract pay items of work and compensation outside of these Contract items will not be allowed except for extra work ordered in writing by the City. In preparing this bid, the Contractor is enjoined to be diligent in making sure that all of his costs are covered by the Contract items of work.

Attention is directed to the bidding schedule. The Contractor is to indicate unit price bid and total price bid for the estimated quantities as shown.

10-1.27 ROADWAY FINISHING

Surplus material, tools and temporary structures shall be removed by the Contractor and all excess dirt, rubbish and excess earth from excavations shall be removed and disposed of by the Contractor at the end of each day. Work site to be left in a safe condition at all times. Payment for roadway finishing to include shoulder backing shall be considered as included in the various items of work and no additional allowance will be allowed therefore. Finishing roadway shall conform to the provisions in Section 22, "Finishing Roadway", of the Standard Specifications and these special provisions.

In addition to the conditions, provisions and requirements of Section 22-1.03, "Construction", of the Standard Specifications, the following shall apply:

The Contractor shall remove, from all affected areas, whether inside or outside the project limits, all excess and/or objectionable material originating within the project limits and transported by public traffic or by the Contractor's operations.

The Contractor may use any method, approved by the Engineer that does not create a dust problem to remove the excess and/or objectionable material from the affected areas. However, in residential areas, when a broom is used, a self-contained, pick-up type, power broom with water distribution system shall be used. The Contractor shall water test paved areas for ponding and flow prior to acceptance. Areas requiring mediation will be done at the contractor expense, and approved by the city engineer.

10-1.28 POST-CONSTRUCTION SURVEY

Pursuant to the Land Surveyor's Act of the Business and Professions Code of the State of California, Section 8771, a corner record and/or record of survey locating/referencing all existing monuments in the project area shall be filed with the County Surveyor prior to and after construction activities. The City of Lemoore will prepare the corner record prior to construction activities. **The Contractor is responsible for provision of the corner record or record of survey post-construction to satisfy this regulation.**

10-1.29 BITUMINOUS SEALS

10-1.29-1 GENERAL

10-1.29-1.01 GENERAL

10-1.29-1.01A Summary

Section 10-1.29-1 includes general specifications for applying bituminous seals.

Section 36-3 does not apply.

10-1.29-1.01B Definitions

Reserved

10-1.29-1.01C Submittals

Reserved

10-1.29-1.01D Quality Assurance

Reserved

10-1.29-1.02 MATERIALS

Not Used

10-1.29-1.03 CONSTRUCTION

10-1.29-1.03A General

Asphaltic emulsion for seal coats may be reheated if necessary. After loading the asphaltic emulsion into a tank car or truck for transport to the job site, do not heat it above 160 degrees F. During reheating, agitate the asphaltic emulsion to prevent localized overheating.

Except for fog seal coats, apply Setting Grade 1 asphaltic emulsions at a temperature from 75 to 130 degrees F and apply Setting Grade 2 asphaltic emulsions from 110 to 185 degrees F.

Asphaltic emulsion must not cool to a temperature below 40 degrees F.

10-1.29-1.03B Equipment

Distributor trucks must be equipped with:

1. Pressure-type system with insulated tanks
2. Spray bars:
 - 2.1. With minimum length of 9 feet and full-circulating type
 - 2.2. With full-circulating-type extensions if needed to cover a greater width
 - 2.3. Adjustable to allow positioning at various heights above the surface to be treated
 - 2.4. Operated by levers such that 1 or all valves may be quickly opened or closed in one operation
3. Devices and charts to provide for accurate and rapid determination and control of asphaltic emulsion quantities being applied. Include an auxiliary wheel type bitumeter that registers:
 - 3.1. Speed in ft/min
 - 3.2. Trip by count
 - 3.3. Total distance in feet
4. Distribution system:
 - 4.1. Capable of producing a uniform application of liquid asphalt in controlled amounts ranging from 0.02 to 1 gal/sq yd of surface and a pressure range from 25 to 75 psi
 - 4.2. With a hose and nozzle for application to areas inaccessible to the distributor
 - 4.3. With pressure gauges and a thermometer for determining temperatures of the asphaltic emulsion

The use of gravity distributors is not allowed.

You may use cab-controlled valves for the application of seals. The valves controlling the flow from nozzles must act positively to provide a uniform unbroken application of asphaltic emulsion on the surface.

Maintain distributor and storage tanks at all times to prevent dripping.

10-1.29-1.04 PAYMENT

Not Used

10-1.29-2 SEAL COATS

10-1.29-2.01 GENERAL

10-1.29-2.01A General

10-1.29-2.01A(1) Summary

Section 10-1.29-2.01 includes general specifications for applying seal coats.

Signs for seal coat work must comply with section 12-3.11.

10-1.29-2.01A(2) Definitions

Reserved

10-1.29-2.01A(3) Submittals

Reserved

10-1.29-2.01A(4) Quality Assurance

10-1.29-2.01A(4)(a) General

Reserved

10-1.29-2.01A(4)(b) Quality Control

Reserved

10-1.29-2.01A(4)(c) Department Acceptance

The Department accepts screenings based on the quality characteristic requirements specified in section 10-1.29-2.01B.

If test results for the screenings gradation do not comply with the requirements in the table titled "Seal Coat Screenings," you may remove the seal coat represented by these tests or request that it remain in place with a Payment deduction. If your request is authorized, \$1.75 per ton for noncompliant screenings left in place is deducted.

10-1.29-2.01B Materials

Screenings must be broken stone, crushed gravel, or both. At least 90 percent of screenings by weight must be crushed particles as determined under California Test 205.

Screenings for seal coats must comply with the requirements shown in the following table:

Seal Coat Screenings

Quality characteristic	Test method	Requirement
Los Angeles Rattler (max, %)		
Loss at 100 revolutions	California Test 211	10
Loss at 500 revolutions		40
Film stripping (max, %)	California Test 302	25

10-1.29-2.01C Construction

10-1.29-2.01C(1) General

For seal coats on 2-lane, two-way roadways, place a W8-7 (LOOSE GRAVEL) sign and a W13-1P (35 MPH) plaque at 2,000-foot maximum intervals along each side of the traveled way where screenings are spread on a traffic lane and at public roads or streets entering the seal coat area. Place the 1st W8-7 sign in each direction where traffic first encounters the loose screenings, regardless of which lane the screenings are spread. A W13-1P (35 MPH) plaque is not required where the posted speed limit is less than 40 mph.

Maintain signs in place at each location until the final brooming of the seal coat surface for that location is complete. Signs may be set on temporary portable supports with the W13-1P plaque below the W8-7 sign or on barricades with the W13-1P plaque alternating with the W8-7 sign.

Schedule the seal coat activities such that seal coat is placed on both lanes of the traveled way each work shift and such that 1-way traffic control is discontinued 1 hour before darkness. At the end of the work shift, the end of the seal coat on both lanes must generally match.

If traffic is routed over a surface where a seal coat application is intended, the seal coat must not be applied to more than half the width of the traveled way at a time, and the remaining width must be kept free of obstructions and open to traffic until the previously applied width is ready for traffic use.

Wherever final sweeping or brooming of the seal coat surface is complete, place permanent traffic stripes and pavement markings within 10 days.

If you fail to place the permanent traffic stripes and pavement markings within the specified time, the Department withholds 50 percent of the estimated value of the seal coat work completed that has not received permanent traffic stripes and pavement markings.

10-1.29-2.01C(2) Equipment

Equipment for seal coats must include and comply with the following:

1. Screenings haul trucks. Haul trucks must have:
 - 1.1. Tailgates that discharge screenings
 - 1.2. Devices to lock onto the rear screenings spreader hitch
 - 1.3. Dump beds that will not push down on the spreader when fully raised
 - 1.4. Dump beds that will not spill screenings on the roadway when transferred to the spreader hopper
 - 1.5. Tarpaulins to cover precoated screenings if haul distance exceeds 30 minutes or ambient temperature is less than 65 degrees F
2. Self-propelled screenings spreader. The spreader must have:
 - 2.1. Screenings hopper in the rear
 - 2.2. Belt conveyors that carry the screenings to the front
 - 2.3. 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 lb of load on each wheel, and each tire must have an air pressure of 100 ± 5 psi.

10-1.29-2.01C(3) Surface Preparation

Before applying seal coat, cover manholes, valve and monument covers, grates, or other exposed facilities located within the area of application with plastic or oil-resistant construction paper secured by tape or adhesive to the facility being covered. Reference the covered facilities with enough control points to locate the facilities after the application of the seal coat.

After completion of seal coat activities, remove covers from the facilities.

Immediately before applying seal coat, clean the surface to receive seal coat by removing extraneous material and drying.

Use brooms to clean the existing pavement. Immediately before applying slurry seals or micro-surfacings, clean the surface to receive slurry seals or micro-surfacings by removing any extraneous material affecting adhesion of the slurry seal or microsurfacing with the existing surface (including thermoplastic). Use self-propelled power brooms or other methods such as flushing to clean the existing pavement.

10-1.29-2.01C(5) Spreading Screenings

Prevent vehicles from driving on asphaltic emulsion or asphalt binder before spreading screenings.

Spread screenings at a uniform rate over the full lane width in 1 application.

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.

10-1.29-2.01C(6) Finishing

Remove piles, ridges, or unevenly distributed screenings. Repair permanent ridges, bumps, or depressions in the finished surface. Spread additional screenings and roll if screenings are picked up by rollers or vehicles.

Seal coat joints between adjacent applications of seal coat must be smooth, straight, uniform, and completely covered.

Longitudinal joints must be at lane lines and not overlap by more than 4 inches. Blend the adjacent applications by brooming.

A coverage must consist of the number of passes a roller needs to cover the width. A pass must be 1 roller movement parallel to the seal coat application in either direction. Overlapping passes are part of the coverage being made and are not part of a subsequent coverage. Do not start a coverage until completing the previous coverage.

Before opening to traffic, finish seal coat in the following sequence:

1. Perform initial rolling consisting of 1 coverage with a pneumatic-tired roller
2. Perform final rolling consisting of 3 coverages with a pneumatic-tired roller
3. Broom excess screenings from the roadway and adjacent abutting areas
4. Apply flush coat if specified

The Engineer may order salvaging and stockpiling excess screenings. Salvaging and stockpiling excess screenings is change order work.

Dispose of excess screenings the Engineer determines are not salvageable or dispose of them on embankment slopes or in authorized areas.

10-1.29-2.01C(7) Seal Coat Brooming

Broom seal coat surfaces for at least 4 consecutive days starting from the day screenings are applied. Brooming must:

1. Keep the surface free from loose screenings
2. Distribute screenings over the surface so as to absorb any free asphaltic material
3. Cover any areas deficient in cover coat material
3. Prevent formation of corrugations

10-1.29-2.01D Payment

Not Used

10-1.29-2.04C Polymer Asphaltic Emulsion Seal Coat

10-1.29-2.04C(1) General

10-1.29-2.04C(1)(a) Summary

Section 10-1.29-2.04C includes specifications for applying a polymer asphaltic emulsion seal coat.

10-1.29-2.04C(1)(b) Definitions

Reserved

10-1.29-2.04C(1)(c) Submittals

Reserved

10-1.29-2.04C(1)(d) Quality Assurance

The authorized laboratory must test screenings for retention under the Vialit test method for aggregate in chip seals (french chip). The Vialit test results are not used for acceptance. The Vialit test is available at the METS website.

A test for polymer asphaltic emulsion represents the smaller of 55 tons or 1 day's production.

A test for the screenings gradation or cleanness value represents the smaller of 300 tons or 1 day's production.

If the test results for polymer asphaltic emulsion do not comply with the specifications, the Engineer assesses a pay factor value for the following quality characteristics and increments:

Polymer Asphaltic Emulsion Pay Factor Table

Quality characteristic	Test method	Increment	Pay factor
Test on polymer asphaltic emulsion:			
Viscosity at 50 °C (Saybolt Furol seconds)	AASHTO T 59	Each 10 seconds above max or below min	1
Settlement in 5 days	AASHTO T 59	Each 1.5% above max	1
sieve test	AASHTO T 59	Each 0.2% above max	1
demulsibility	AASHTO T 59	Each 2% below min	1
Test on residue from evaporation:			
Penetration at 25 °C	AASHTO T 49	Each 2 dm above max or below min	1
Field softening point °C	ASTM D36/D36M	2 °C below min	1
Torsional recovery ^a	California Test 332	For each 1 increment below the min value of 18	1
		For each 2 increments below the min value of 18	3
		For each 3 increments below the min value of 18	10
Elastic recovery	AASHTO T 301	For each 1 increment below the min value of 60	1
		For each 2 increments below the min value of 60	3
		For each 3 increments below the min value of 60	10

^aThe highest pay factor applies.

The Engineer assesses a pay factor of 1 for sampling not performed in compliance with the specifications, including shipping and sampling containers.

For noncompliant polymer asphaltic emulsion, you may request seal coat to remain in place. If the request is authorized, the Department makes a Payment deduction corresponding to the total pay factor value shown in the following table:

Polymer Asphaltic Emulsion Pay Factor Deductions

Total pay factor value	Deduction
0	none
1–2	\$5.00/ton
3–5	\$10.00/ton
6–9	\$15.00/ton
10–14	\$25.00/ton
15–20	\$50.00/ton

You must remove polymer asphaltic emulsion seal coat with a total pay factor value greater than 20.

For polymer asphaltic emulsion seal coat, if a test result for the screenings cleanness value is from 75 to less than 86, you may request that the seal coat remain in place. If the request is authorized, the Department makes a Payment deduction corresponding to the cleanness value shown in the following table:

Polymer Asphaltic Emulsion Seal Coat Cleanness Value Deductions

Cleanness value	Deduction
86 or over	None
81–85	\$2.20/ton
77–80	\$4.40/ton
75–76	\$6.60/ton

If the test results for polymer asphaltic emulsion aggregate gradation and cleanness value do not comply with the specifications, both Payment deductions are made.

10-1.29-2.04C(2) Materials

Polymer asphaltic emulsion must include elastomeric polymer.

Polymer asphaltic emulsion must comply with section 94, Table 3, under the test on residue from evaporation test for Grades PMRS2, PMRS2h, PMCRS2, and PMCRS2h and the following:

1. Penetration at 39.2 degrees F, 200g for 60 seconds, determined under AASHTO T 49 must be at least 6.
2. Elastic recovery of at least 60 percent when tested under AASHTO T 301.
3. Polymer content in percent by weight does not apply.
4. Ring and ball softening point temperature determined under AASHTO T 53 for Test on Residue from Evaporation Test must comply with the following minimum temperature requirement:
 - 4.1. 126 degrees F for a geographical ambient temperature from 32 to 104 degrees F
 - 4.2. 129 degrees F for a geographical ambient temperature from 18 to 104 degrees F
 - 4.3. 135 degrees F for a geographical ambient temperature from 18 to greater than 104 degrees F

Screenings for polymer asphaltic emulsion seal coat must have the gradation as determined under California Test 202 in the following table:

Sieve size	Medium 3/8" max
3/4"	--
1/2"	100
3/8"	85-100
No. 4	0-15
No. 8	0-5
No. 16	--
No. 30	--
No. 200	0-2

The cleanness value determined under California Test 227 must be 86 or greater.

10-1.29-2.04C(3) Construction

Polymer asphaltic emulsion must be applied within the application rate ranges shown in the following table:

Polymer Asphaltic Emulsion Application Rates

Screenings	Application rate range (gal/sq yd)
Medium	0.25-0.40

Apply polymer asphaltic emulsion when the ambient air temperature is from 60 to 105 degrees F and the pavement surface temperature is at least 55 degrees F.

Do not apply polymer asphaltic emulsion when weather forecasts predict the ambient air temperature will fall below 39 degrees F within 24 hours after application.

You may stockpile screenings for polymer emulsion seal coat if you prevent contamination. Screenings must have damp surfaces at spreading. If water visibly separates from the screenings, do not spread them. You may redampen them in the delivery vehicle.

Spread screenings before the polymer emulsion sets or breaks.

Screenings must have a spread rate within the ranges shown in the following table:

Screening Spread Rates

Seal coat type	Range (lb/sq yd)
Medium	20-30

The Engineer determines the exact application rate. Spread screenings within 10 percent of the rate determined by the Engineer.

Do not spread screenings more than 2,500 feet ahead of the completed initial rolling.

10-1.29-2.04C(4) Payment

Not Used

10-1.29-3 FIBERIZED BLACK ROCK SLURRY SEAL AND MICRO-SURFACING

10-1.29-3.01 GENERAL

10-1.29-3.01A Summary

Section 10-1.29-3 includes specifications for applying SLURRY SEAL and micro-surfacing.

Applying a SLURRY SEAL consists of spreading a mixture of asphaltic emulsion or polymer modified asphaltic emulsion, aggregate, set-control additives, and water on a surface or pavement.

Applying a Micro-surfacing consists of spreading a mixture of Micro-surfacing emulsion, water, additives, mineral filler, and black aggregate on the pavement.

10-1.29-3.01B Definitions

Reserved

10-1.29-3.01C Submittals

10-1.29-3.01C(1) General

The testing laboratory must sign the original laboratory report and mix design.

If the mix design consists of the same materials covered by a previous laboratory report, you may submit the previous laboratory report that must include material testing data performed within the previous 12 months for authorization.

If you change any of the materials in the mix design, submit a new mix design and laboratory report at least 10 days before starting SLURRY SEAL and Micro-surfacing work.

10-1.29-3.01C(2) BLACK ROCK SLURRY SEAL (0.15 - 0.20% Fiberized)

Submit a laboratory report of test results and a proposed mix design 10 days before starting placement of SLURRY SEAL. The report and mix design must include the specific materials to be used.

The laboratory report must include:

1. Test results used in the mix design
2. Proportions of the following materials based on the aggregate's dry weight:
 - 2.1. Black Rock Aggregate
 - 2.2. Filler determined from tests, minimum and maximum
 - 2.3. Water, minimum and maximum
 - 2.4. Asphalt solids content
 - 2.5. Set control agent
3. Comparison of SLURRY SEAL test results to the specified values
4. Fiber

Each day, submit moisture data for the aggregate collected every 2 hours if you are unable to maintain the moisture content to within a maximum daily variation of ± 0.5 percent.

10-1.29-3.01C(3) Micro-surfacing

Submit a laboratory report of test results and a proposed mix design 10 days before starting placement of micro-surfacing.

The report and mix design must include the specific materials to be used and show a comparison of test results and specifications. The report must also include:

1. Test results used in the mix design
2. Proportions of the following materials based on the aggregate's dry weight:
 - 2.1. Black Rock Aggregate
 - 2.2. Water, minimum and maximum
 - 2.3. Additives
 - 2.4. Mineral filler, minimum and maximum
 - 2.5. Micro-surfacing emulsion residual asphalt content, minimum and maximum
3. Recommended changes to the following proportions based on heating the mixture to 100 degrees F and mixing for 60 seconds:
 - 3.1. Water
 - 3.2. Additives
 - 3.3. Mineral filler
4. Comparison of each individual material's test results to its specified values
5. Quantitative moisture effects on the aggregate's unit weight determined under ASTM C29M

The recommended changes in item 3 in the list above do not apply to nighttime applications or if atmospheric temperatures below 90 degrees F are forecast for daytime applications.

Submit a certificate of compliance with each shipment of Micro-surfacing emulsion as specified for asphaltic emulsion in section 94-1.01C.

10-1.29-3.01D Quality Assurance

10-1.29-3.01D(1) General

Your laboratory must be able to perform International Slurry Surfacing Association tests and mix designs.

In the presence of the Engineer, calibrate each mixer-spreader used. Notify the Engineer at least 5 business days before calibrating. Calibration must comply with the Department's Material Plant Quality Program.

If the Department authorizes a mixer-spreader, its calibration is valid for 6 months provided you:

1. Use the same truck verified with a unique identifying number
2. Use the same materials in compliance with the authorized mix design
3. Do not perform any repair or alteration to the proportioning systems

10-1.29-3.01D(2) SLURRY SEAL

Calibrate the adjustable cut-off gate settings of each mixer-spreader truck on the project to achieve the correct delivery rate of aggregate and emulsion per revolution of the aggregate feeder in compliance with California Test 109.

Checks must be performed for each aggregate source using an approved California Test 109 vehicle scale.

Individual checks of the aggregate belt feeder's delivery rate to the pugmill mixer must not vary more than 2 percent from the average of 3 runs of at least 3 tons each.

Individual checks of the emulsion pump's delivery rate to the pugmill mixer must not vary more than 2 percent from the average of 3 runs of at least 500 gal each.

Measure aggregate moisture every 2 hours during SLURRY SEAL placement or maintain the moisture content within a maximum daily variation of ± 0.5 percent.

10-1.29-3.01D(3) Micro-surfacing

Before using a variable-rate emulsion pump, the pump must be calibrated and sealed in the calibrated condition under the Department's Material Plant Quality Program.

For the aggregate belt feeder, the delivery rate for any individual check run must not deviate more than 2 percent from the average of the rates of 3 runs of at least 3 tons each.

For the emulsion pump, the delivery rate for any individual check run must not deviate more than 2 percent from the average of the rates of 3 runs of at least 300 gal each.

10-1.29-3.01D(4) Department Acceptance

The Department accepts aggregate for SLURRY SEAL and Micro-surfacing based on compliance with the aggregate gradation and sand equivalent requirements.

An aggregate gradation or cleanness value test represents 300 tons or 1 day's production, whichever is less.

If the test results for aggregate gradation or sand equivalent do not comply with the specified requirements, you may remove the installed Micro-surfacing represented by the test results or request it remain in place with a Payment deduction. If your request is authorized, the Department deducts:

1. \$1.75 per ton of SLURRY SEAL for each noncompliant aggregate gradation and sand equivalent test
2. \$2.00 per ton of Micro-surfacing for each noncompliant aggregate gradation and sand equivalent test

10-1.29-3.02 MATERIALS

10-1.29-3.02A General

Aggregate for SLURRY SEAL and Micro-surfacing must comply with the gradation requirements shown in the following table:

Aggregate Gradation			
Sieve size	Test Method	Type II	Type III
3/8"	California Test 202	100	100
No. 4		94-100	70-90
No. 8		65-90	45-70
No. 16		40-70	28-50
No. 30		25-50	19-34
No. 200		5-15	5-15

Aggregate shall consist of sound, durable, crushed stone or crushed gravel and approved mineral filler. The material shall be free from vegetable matter and other deleterious substances. Aggregate shall be one hundred percent (100%) crushed with no rounded particles, volcanic in origin and black in color.

10-1.29-3.02B BLACK ROCK SLURRY SEAL (0.15 - 0.20% Fiberized)

10-1.29-3.02B(1) General

The SLURRY SEAL mix design must comply with the requirements shown in the following table:

SLURRY SEAL Mix Design Requirements

Quality characteristic	Test method ^a	Requirement
Consistency (max, mm)	Technical Bulletin 106	30
Wet stripping	Technical Bulletin 114	Pass
Compatibility	Technical Bulletin 115	Pass ^b
Cohesion test ^c , within 1 hour (min, kg-mm)	Technical Bulletin 139	200
Wet track abrasion (max, g/m ²)	Technical Bulletin 100	810

^aTest methods are by the International Slurry Surfacing Association.

^bMixing test must pass at the maximum expected air temperature at the job site during placement.

^cUsing project source aggregate, asphaltic emulsion, and set-control agents if any.

The mix design must have the percent of asphaltic emulsion, based on percentage by weight of the dry aggregate, within the ranges shown in the following table:

Asphaltic Emulsion Percentage

Aggregate type	Range
II	12–18

The Engineer determines the exact percentage based on the design asphalt binder content and the asphalt solids content of the asphaltic emulsion furnished.

10-1.29-3.02B(2) Aggregate

If the specific gravities differ by 0.2 or more, California Test 202 is replaced with California Test 105 for blends of different aggregates.

Aggregate for SLURRY SEAL must comply with the requirements for the type shown in the following table:

Quality characteristic	Test method	II
Sand equivalent (min)	California Test 217	55
Durability index (min)	California Test 229	55

Each day's aggregate moisture content measurements must not vary more than ±0.5 percent.

10-1.29-3.02B(3) Polymer Modified Asphaltic Emulsion

Polymer modified asphaltic emulsion must:

1. Consist of a polymer mixed with a bituminous material uniformly emulsified with water and an emulsifying or stabilization agent.
2. Use either neoprene polymer or butadiene and styrene copolymer. The polymer must be homogeneous and milled into the asphaltic emulsion at the colloid mill.
3. Polymer modified asphaltic emulsion must be Grade PMCQS1h cationic and must comply with the requirements shown in the following table:

Polymer Modified Asphaltic Emulsion Requirements

Quality characteristic	Test method	Requirement
Tests on emulsion:		
Saybolt Furol viscosity @ 25 °C (Saybolt Furol seconds)	AASHTO T 59	15–90
Sieve test (%)	AASHTO T 59	0–0.3
Storage stability after 1 day (%)	AASHTO T 59	0–1
Residue by evaporation (min, %)	California Test 331	57
Particle charge	AASHTO T 59	Positive
Tests on residue by evaporation:		
Penetration at 25 °C	AASHTO T 49	40–90
Ductility at 25 °C (min, mm)	AASHTO T 51	400
Torsional recovery (min, %) or Polymer content (min, %)	California Test 332 California Test 401	18 2.5

10-1.29-3.02C(3) Fiber. The fiber used in the fiberized SLURRY SEAL shall be RoadChem Fiber 1, Slurry-FIL or equivalent chemical resistant glass fiber meeting the following specifications. It shall be 3/8 +/- 1/8 inch in length. The mix design must have the percent of fiber, based on percentage by weight of the dry aggregate of 0.15 – 0.20%. The fiber shall be added at a rate of 0.15% and shall conform to the table below:

10-1.29-3.02C Micro-surfacing

10-1.29-3.02C(1) General

The Micro-surfacing mix design must have the material proportion limits shown in the following table:

Micro-surfacing Mix Design Proportion Limits

Material	Proportion limits
Micro-surfacing emulsion residual asphalt	5.5–9.5% of aggregate dry weight
Water and additives	No limit
Mineral filler	0–3% of aggregate dry weight

The Micro-surfacing mix design must comply with the requirements shown in the following table:

Alkali and Acid Resistant Glass Fiber					
Linear Weight of Roving (lex) ISO 1889	Linear Weight of Strand (lex) ISO 1889	Moisture Content % ISO 334	Specific Gravity	Softening Point (°C)	Tensile Strength (MPa)
2500 min.	82 min.	0.35 max.	2.68 g/cm ³	860 min.	11700 min.
4800 min.	100 min.				

Micro-surfacing Mix Design Tests

Quality characteristics	Test method ^a	Requirement
Wet cohesion @ 30 minute (set) (min, kg-cm) @ 60 minute (traffic) (min, kg-cm)	Technical Bulletin 139	12 20
Excess asphalt (max, g/m ²)	Technical Bulletin 109	540
Wet stripping (min, %)	Technical Bulletin 114	90
Wet track abrasion loss 6-day soak (max, g/m ²)	Technical Bulletin 100	810
Displacement Lateral (max, %) Specific gravity after 1000 cycles of 57 kg (max)	Technical Bulletin 147A	5 2.10
Classification compatibility (min, grade points)	Technical Bulletin 144	(AAA, BAA) 11
Mix time @ 25 °C (min)	Technical Bulletin 113	Controllable to 120 seconds

^aTest methods are by the International Slurry Surfacing Association.

10-1.29-3.02C(2) Black Rock Aggregate

If you blend aggregate from different sources, the aggregate from each source aggregate must comply with the aggregate specifications except gradation.

Aggregate shall consist of sound, durable, crushed stone or crushed gravel and approved mineral filler. The material shall be free from vegetable matter and other deleterious substances. Aggregate shall be one hundred percent (100%) crushed with no rounded particles, volcanic in origin and **black in color**.

Aggregate for Micro-surfacing except mineral filler must comply with the requirements shown in the following table:

Micro-surfacing Aggregate

Quality characteristic	Test method	Requirement
Sand equivalent (min)	California Test 217	65
Durability index (min)	California Test 229	65
Percentage of crushed particles (min, %) ^a	California Test 205	95
Los Angeles Rattler Loss at 500 revolutions (max, %) ^b	California Test 211	35

^aCrushed particles must have at least 1 fractured face.

^bCalifornia Test 211 must be performed on the aggregate before crushing.

10-1.29-3.02C(3) Micro-surfacing Emulsion

Micro-surfacing emulsion must be a homogeneous mixture of asphalt, polymer and emulsifier solution.

Add polymer modifier to asphalt or emulsifier solution before emulsification. Polymer solids must be a minimum 3 percent by weight of the Micro-surfacing emulsion's residual asphalt.

Micro-surfacing emulsion must comply with the requirements shown in the following table:

Micro-surfacing Emulsion

Quality characteristic	Test method	Requirement
Saybolt Furol viscosity at 25 °C (Saybolt Furol seconds)	AASHTO T 59	15–90
Sieve test (max, %)	AASHTO T 59	0.30
Settlement after 5 days (max, %) ^a	ASTM D244	5
Storage stability after 1 day (max, %)	AASHTO T 59	1
Residue by evaporation (min, %)	California Test 331	62

^aWaived if used within 48 hours of shipment.

The Micro-surfacing emulsion's residue by evaporation must comply with the requirements shown in the following table:

Micro-surfacing Emulsion Residue By Evaporation

Quality characteristic	Test method	Requirement
G* at 20 °C (10 rad/sec, MPa)	AASHTO T 315	Report only
Penetration at 25 (°C)	AASHTO T 49	40–90
Phase angle at 50 °C (10 rad/sec) PA (max) - PA base	AASHTO T 315	Report only
Softening point (min, °C)	AASHTO T 53	57
Stiffness at -12 °C (MPa, and M-value)	AASHTO T 313	Report only

10-1.29-3.02C(4) Mineral Filler

If portland cement is used as mineral filler, it must be any combination of Type I, Type II, or Type III cement.

10-1.29-3.03 CONSTRUCTION

10-1.29-3.03A General

Before applying SLURRY SEAL or micro-surfacing, cover manholes, valve and monument covers, grates, or other exposed facilities located within the area of application using plastic or oil resistant construction paper secured by tape or adhesive to the facility being covered. Reference the covered facilities with enough control points to relocate the facilities after application of the seal coat.

In areas inaccessible to spreading equipment, spread the SLURRY SEAL or Micro-surfacing mixture with hand tools or other authorized methods. If placing with hand tools, lightly dampen the area first. Do not handle or shift the material.

10-1.29-3.03B Proportioning

10-1.29-3.03B(1) General

The Engineer determines the asphalt ratio under California Test 310. The asphalt ratio, in kilograms of asphalt per 100 kg of dry aggregate, must not vary by more than ±0.5 kg of asphalt from the determined amount.

10-1.29-3.03B(2) SLURRY SEAL

Proportion SLURRY SEAL ingredients in compliance with the authorized mix design. Proportion and blend different aggregate types before adding other ingredients.

After proportioning, the SLURRY SEAL mixture must be workable. The SLURRY SEAL surface must be cured to allow traffic within 1 hour after placement. The SLURRY SEAL must not show bleeding, raveling, separation, or other distresses for 15 days after placing.

10-1.29-3.03B(3) Micro-surfacing

Proportion the Micro-surfacing materials using the authorized mix design.

Field conditions may require adjustments to the proportions during construction. Obtain authorization before adjusting proportions.

10-1.29-3.03C Mixing and Spreading Equipment

10-1.29-3.03C(1) General

Mixing and spreading equipment for SLURRY SEAL and Micro-surfacing must proportion asphaltic emulsion, water, aggregate, and any set-control additives by volume and mix them in continuous pugmill mixers. Continuous pugmill mixers must be of adequate size and power for the type of materials to be mixed.

10-1.29-3.03C(2) Truck Mounted Mixer Spreaders

Truck mounted mixer spreaders must comply with the following:

1. Rotating and reciprocating equipment must be covered with metal guards.
2. Proportion aggregate using a belt feeder with an adjustable cutoff gate. The Engineer verifies the height of the gate opening.
3. Belt feeder must have a depth monitor device. The depth monitor device must automatically shut down power to the belt feeder when the aggregate depth is less than 70 percent of the target depth.
4. Separate monitor device must detect the revolutions of the belt feeder. This device must automatically shut down power to the belt feeder if it detects no revolutions. If the belt feeder is an integral part of the equipment's drive chain, the monitor device is not required.
5. Aggregate belt feeder must be connected directly to the drive on the emulsion pump. The aggregate feeder drive shaft must have a revolution counter reading the nearest 0.10 revolution for micro-surfacing, and nearest 1 revolution for SLURRY SEAL.
6. Emulsion storage must be equipped with a device that automatically shuts down power to the emulsion pump and aggregate belt feeder when the level of stored emulsion is lowered. To allow for normal fluctuations, there may be a delay of 3 seconds between detection of low emulsion storage levels or low aggregate depths and automatic power shut down.
7. Emulsion storage must be located immediately before the emulsion pump.
8. Emulsion storage tank must have a temperature indicator at the pump suction level. The indicator must be accurate to ± 5 degrees F.
9. No-flow and revolution warning devices must be in working condition and comply with California Test 109. Low-flow indicators must be visible while walking alongside the equipment.

10-1.29-3.03C(3) Continuous Self-Loading Mixing Machine

Continuous self-loading mixing machines must be automatically sequenced and self-propelled. The mixing machine must deliver each material to a double shafted mixer and discharge the mixed material on a continuous flow basis. The mixing machine must have sufficient storage capacity to maintain a continuous supply of material to the proportioning controls. The mixing machine operator must have full control of forward and reverse speeds during placement.

10-1.29-3.03C(4) SLURRY SEAL Equipment

10-1.29-3.03C(4)(a) General

Introduce emulsion into the mixer with a positive displacement pump. If you use a variable-rate pump, the adjusting unit must be sealed in its calibrated position.

Introduce water into the mixer with a meter that measures gallons.

Identifying numbers for equipment must be at least 2 inches high and located on the front and rear of the vehicle.

10-1.29-3.03C(4)(b) Spreader Box

The spreader box used to spread the slurry mixture must be:

1. Capable of spreading an entire lane width.
2. Equipped with flexible rubber belting on each side. The belting must contact the pavement to prevent loss of slurry from the box.
3. If wider than 7.5 feet, equipped with baffles, reversible motor-driven augers, or equivalent features to uniformly apply the SLURRY SEAL on superelevated sections and shoulder slopes.
4. Equipped with rear flexible strike-off blades in close contact with the pavement and adjustable to various crown shapes to uniformly apply the SLURRY SEAL.

5. Equipped with flexible drags attached to the rear and cleaned daily and changed if longitudinal scouring occurs.
6. Clean and free of SLURRY SEAL or emulsion at the start of each work shift.

10-1.29-3.03C(5) Micro-surfacing Equipment

10-1.29-3.03C(5)(a) General

Choose a continuous self-loading mixing machine or truck mounted mixer-spreader.

Proportion Micro-surfacing emulsion using a positive displacement pump.

Identifying numbers for equipment must be at least 3 inches high and located on the front and rear of the vehicle.

10-1.29-3.03C(5)(b) Spreader Box

The spreader box must be capable of spreading the Micro-surfacing a minimum of 12 feet wide and preventing the loss of micro-surfacing. Spreader boxes over 8 feet in application width must have a device, such as baffles or reversible motor driven augers, to ensure uniform application on superelevated sections and shoulder slopes. Clean Micro-surfacing and Micro-surfacing emulsion from the spreader box before each work shift.

The spreader box must have a series of strike-off devices at its rear.

The leading strike-off device must be:

1. Fabricated of a suitable material such as steel or stiff rubber
2. Designed to maintain close contact with the pavement during spreading
3. Capable of obtaining the specified thickness
4. Capable of being adjusted to the various pavement cross sections

The final strike-off device must be:

1. Fabricated of flexible material that produces a uniform texture in the finished surface
2. Cleaned daily and changed if longitudinal scouring occurs in the micro-surfacing

Do not use flexible drags attached to the rear of the spreader box.

10-1.29-3.03C(5)(c) Shoulder Equipment

Spread Micro-surfacing on shoulders with a device such as an edge box that forms clean and straight joints and edges.

10-1.29-3.03C(5)(d) Scratch Course Box

Spread scratch course with the same type of spreader box used to spread Micro-surfacing except use an adjustable steel strike-off device instead of a final strike-off device.

10-1.29-3.03C(5)(e) Wheel Path Depression Boxes

Each wheel path depression box must have adjustable strike-off device between 5 and 6 feet wide to regulate depth. The rut box must also have devices such as hydraulic augers capable of:

1. Moving the mixed material from the rear to the front of the filling chamber
2. Guiding larger aggregate into the deeper section of the wheel path depression
3. Forcing the finer material towards the outer edges of the spreader box

10-1.29-3.03D Placing

10-1.29-3.03D(1) General

If truck-mounted mixer-spreaders are used, keep at least 2 operational spreaders at the job site during placement.

In areas inaccessible to spreading equipment, spread the SLURRY SEAL or Micro-surfacing mixture with hand tools. If placing with hand tools, lightly dampen the area first. Do not handle or shift the mixture.

10-1.29-3.03D(2) Surface Preparation

10-1.29-3.03D(2)(a) General

Before you place SLURRY SEAL or micro-surfacing, clean the pavement surface by removing loose particles of extraneous materials, including paving and dirt. Use any nondestructive method, such as flushing or sweeping.

10-1.29-3.03D(2)(b) SLURRY SEAL

If SLURRY SEAL activities affect access to public parking, residential property, or commercial property, notify residents, businesses, and local agencies at least 24 hours before starting activities. The notice must:

1. Describe the work to be performed
2. Detail streets and limits of activities
3. Indicate work hours
4. Be authorized

Before starting SLURRY SEAL activities, post signs at 100-foot intervals on the affected streets. Signs must display *No Parking – Tow Away*. Signs must state the day of the week and hours parking or access will be restricted.

Within 1 hour after placement, SLURRY SEAL must be set enough to allow traffic. SLURRY SEAL must not exhibit distress from traffic such as bleeding, raveling, separation or other distresses.

10-1.29-3.03D(2)(c) Micro-surfacing

10-1.29-3.03D(2)(c)(i) General

You may fog the roadway surface with water ahead of the spreader box. The fog spray must be adjusted for pavement:

- 1. Temperature
- 2. Surface texture
- 3. Dryness

10-1.29-3.03D(2)(c)(ii) Repair Wheel Path Depression

If repairing a wheel path depression is shown, fill wheel path depressions and irregularities with Micro-surfacing material before spreading micro-surfacing. If the depressions are less than 0.04 foot deep, fill with a scratch course. If the depressions are 0.04 foot deep or more, fill the depressions using with a wheel path depression (rut) box.

Spread scratch course by adjusting the steel strike-off of a scratch course box until it is directly in contact with the pavement surface.

Spread Micro-surfacing with a wheel path depression rut box leaving a slight crown at the surface. Use multiple applications to fill depressions more than 0.12 foot deep. Do not apply more than 0.12 foot in a single application.

Allow traffic to compact each filled wheel path depression for a minimum of 12 hours before placing additional micro-surfacing.

10-1.29-3.03D(3) Test Strips

10-1.29-3.03D(3)(a) General

Reserved

10-1.29-3.03D(3)(b) SLURRY SEAL

Test strips do not apply to SLURRY SEAL.

10-1.29-3.03D(3)(c) Micro-surfacing

Reserved

10-1.29-3.03D(4) Placement

10-1.29-3.03D(4)(a) General

Reserved

10-1.29-3.03D(4)(a)(i) General

Longitudinal and transverse joints must be:

- 1. Uniform
- 2. Straight
- 3. Neat in appearance
- 4. Butt-type joints
- 5. Without material buildup
- 6. Without uncovered areas

Place longitudinal joints:

- 1. On centerlines, lane lines, edge lines, or shoulder lines
- 2. With overlaps not more than 3 inches

Set the leading edge of kraft paper on transverse joints to create a straight butt joint with the next application when the paper is removed.

10-1.29-3.03D(4)(a)(ii) Weather Conditions

Only place SLURRY SEAL or Micro-surfacing if both the pavement and air temperatures are at least 50 degrees F and rising. Do not place SLURRY SEAL or Micro-surfacing if either the pavement or air temperature is below 50 degrees F and falling. The expected high temperature must be at least 65 degrees F within 24 hours after placement.

Do not place SLURRY SEAL or Micro-surfacing if rain is imminent or the air temperature is expected to be below 36 degrees F within 24 hours after placement.

10-1.29-3.03D(4)(b) SLURRY SEAL

Spread SLURRY SEAL uniformly within the specified spread rate range. Do not spot, rehandle, or shift the mixture.

If there is a bid item for tack coat, coat the pavement surface with an SS or CSS grade asphaltic emulsion mixed with additional water. The ratio of water to asphaltic emulsion must be 3 to 1. Apply the tack coat at a rate from 0.08 to 0.15 gal/sq yd. The exact rate must be authorized.

The Engineer determines the exact spread rate for SLURRY SEAL. The completed rate must be within 10 percent of the Engineer's determined spread rate. The SLURRY SEAL spread rates must be within the ranges shown in the following table:

SLURRY SEAL Spread Rates

Type of aggregate	Range (lb of dry aggregate/sq yd)
-------------------	--------------------------------------

Longitudinal joints must correspond with lane lines. You may request other longitudinal joint patterns if they do not adversely affect the SLURRY SEAL.

Spread SLURRY SEAL in full lane widths. Do not overlap SLURRY SEAL between adjacent lanes more than 3 inches. Use kraft paper at transverse joints and over previously placed SLURRY SEAL to prevent double placement. Remove the paper after use. Use hand tools to remove spillage.

The finished surface must be smooth.

The mixture must be uniform and homogeneous after spreading, and there must not be separation of the emulsion and aggregate after setting.

Protect the SLURRY SEAL from damage until it has cured and will not adhere or be picked up by vehicle tires.

10-1.29-3.03D(4)(c) Micro-surfacing

10-1.29-3.03D(4)(c)(i) General

The Engineer determines the exact spread rate for micro-surfacing. The completed spread rate must be within 10 percent of the Engineer's determined spread rate. The Micro-surfacing spread rates must be within the ranges shown in the following table:

Micro-surfacing Spread Rates		
Micro-surfacing type	Location	Range (lb of dry aggregate/sq yd)
Type II	Full lane width	10-20
Type III ^a	Full lane width	20-32

^a Over asphalt concrete pavement

Spread Micro-surfacing either in the direction of traffic or in the opposite direction.

Keep hand tools available to remove spillage.

10-1.29-3.03D(4)(c)(ii) Joints

The maximum difference between the pavement surface and the bottom edge of a 12-foot straightedge placed perpendicular to the joint must be:

1. 0.04 foot for longitudinal joints
2. 0.03 foot for transverse joints

10-1.29-3.03D(4)(c)(iii) Finished Surface

Finished Micro-surfacing must be free of irregularities such as scratch or tear marks. You may leave up to 4 marks that are 1/2 inch wide or less and 6 inches long or less per 75 linear feet of Micro-surfacing placed. Do not leave any marks that are over 1 inch wide or 6 inches long.

Sweep the Micro-surfacing 24 hours after placement without damaging the micro-surfacing. For 5 days afterward, sweep the Micro-surfacing daily.

10-1.29-3.03D(4)(c)(iv) Repair of Early Distress

If bleeding, raveling, delamination, rutting, or wash boarding occurs within 60 days after placing the fiberized micro surfacing, the Contractor shall diligently pursue repairs by any method approved by the Engineer. The Contractor shall not be relieved from maintenance until repairs have been completed.

10-1.29-3.04 PAYMENT

Fiberized SLURRY SEAL mixed in continuous-flow mixers shall be measured by square yard (SY). Payment for SLURRY SEAL will be made at the Contract Unit Price per square yard (SY). No separate Payment will be made for calibration, scheduling, public convenience, or traffic control unless otherwise specified.

Payment for Micro-surfacing will be made at the Contract Unit Price per square yard (SY). No Payment will be made for test strips which have been rejected or for removal of rejected test strips. No separate Payment will be made for calibration, scheduling, public convenience, or traffic control unless otherwise specified.

10-1.30 ASPHALTIC EMULSIONS

10-1.30-1.01 GENERAL

10-1.30-1.01A Summary

Section 10-1.30 includes specifications for furnishing asphaltic emulsions.

10-1.30-1.01B Definitions

Reserved

10-1.30-1.01C Submittals

Submit an SDS for each shipment of asphaltic emulsion to the job site.

If you use the asphaltic emulsion before the Department's sampling and testing is complete, submit a certificate of compliance for each shipment to the job site. The certificate of compliance must include:

1. Shipment number and shipment date
2. Source refinery, consignee, and destination
3. Type and description of material with specific gravity and quantity
4. Contract or purchase order number
5. Signature by the manufacturer of the material and a statement that the material complies with the Contract
6. Test results showing the material complies with section 10-1.30-1.02

If no certificate of compliance is submitted, do not use asphaltic emulsion until authorized.

10-1.30-1.01D Quality Assurance

Sample asphaltic emulsion under AASHTO T 40.

Store samples in clean and airtight sealed containers. Storage temperature must be at least 40 degrees F until tested.

The Engineer may waive the settlement test if the asphaltic emulsion is used in less than 5 days from the time the sample is taken.

10-1.30-1.02 MATERIALS

10-1.30-1.02A General

Asphaltic emulsions must be composed of a bituminous material uniformly emulsified with water and an emulsifying or a stabilizing agent. Polymer modified asphaltic emulsion must contain a polymer.

Asphaltic emulsion must be homogeneous. Within 30 days after delivery and if freezing has not caused separation, the asphaltic emulsion must be homogeneous after thorough mixing.

Asphaltic emulsion must be anionic, cationic, polymer modified, or quick setting.

10-1.30-1.02D Polymer Modified Asphaltic Emulsions

Polymer modified asphaltic emulsion must comply with the requirements shown in the following table:

Polymer Modified Asphaltic Emulsion Requirements

Quality characteristic	Test method	Requirement			
		Anionic		Cationic	
		Grade PMRS2	Grade PMRS2h	Grade PMCRS2	Grade PMCRS2h
Saybolt Furol viscosity, @ 50 °C (Saybolt Furol seconds)	AASHTO T 59	75–300	75–300	75–350	75–350
Settlement, 5 days (max, %)		5	5	5	5
Storage stability test, 1 day (max, %)		1	1	1	1
Sieve test (max, %)		0.30	0.30	0.30	0.30
Demulsibility (min, %)		60 ^a	60 ^a	40 ^b	40 ^b
Particle charge		--	--	positive	positive
Ash content (max, %)	ASTM D3723	0.2	0.2	0.2	0.2
Residue by evaporation (min, %)	California Test 331	65	65	65	65
Tests on residue from evaporation test:					
Penetration, 25 °C	AASHTO T 49	100–200	40–90	100–200	40–90
Ductility, 25 °C, (min, mm)	AASHTO T 51	400	400	400	400
Torsional recovery (min, %)	California Test 332	18	18	18	18
or Polymer content at 5% by weight (min, %)	California Test 401	2.5	2.5	2.5	2.5

^aUse 35 ml of 0.02 N CaCl₂ solution.

^bUse 35 ml of 0.8% sodium dioctyl sulfosuccinate solution.

10-1.30-1.04 PAYMENT

Not Used

10-1.31 PAYMENT

The method of payment for each item of work is described in Section 9 of the Standard Specifications.

Progress payments shall be payment for amount of work completed to the 20th of each month. All work in not fully completed, but in progress, shall be discussed with the contractor and assessed by the Project Engineer, and shall be paid for on a percentage of completion or quantities completed basis. Progress payments shall be made to the Contractor upon approval of the City.

BIDDING DOCUMENTS

**CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS**

BID BOOK

FOR

2021 ANNUAL ROAD MAINTENANCE PROJECT

For use in connection with federally funded Local Assistance construction projects administered under the Standard Specifications Dated 2018 and Standard Plans Dated 2018 of the California Department of Transportation, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

Bid Opening Date: September 14, 2021

INCLUDE WITH BID

(Because some colored inks will not reproduce in copy machines, please use black ink to complete this proposal.)

(DO NOT DETACH)

PROPOSAL TO THE CITY OF LEMOORE

DEPARTMENT OF PUBLIC WORKS

NAME OF BIDDER _____

BUSINESS P.O. BOX _____

CITY, STATE, ZIP _____

BUSINESS STREET ADDRESS _____

(Please include even if P.O. Box used)

CITY, STATE, ZIP _____

TELEPHONE NO: **AREA CODE** () _____

FAX NO: **AREA CODE** () _____

CONTRACTOR LICENSE NO. _____

The work for which this proposal is submitted is for construction in conformance with the special provisions (including the payment of not less than the State general prevailing wage rates or Federal minimum wage rates), the project plans described below, including any addenda thereto, the contract annexed hereto, and also in conformance with the California Department of Transportation Standard Specifications Dated 2018 and Standard Plans Dated 2018, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished.

The special provisions for the work to be done are dated 2018 and are entitled:

**CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS
NOTICE TO CONTRACTORS AND SPECIAL PROVISIONS FOR
2021 ANNUAL ROAD MAINTENANCE PROJECT**

The project plans for the work to be done were dated 2021 and are entitled:

2021 ANNUAL ROAD MAINTENANCE PROJECT

INCLUDE WITH BID

Bids are to be submitted for the entire work. The amount of the bid for comparison purposes will be the total of all items.

The bidder shall set forth for each unit basis item of work a unit price and a total for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for that purpose. In the case of unit basis items, the amount set forth under the "Item Total" column shall be the product of the unit price bid and the estimated quantity for the item.

In case of discrepancy between the unit price and the total set forth for a unit basis item, the unit price shall prevail, except as provided in (a) or (b), as follows:

- (a) If the amount set forth as a unit price is unreadable or otherwise unclear, or is omitted, or is the same as the amount as the entry in the item total column, then the amount set forth in the item total column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the unit price;
- (b) (Decimal Errors) If the product of the entered unit price and the estimated quantity is exactly off by a factor of ten, one hundred, etc., or one-tenth, or one-hundredth, etc. from the entered total, the discrepancy will be resolved by using the entered unit price or item total, whichever most closely approximates percentage wise the unit price or item total in the *CITY OF LEMOORE*'s Final Estimate of cost.

If both the unit price and the item total are unreadable or otherwise unclear, or are omitted, the bid may be deemed irregular. Likewise if the item total for a lump sum item is unreadable or otherwise unclear, or is omitted, the bid may be deemed irregular unless the project being bid has only a single item and a clear, readable total bid is provided.

Symbols such as commas and dollar signs will be ignored and have no mathematical significance in establishing any unit price or item total or lump sums. Written unit prices, item totals and lump sums will be interpreted according to the number of digits and, if applicable, decimal placement. Cents symbols also have no significance in establishing any unit price or item total since all figures are assumed to be expressed in dollars and/or decimal fractions of a dollar. Bids on lump sum items shall be item totals only; if any unit price for a lump sum item is included in a bid and it differs from the item total, the items total shall prevail.

The foregoing provisions for the resolution of specific irregularities cannot be so comprehensive as to cover every omission, inconsistency, error or other irregularity, which may occur in a bid. Any situation not specifically provided for will be determined in the discretion of the *CITY OF LEMOORE*, and that discretion will be exercised in the manner deemed by the *CITY OF LEMOORE* to best protect the public interest in the prompt and economical completion of the work. The decision of the *CITY OF LEMOORE* respecting the amount of a bid, or the existence or treatment of an irregularity in a bid, shall be final.

If this proposal shall be accepted and the undersigned shall fail to enter into the contract and furnish the 2 bonds in the sums required by the State Contract Act, with surety satisfactory to the *CITY OF LEMOORE*, within 8 days, not including Saturdays, Sundays and legal holidays, after the bidder has received notice from the *CITY OF LEMOORE* that the contract has been awarded, the *CITY OF LEMOORE* may, at its option, determine that the bidder has abandoned the contract, and thereupon this proposal and the acceptance thereof shall be null and void and the forfeiture of the security accompanying this proposal shall operate and the same shall be the property of *CITY OF LEMOORE*.

The undersigned, as bidder, declares that the only persons or parties interested in this proposal as principals are those named herein; that this proposal is made without collusion with any other person, firm, or corporation; that he has carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and he proposes, and agrees if this proposal is accepted, that he will contract with the *CITY OF LEMOORE*, in the form of the copy of the contract annexed hereto, to provide all necessary machinery, tools, apparatus and other means of construction, and to do all the work and furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth, and that he will take in full payment therefore the following prices, to wit:

INCLUDE WITH BID

BID SCHEDULE

2021 ANNUAL ROAD MAINTENANCE PROJECT

BID					
Item No.	Description	Units	Quantity	Unit Cost	Total Cost
1*	Mobilization, Demobilization and Cleanup	LS	1		
2	Traffic Control Plan & Implementation	LS	1		
3	Type II (0.15 to 0.20%) Fiberized Black Rock Micro-surfacing & preparation work	SY	106,059		
4	Signing, Striping, & Pavement Markings, (2 Coats)	LS	1		
Total Bid Amount:					

2021 ANNUAL ROAD MAINTENANCE PROJECT AMOUNT: Unit Price for this project is for the project to be completed in accordance with drawings and specs, contract documents, including all costs to the City including, but not limited to, materials, labor, tools, insurance, preparation work, cleanup, and warranties, shall be:

***Mobilization Lump Sum Item No. 1 shall not exceed 5% of total Bid.**

Total Amount of **Bid** (written in words) is: _____ Dollars and _____ Cents.

In the event of discrepancy between words and figures, the words shall prevail. In case of discrepancy between unit prices and totals, the unit price shall prevail.

If written notice of the Award of Contract is mailed, faxed, or delivered to the undersigned at any time before this bid is withdrawn, the undersigned shall, within ten (10) days after the date of such mailing, faxing, or delivering of such notice, execute and deliver an agreement in the form of agreement present in these Contract Documents and give Performance and Payment Bonds in accordance with the specifications and bid as accepted.

The undersigned hereby designates as the office to which such Notice of Award of Contract may be mailed, faxed, or delivered:

Bidder's Public Liability and Property Damage Insurance is placed with:

Bidder's Workers' Compensation Insurance is placed with:

A bidder shall not submit a bid unless the bidder's California contractor's license number appears clearly on the bid, the license expiration date and class are stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid submitted by a contractor who is not licensed pursuant to Business and Professions Code section 7028.15 shall be considered nonresponsive and shall be rejected.

NOTE: Each bid must give the full business address of the bidder and be signed by bidder with bidder's usual signature. Bids by partnerships must furnish the full name of all partners and must be signed in the partnership name by a general partner with authority to bind the partnership in such matters, followed by the signature and designation of the person signing. The name of the person signing shall also be typed or printed below the signature. Bids by corporations must be signed with the legal name of the corporation, followed by the name of the state of incorporation and by the signature and designation of the chairman of the board, president or any vice president, and then followed by a second signature by the secretary, assistant secretary, the chief financial officer or assistant treasurer. All persons signing must be authorized to bind the corporation in the matter. The name of each person signing shall also be typed or printed below the signature. Satisfactory evidence of the authority of the officer signing on behalf of a corporation shall be furnished.

The undersigned declares under penalty of perjury under the laws of the State of California that the representations made in this bid are true and correct.

Print or Type Name : _____

Title: _____

Name of Company as Licensed: _____

Business Address: _____

Telephone Number: _____

California Contractor License No.: _____

Class and Expiration Date: _____

State of Incorporation, if Applicable: _____

() Evidence of authority to bind
corporation is attached. Dated: , _____

Signed: _____

INCLUDE WITH BID

Acknowledgment of Addenda
Addendum No. Initial

Signature

Printed Name / Title

Company

Contractor's License Number / Expiration Date

Selection of bidder shall be based on the lowest responsive and responsible bid for the combined total of construction items. The City has the option to reject all bids with or without cause. The City also may at its discretion remove any item(s) from this project. It is understood that the foregoing quantities are approximate only and are solely for the purpose of facilitating the comparison of bids, and that the contractor's compensation will be computed upon the basis of the actual quantities in the complete work, whether they be more or less than those shown.

INCLUDE WITH BID

The Bidder shall list the name and address of each subcontractor to whom the Bidder proposes to subcontract portions of the work, as required by the provisions in Section 2-1.10, "Subcontractor List," of the Standard Specifications and Section 2, "Bidding," of the special provisions.

LIST OF SUBCONTRACTORS

<u>Name And Address</u>	<u>Description of Portion Of Work Subcontracted & License #</u>
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INCLUDE WITH BID

**Bidder's List of Subcontractors (DBE and Non-DBE)
Part 1**

As of March 1, 2015 Contractors (and sub-contractors) wishing to bid on public works contracts shall be registered with the State Division of Industrial Relations and certified to bid on Public Works contracts. Please register at: <https://efiling.dir.ca.gov/PWCR/ActionServlet?action=displayPWCRRegistrationForm>

In accordance with Title 49, Section 26.11 of the Code of Federal Regulations, and Section 4104 of the Public Contract Code of the State of California, as amended, the following information is required for each sub-contractor who will perform work amounting to more than one half of one percent (0.5%) of the Total Base Bid or \$10,000 (whichever is greater). **Photocopy this form for additional firms.**

Subcontractor Name and Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Sub-contracted	Contractor License Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
				DIR Reg Number			
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.

Distribution: 1) Original-Local Agency File 2) Copy-DLAE w/ Award Package **INCLUDE WITH BID**

**Bidder's List of subcontractor (DBE and Non-DBE)
Part 2**

In accordance with Title 49, Section 26 of the Code of Federal Regulations, the Bidder shall list all subcontractor who provide a quote or bid but were not selected to participate as a subcontractor on this project. Photocopy this form for additional firms.

Subcontractor Name and Location	Line Item & Description	Subcontract Amount	Percentage of Bid Item Sub-contracted	Contractor License Number	DBE (Y/N)	DBE Cert Number	Annual Gross Receipts
				DIR Reg Number			
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.
Name:							<input type="checkbox"/> <\$1 million
City, State:							<input type="checkbox"/> <\$5 million
							<input type="checkbox"/> <\$10 million
							<input type="checkbox"/> <\$15 million
							Age of Firm: ___ yrs.

Distribution: 1) Original-Local Agency File 2) Copy-DLAE w/ Award Package

INCLUDE WITH BID

INCLUDE WITH BID
*(THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THIS PROPOSAL SHALL
ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE CERTIFICATIONS
WHICH ARE A PART OF THIS PROPOSAL)*

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION

The bidder _____, proposed subcontractor _____, hereby certifies that he has _____, has not _____, participated in a previous contract or subcontract subject to the equal opportunity clauses, as required by Executive Orders 10925, 11114, or 11246, and that, where required, he has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

INCLUDE WITH BID

PUBLIC CONTRACT CODE

Public Contract Code Section 10285.1 Statement

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has ____ , has not ____been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a check mark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

Public Contract Code Section 10162 Questionnaire

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes _____ No _____

If the answer is yes, explain the circumstances in the following space.

INCLUDE WITH BID

Public Contract Code 10232 Statement

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement and Questionnaire.
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

INCLUDE WITH BID

NON-COLLUSION AFFIDAVIT

(Title 23 United States Code Section 112 and
Public Contract Code Section 7106)

To the CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS.

In conformance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Non-collusion Affidavit is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Non-collusion Affidavit.
Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

INCLUDE WITH BID

DEBARMENT AND SUSPENSION CERTIFICATION

TITLE 49, CODE OF FEDERAL REGULATIONS, PART 29

The bidder, under penalty of perjury, certifies that, except as noted below, he/she or any other person associated therewith in the capacity of owner, partner, director, officer, manager:

- is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal agency within the past 3 years;
- does not have a proposed debarment pending; and
- has not been indicted, convicted, or had a civil judgement rendered against it by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space.

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action.

Notes: Providing false information may result in criminal prosecution or administrative sanctions.
The above certification is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Certification.

INCLUDE WITH BID

NONLOBBYING CERTIFICATION FOR FEDERAL-AID CONTRACTS

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in conformance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

INCLUDE WITH BID

DISCLOSURE OF LOBBYING ACTIVITIES

COMPLETE THIS FORM TO DISCLOSE LOBBYING ACTIVITIES PURSUANT TO 31 U.S.C. 1352

<p>1. Type of Federal Action:</p> <p><input type="checkbox"/> a. contract <input type="checkbox"/> b. grant <input type="checkbox"/> c. cooperative agreement <input type="checkbox"/> d. loan <input type="checkbox"/> e. loan guarantee <input type="checkbox"/> f. loan insurance</p>	<p>2. Status of Federal Action:</p> <p><input type="checkbox"/> a. bid/offer/application <input type="checkbox"/> b. initial award <input type="checkbox"/> c. post-award</p>	<p>3. Report Type:</p> <p><input type="checkbox"/> a. initial <input type="checkbox"/> b. material change</p> <p style="text-align: right;">For Material Change Only: year ____ quarter ____ date of last report _____</p>
<p>4. Name and Address of Reporting Entity</p> <p><input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known</p> <p style="text-align: center;">Congressional District, if known</p>	<p>5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime:</p> <p style="text-align: center;">Congressional District, if known</p>	
<p>6. Federal Department/Agency:</p>	<p>7. Federal Program Name/Description:</p> <p style="text-align: right;">CFDA Number, if applicable _____</p>	
<p>8. Federal Action Number, if known:</p>	<p>9. Award Amount, if known:</p>	
<p>10. a. Name and Address of Lobby Entity (If individual, last name, first name, MI)</p>	<p>b. Individuals Performing Services (including address if different from No. 10a) (last name, first name, MI)</p>	
(attach Continuation Sheet(s) if necessary)		
<p>11. Amount of Payment (check all that apply)</p> <p>\$ _____ <input type="checkbox"/> actual <input type="checkbox"/> planned</p>	<p>13. Type of Payment (check all that apply)</p> <p><input type="checkbox"/> a. retainer <input type="checkbox"/> b. one-time fee <input type="checkbox"/> c. commission <input type="checkbox"/> d. contingent fee <input type="checkbox"/> e. deferred <input type="checkbox"/> f. other, specify _____</p>	
<p>12. Form of Payment (check all that apply):</p> <p><input type="checkbox"/> a. cash <input type="checkbox"/> b. in-kind; specify: nature _____ value _____</p>		
<p>14. Brief Description of Services Performed or to be performed and Date(s) of Service, including officer(s), employee(s), or member(s) contacted, for Payment Indicated in Item 11:</p> <p style="text-align: center;">(attach Continuation Sheet(s) if necessary)</p>		
<p>15. Continuation Sheet(s) attached: Yes <input type="checkbox"/> No <input type="checkbox"/></p>		
<p>16. Information requested through this form is authorized by Title 31 U.S.C. Section 1352. This disclosure of lobbying reliance was placed by the tier above when his transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semiannually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.</p>	<p>Signature: _____</p> <p>Print Name: _____</p> <p>Title: _____</p> <p>Telephone No.: _____ Date: _____</p>	
<p>Federal Use Only:</p>		

Authorized for Local Reproduction
Standard Form - LLL

INCLUDE WITH BID**INSTRUCTIONS FOR COMPLETION OF SF-LLL,
DISCLOSURE OF LOBBYING ACTIVITIES**

This disclosure form shall be completed by the reporting entity, whether sub-awardee or prime Federal recipient, at the initiation or receipt of covered Federal action or a material change to previous filing pursuant to title 31 U.S.C. section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered Federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered Federal action.
2. Identify the status of the covered Federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered Federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or sub-award recipient. Identify the tier of the sub-awardees, e.g., the first sub-awardees of the prime is the first tier. Sub-awards include but are not limited to subcontracts, sub-grants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Sub-awardees" then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.
6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate Federal identifying number available for the Federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant, or loan award number, the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influenced the covered Federal action.
(b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with Federal officials. Identify the Federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

Accompanying this proposal is _____

(NOTICE: INSERT THE WORDS "CASH(\$ _____)," "CASHIER'S CHECK,"
"CERTIFIED CHECK," OR "BIDDER'S BOND," AS THE CASE MAY BE.)

in amount equal to at least ten percent of the total of the bid.

The names of all persons interested in the foregoing proposal as principals are as follows:

IMPORTANT NOTICE

If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual copartners composing firm; if bidder or other interested person is an individual, state first and last names in full.

Licensed in conformance with an act providing for the registration of Contractors,

License No. _____ Classification(s) _____

ADDENDA -

This Proposal is submitted with respect to the changes to the contract included in addenda number/s _____

(Fill in addenda numbers if addenda have been received and insert, in this Proposal, any Engineer's Estimate sheets that were received as part of the addenda.)

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire and statements of Public Contract Code Sections 10162, 10232 and 10285.1 are true and correct and that the bidder has complied with the requirements of Section 8103 of the Fair Employment and Housing Commission Regulations (Chapter 5, Title 2 of the California Administrative Code). By my signature on this proposal I further certify, under penalty of perjury under the laws of the State of California and the United States of America, that the Non-collusion Affidavit required by Title 23 United States Code, Section 112 and Public Contract Code Section 7106; and the Title 49 Code of Federal Regulations, Part 29 Debarment and Suspension Certification are true and correct.

Date: _____



SIGNATURE AND TITLE OF BIDDER

Business Address _____

Place of Business _____

Place of Residence _____

INCLUDE WITH BID

**CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS**

BIDDER'S BOND

We, _____
_____ as Principal, and

_____ as Surety are bound unto the CITY OF LEMOORE, State of California, hereafter referred to as "Obligee", in the penal sum of ten percent (10%) of the total amount of the bid of the Principal submitted to the Obligee for the work described below, for the payment of which sum we bind ourselves, jointly and severally,

THE CONDITION OF THIS OBLIGATION IS SUCH, THAT:

WHEREAS, the Principal is submitted to the Obligee, for _____

(Copy here the exact description of work, including location as it appears on the proposal)

for which bids are to be opened at _____ on _____
(Insert place where bids will be opened) (Insert date of bid opening)

NOW, THEREFORE, if the Principal is awarded the contract and, within the time and manner required under the specifications, after the prescribed forms are presented to him for signature, enters into a written contract, in the prescribed form, in conformance with the bid, and files two bonds with the Obligee, one to guarantee faithful performance of the contract and the other to guarantee payment for labor and materials as provided by law, then this obligation shall be null and void; otherwise, it shall remain in full force.

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.

Dated: _____, 20 ____ .

Principal

Surety
By _____
Attorney-in-fact

CERTIFICATE OF ACKNOWLEDGEMENT

State of California
City/County of _____ SS

On this _____ day of _____ in the year 20____ before me
_____, personally appeared _____,
Attorney-in-fact

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney-in-fact of _____, and acknowledged to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as attorney-in-fact.

(SEAL) _____
Notary Public

INCLUDE WITH BID

REFERENCES

The following are the names, addresses and telephone numbers for three public agencies for which BIDDER has performed similar work within the past 2 years:

1. _____
Name and Address of Owner

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

2. _____
Name and Address of Owner

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

3. _____
Name and Address of Owner

Name and telephone number of person familiar with project

Contract amount	Type of work	Date completed
-----------------	--------------	----------------

The following are the names, addresses, and telephone numbers of all brokers and sureties from whom BIDDER intends to procure insurance and bonds:

INCLUDE WITH BID

CONTRACT DOCUMENTS

CITY OF LEMOORE AGREEMENT

This Agreement made and entered into this ____ day of _____, 20____, by and between the CITY OF LEMOORE, hereinafter called "City", and _____ hereinafter called "Contractor".

WITNESSETH: That the parties hereto do mutually agree as follows:

ARTICLE I. That for and in consideration of the payments and agreements hereinafter mentioned, to be made and performed by the said party of the first part, and under the conditions expressed in the 2 bonds, bearing even date with these presents, and hereunto annexed, the said party of the second part agrees with the said party of the first part, at his own proper cost and expense, to do all the work and furnish all the materials, except such as are mentioned in the specifications to be furnished by said party of the first part, necessary to construct and complete in a good, workmanlike and substantial manner and to the satisfaction of the CITY OF LEMOORE, the work described in the special provisions and the project plans described below, including any addenda thereto, and also in conformance with the California Department of Transportation Standard Specifications Dated 2010 and Standard Plans Dated 2010, and the Labor Surcharge and Equipment Rental Rates in effect on the date the work is accomplished, which said special provisions, project plans, Standard Plans, Standard Specifications, and Labor Surcharge and Equipment Rental Rates are hereby specially referred to and by such reference made a part hereof.

The Special Provisions for the work to be done are entitled:

CITY OF LEMOORE NOTICE TO CONTRACTORS & SPECIAL PROVISIONS 2021 ANNUAL ROAD MAINTENANCE PROJECT IN LEMOORE, CALIFORNIA

Contractor shall, in accordance with the SPECIFICATIONS and drawings therefore, furnish at its own expense all labor, materials, equipment and services as required therefore, and to do everything required in this Agreement and the SPECIFICATIONS.

ARTICLE II. The City hereby employs said Contractor to perform the work according to the terms of this Agreement and the SPECIFICATIONS for price(s) named in Contractor's bid proposal (hereinafter "Proposal"), and agrees to pay the same at the time, in the manner, and upon the conditions set forth in the SPECIFICATIONS; and the parties for themselves, their heirs, executors, administrators, successors, and assigns, do hereby agree to the full performance of the covenants herein contained.

ARTICLE III. It is expressly agreed by and between the parties hereto that should there be any conflict between the terms of this Agreement and the Proposal of said Contractor, then this Agreement shall control and nothing herein shall be considered as an acceptance of the terms of said proposal conflicting herewith.

ARTICLE IV. Contractor acknowledges that State funds are being utilized to assist in the funding of the construction required in this Agreement and agrees that any required terms, conditions or covenants related to said federal funding not specifically made a part of this Agreement are hereby incorporated by this reference and shall be made a part of this Agreement.

ARTICLE V. Prior to starting construction under the terms of this Agreement, Contractor shall provide to the City a Faithful Performance Bond and the Labor Materials Bond, as required in the SPECIFICATIONS.

ARTICLE VI. Contractor and any subcontractors shall maintain all books, documents, papers, accounting records, and other evidence pertaining to the performance of this Agreement or the work to be provided for hereunder. All parties shall make such materials available at their respective offices as required in the SPECIFICATIONS.

ARTICLE VII. If any action at law or in equity, including an action for declaratory relief, is brought to enforce or interpret the provisions of this Agreement, the prevailing party will be entitled to reasonable attorneys' fees, which may be set by the court in the same action or in a separate action brought for that purpose, in addition to any other relief to which that party may be entitled.

ARTICLE VIII. In addition to any other Indemnification requirements in the SPECIFICATIONS, the Contractor agrees to indemnify, defend and save harmless the City, its officers, agents and employees from any and all claims and losses accruing or resulting to any and all contractors, subcontractors, materialmen, laborers and any other person, firm or corporation furnishing or supplying work services, materials or supplies in connection with the performance of this Agreement, and from any and all claims and losses accruing or resulting to any person, firm or corporation who may be injured or damaged by the Contractor in the performance of this Agreement, except such loss which was caused by the sole negligence or willful misconduct of the City.

ARTICLE IX. In addition to any other insurance provisions required in the SPECIFICATIONS, Contractor shall provide insurance to the City as set forth in Exhibits [1, 1-A, 2, 3, 4, 6, 11].

ARTICLE X. The Contractor, and the agents and employees of Contractor, in the performance of the Agreement, shall act in an independent capacity and not as officers or employees or agents of the City.

ARTICLE XI. The City may terminate this Agreement and be relieved of the payment of any consideration to Contractor should Contractor fail to perform the covenants herein contained or contained in the SPECIFICATIONS at the time and in the manner as required. In the event of such termination, the City may proceed with the work in any manner deemed proper by the City. The cost to the City shall be deducted from any sum due the Contractor under this Agreement, and the balance, if any, shall be paid to the Contractor upon demand.

ARTICLE XII. Without the written consent of the City, this Agreement is not assignable by Contractor either in whole or in part.

ARTICLE XIII. Time is of the essence in this Agreement.

ARTICLE XIV. No alteration or variation of the terms of this Agreement shall be valid unless made in writing and signed by the parties hereto; and no oral understanding or Agreement not incorporated herein shall be binding on any of the parties hereto.

ARTICLE XV. The City, contractor, sub recipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate.

ARTICLE XVI. By my signature hereunder, as Contractor, I certify that I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' 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 Agreement.

ARTICLE XVII. The Contractor agrees to comply with the State and Federal prevailing wage determinations (whichever is the higher of the two) in effect ten days prior to the bid opening of September 14, 2021. These wage determinations and regulations are considered a part of this agreement.

ARTICLE XVIII. The Contractor agrees: (1) To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels; and (2) To furnish within 20 days following the date of loading for shipments originating with the United State or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'onboard' commercial ocean bill-of-lading in English for each shipment of cargo described in this paragraph to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of

National Cargo, Office of Market Development, Maritime Administration, Washington, DC, 20590; and (3) To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

ARTICLE XIX. And the said Contractor agrees to receive and accept \$_____ as full compensation for furnishing all materials and for doing all the work contemplated and embraced in this agreement; also for all loss or damage, arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties or obstructions which may arise or be encountered in the prosecution of the work until its acceptance by the *CITY OF LEMOORE*, and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work and for well and faithfully completing the work, and the whole thereof, in the manner and according to the plans and specifications, and the requirements of the Engineer under them, to wit:

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first above written.

ATTEST:

CITY OF LEMOORE, CALIFORNIA

BY _____
Marisa Avalos
City Clerk, CITY OF LEMOORE

Nathan Olson
City Manager, CITY OF LEMOORE

“CONTRACTOR”

BY _____

(Title)

CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS

PAYMENT BOND

(Section 3247, Civil Code)

WHEREAS, The CITY OF LEMOORE, acting by and through the Department of Public Works, hereafter referred to as "Obligee", has awarded to Contractor _____, hereafter designated as the "Principal", a contract for the work described as follows:

AND WHEREAS, said Principal is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materialmen and other persons as provided by law.

NOW, THEREFORE, we the undersigned Principal and Surety are bound unto the Obligee in the sum of _____ dollars (\$ _____), lawful money of the United States of America, one hundred percent (100%) of the Agreement amount for which payment, we bind ourselves, jointly and severally.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if said Principal or its subcontractors shall fail to pay any of the persons named in Civil Code Section 3181, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by such claimant, or any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board for the wages of employees of the Principal and his subcontractors pursuant to Section 18806 of the Revenue and Taxation Code, with respect to such work and labor, that the surety herein will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any of the persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

Dated: _____, 20 ____

Correspondence or claims relating to this bond should be sent to the surety at the following address:

_____ Contractor

_____ Name of Surety (SEAL)
_____ By: Attorney-in-Fact

NOTE: Signatures of those executing for the surety must be properly acknowledged.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California
City/County of _____ SS

On this _____ day of _____ in the year 20 ____ before me

_____, personally appeared _____, *Attorney-in-fact*

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney-in-fact of _____, and acknowledged to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as attorney-in-fact.

(SEAL)

Notary Public

CITY OF LEMOORE
DEPARTMENT OF PUBLIC WORKS

PERFORMANCE BOND

(To Accompany Contract)

Bond No. _____

WHEREAS, the CITY OF LEMOORE, acting by and through the Department of Public Works, has awarded to Contractor _____, hereafter designated as the "Contractor", a contract for the work described as follows:

AND WHEREAS, the Contractor is required to furnish a bond in connection with said contract, guaranteeing the faithful performance thereof:

NOW, THEREFORE, we the undersigned Contractor and Surety are held firmly bound to the CITY OF LEMOORE in the sum of \$ _____ dollars (\$ _____), lawful money of the United States of America, one hundred percent (100%) of the Agreement amount, to be paid to said City or its certain attorney, its successors and assigns: for which payment, well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors or assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH,

That if the above bound Contractor, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the foregoing contract and any alteration thereof made as therein provided, on his or their part to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning, and shall indemnify and save harmless the CITY OF LEMOORE, its officers and agents, as therein stipulated, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and virtue.

IN WITNESS WHEREOF, We have hereunto set our hands and seals on this ____ day of _____, 20__.

Correspondence or claims relating to this bond should be sent to the surety at the following address:

Contractor

Name of Surety (SEAL)

By: Attorney-in-Fact

NOTE: Signatures of those executing for the surety must be properly acknowledged.

CERTIFICATE OF ACKNOWLEDGEMENT

State of California
City/County of _____ SS

On this ____ day of _____ in the year 20__ before me
_____, personally appeared _____,

Attorney-in-fact

personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument as the attorney-in-fact of _____, and acknowledged to me that he (she) subscribed the name of the said company thereto as surety, and his (her) own name as attorney-in-fact.

(SEAL)

Notary Public

GUARANTEE

CITY OF LEMOORE, Department of Public Works, LEMOORE, California:

In accordance with the terms of the Contract for the **2021 ANNUAL ROAD MAINTENANCE PROJECT** between the City of Lemoore (hereinafter referred to as City), and the undersigned which Contract provides for the installation of improvements per the plans and specifications for the above referenced project.

When the project is completed and accepted, we guarantee the same to be free from imperfect workmanship and/or materials and we agree to repair and/or replace at our own cost and expense, any and all such work and/or materials which may prove defective in workmanship or materials within a period of one year from the date of acceptance of the above named construction project, ordinary wear and tear or neglect excepted. We also agree to repair and/or replace at our own cost and expense any work and/or materials that we may disturb or displace in making good such defects.

Within twenty-four (24) hours after being notified in writing by the City or the City's representative, or the agent of either of them of any defects in said work or materials we agree to commence and prosecute with due diligence all work necessary to fulfill the terms of this guarantee and to complete the work within a reasonable period of time and in the event of our failure to so comply we collectively and expressly do hereby authorize the City and/or the City's representative, or the agent of either of them to proceed to have such work done at our expense and we will honor and pay the cost and charges therefore upon demand.

This guarantee is made expressly for and runs to the benefit of both the City of the above mentioned construction project and the City's representative and shall be enforceable by either of them.

Signature

Date: _____

Printed Name / Title

Company

Contractor's License Number / Expiration Date

Notary Required

			REQUEST NUMBER
CONTRACTOR NAME		COUNTY	ROUTE
BUSINESS ADDRESS		CONTRACT NUMBER	
CITY AND STATE	ZIP CODE	FEDERAL-AID PROJECT NUMBER. <i>(from special provisions)</i>	

SUBCONTRACTORS (Name, Business Address, Phone)	BID ITEM NUMBER(S)	PERCENTAGE OF BID ITEM SUBCONTRACTED	CHECK IF: (See Categories Below)			DESCRIBE WORK WHEN LESS THAN 100% OF WORK IS SUBCONTRACTED	DOLLAR AMOUNT BASED ON BID AMOUNT
			1	2	3		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		

Categories: **1 Specialty** **2 Listed Under Fair Practices Act** **3 Certified DBE/UDBE/DVBE**

I certify that:

- The *Standard Specifications* for labor set forth in the contract apply to the subcontracted work.
- If applicable, (federal-aid projects only) Section 14 (federal requirements) of the special provisions has been inserted in the subcontracts and will be incorporated in any lower-tier subcontract. Written contracts have been executed for the subcontracted work noted above.

CONTRACTOR'S SIGNATURE	DATE

This section is to be completed by the resident engineer.

1. Total of bid items				\$	
2. Specialty items previously approved (if applicable, see Note in the instructions)		\$			
3. Specialty items this request (if applicable, see Note in the instructions)		\$			
4. Total (lines 2 + 3)		\$			
5. Contractor must perform with own forces (lines 1 minus 4) x <input style="width: 40px;" type="text"/> %				\$	
6. Bid items previously subcontracted		\$			
7. Bid items subcontracted (this request)		\$			
8. Total (lines 6 + 7)		\$			
9. Balance of work contractor to perform (line 1 minus 8)				\$	

APPROVED	
RESIDENT ENGINEER'S SIGNATURE	DATE

COPY DISTRIBUTION: **Original** - Contractor **Copy** - Resident Engineer **Copy** - District Construction Office **Copy** - OBEO - smallbusinessadvocate@dot.ca.gov or FAX to (916) 324-1949

INSTRUCTIONS

All first-tier subcontractors must be included on a subcontracting request.

Before subcontracting work starts, the contractor will submit an original CEM-1201 according to the *Standard Specifications*. After approval, the RE returns the original to the contractor and complete the remaining distribution as listed on the bottom of the form.

When an entire item is subcontracted, show the contractor's bid price.

When a portion of an item is subcontracted, describe the portion and show the percentage of the bid item and value.

In August 2008, the *Standard Specifications* were amended to eliminate specialty items. Enter Zeros or applicable amounts for specialty items should be entered in lines 2 and 3 of this form, depending on whether the contract includes the amendment.

THIS FORM IS NOT TO BE USED FOR SUBSTITUTIONS OF SUBCONTRACTORS AND UDBE, DVBE OR SMALL BUSINESS ENTITIE

COMMERCIAL GENERAL LIABILITY INSURANCE (Exhibit 1-A)

**INSURER:
POLICY NUMBER:
INSURANCE COMPANY:**

THIS ENDORSEMENT CHANGES THE POLICY. PLEASE READ IT CAREFULLY.

--ADDITIONAL INSURED - OWNERS, LESSEES OR CONTRACTORS--

This endorsement modifies insurance provided under the following:

COMMERCIAL GENERAL LIABILITY COVERAGE PART.

SCHEDULE

Name of Organization

(If no entry appears above, the information required to complete this endorsement will be shown in the Declarations as applicable to this endorsement).

WHO IS AN INSURED (Section II) is amended to include as an insured the person or organization shown in the Schedule, but only with respect to liability arising out of "your work" for that insured by or for you.

----- Modifications to ISO form CG 20 10 11 85: -----

1. The insured scheduled above includes the Insured's officers, officials, employees and volunteers.
2. This insurance shall be primary as respects the insured shown in the schedule above, or if excess, shall stand in an unbroken chain of coverage excess of the Named Insured's scheduled underlying primary coverage. In either event, any other insurance maintained by the Insured scheduled above shall be in excess of this insurance and shall not be called upon to contribute with it.
3. The insurance afforded by this policy shall not be canceled except after thirty (30) days prior written notice by certified mail return receipt requested has been given to the City.

Signature - Authorized Representative

Address

AUTOMOBILE LIABILITY SPECIAL ENDORSEMENT (Exhibit 2)

Endorsement No. _____	Effective: _____
PRODUCER Telephone: _____	POLICY INFORMATION: Insurance Company: Policy Number: Policy Period: TM Deductible TM Self-Insured (check which) of \$ _____
NAMED INSURED:	APPLICABILITY. This insurance pertains to the operations of automobiles owned by or on behalf of the named insured under all written agreements and permits in force with the City checked here TM in which case, only the following specific agreements and permits with the City are covered: ENTITY AGREEMENTS/PERMITS
TYPE OF INSURANCE TM Business General Policy TM Other	OTHER PROVISIONS:
LIMIT OF LIABILITY \$ _____ per accident for bodily injury and property LOSS ADJUSTMENT EXPENSE TM Included in limits TM In Addition to limits	Claims: Underwriter's representative for claims pursuant to this insurance. Name: Address: Telephone:
In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached or any endorsement now or hereafter attached thereto, it is agreed as follows: 1. INSURED. The City, its officers, officials, employees, and volunteers are included as insured with regard to damages and defense of claims arising from the ownership, operation, maintenance, use loading or unloading of any auto owned, leased, hired, or borrowed by the Named insured, or for which the Named Insured is responsible. 2. CONTRIBUTION NOT REQUIRED. As respects work performed by the Named Insured for or on behalf of the City, the insurance afforded by this policy shall (a) be primary insurance as respects the City, its officers, officials, employees and volunteers; or (b) stand in an unbroken chain of coverage excess of the Named Insured's primary coverage. Any insurance or self-insurance maintained by the City, its officers, officials, employees, and volunteers shall be excess of the Named Insured's insurance and not contribute with it. 3. CANCELLATION NOTICE. With respect to the interests of the City, this insurance shall not be canceled, except after (30) day's prior written notice, by receipted delivery, has been given to the City. 4. SCOPE OF COVERAGE. This policy, if primary, affords coverage at least as broad as: (1) If primary, Insurance Services Office form number CA0001 (Ed.6/92), Code 1 ("any auto"); or (2) If excess, affords coverage which is at least as broad as the primary insurance forms referenced in the preceding section (1). Except as stated above, nothing herein shall be held to waive, alter, or extend any of the limits, conditions, agreements, or exclusions of the policy to which this endorsement is attached.	
ENDORSEMENT HOLDER	
ENTITY CITY OF LEMOORE 711 W Cinnamon Drive, Lemoore, CA	AUTHORIZED REPRESENTATIVE TM Broker/Agent TM Underwriter TM I _____ (print/type name), warrant that I have authority to bind the above mentioned insurance company and by my signature heron do so bind this company to this endorsement. Signature: _____ <div style="text-align: center;">(original signature required)</div> Telephone: _____ Date Signed: _____

WORKERS COMPENSATION AND EMPLOYER'S LIABILITY (Exhibit 3)

Endorsement No. Effective Date	
PRODUCER Telephone:	POLICY INFORMATION: This special endorsement is attached to and forms a part of the following insurance policy. Insurance Company: Policy Number: Policy Period:
NAMED INSURED	OTHER PROVISIONS
Claims: Underwriter's representative for claims pursuant to this insurance. Name: Address: Telephone:	EMPLOYERS LIABILITY LIMITS \$ _____ Each Accident \$ _____ Disease - Policy Limit \$ _____ Disease - Each Employee
In consideration of the premium charged and notwithstanding any inconsistent statement in the policy to which this endorsement is attached of any endorsement now or hereafter attached thereto, it is agreed as follows:	
1. CANCELLATION NOTICE. This Insurance shall not be canceled, except after thirty (30) days prior written notice, by receipted delivery, has been given to the City.	
2. WAIVER OF SUBROGATION. This Insurance Company agrees to waive all rights of subrogation against the City, its officers, officials, employees, and volunteers for losses paid under the terms of this policy which arise from the work performed by the Named Insured for the City.	
Except as stated above, nothing herein shall be held to waive, alter, or extend any of the limits, conditions, agreements, or exclusions of the policy to which this endorsement is attached.	
ENDORSEMENT HOLDER	
ENTITY CITY OF LEMOORE 711 W Cinnamon Drive, Lemoore, CA	AUTHORIZED REPRESENTATIVE <small>™ Broker/Agent ™ Underwriter ™</small> I _____ (print/type name), warrant that I have authority to bind the above mentioned insurance company and by my signature heron do so bind this company to this endorsement. Signature: _____ <div style="text-align: center;">(original signature required)</div> Telephone: _____ Date Signed: _____

CERTIFICATE OF INSURANCE (Exhibit 4)

Issue Date:									
PRODUCER	This certificate of insurance is not an insurance policy and does not amend extend or alter the coverage afforded by the policies below.								
INSURED	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Companies</td> <td style="text-align: right;">Best's Rating</td> </tr> <tr> <td>Company Letter A</td> <td>_____</td> </tr> <tr> <td>Company Letter B</td> <td>_____</td> </tr> <tr> <td>Company Letter C</td> <td>_____</td> </tr> </table>	Companies	Best's Rating	Company Letter A	_____	Company Letter B	_____	Company Letter C	_____
Companies	Best's Rating								
Company Letter A	_____								
Company Letter B	_____								
Company Letter C	_____								

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 used or 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.

CO LTR	Type of Insurance	Policy Number	Policy Effective date (mm/dd/yy)	Policy Expiration Date (mm/dd/yy)	All units in thousands	
	General Liability <small>™ Commercial General Liability</small> <small>™ Claims Made</small> <small>™ Occur.</small> <small>™ Owners & Contractor's</small> <small>™ Other</small>				General Aggregate	\$
		Products-Comp/Op Agg	\$			
		Personal & Adv. Injury	\$			
		Each Occurrence	\$			
		Fire Damage (any one fire)	\$			
		Med. Exp. (any one person)	\$			
	Automobile Liability <small>™ Any Auto</small> <small>™ All Owned Autos</small> <small>™ Scheduled Autos</small> <small>™ Hired Autos</small> <small>™ Non-Owned Autos</small> <small>™ Garage Utility</small>				Combined Single Limit	\$
		Bodily Injury (per person)	\$			
		Bodily Injury (per accident)	\$			
		Property Damage	\$			
	Excess Liability <small>™ Umbrella Form</small> <small>™ Other Than Umbrella</small>				Each Occurrence	\$
		Aggregate	\$			
	Worker's Compensation and Employer's Liability				Statutory	\$
		Each Accident	\$			
		Disease Policy Limit	\$			
		Disease Each Employee	\$			
	Other				Amount of Insurance	\$

Description of operations/locations/vehicles/restrictions/special items:

THE FOLLOWING PROVISIONS APPLY:

1. None of the above described policies will be canceled until after 30 days written notice has been given to the City at the address indicated below.
2. The City, its officials, officers, employees and volunteers are added as insured on all liability insurance policies listed above.
3. It is agreed that any insurance or self-insurance maintained by the City will apply in excess of and not contribute with the insurance described above.
4. The City is named a loss payee on the property insurance policies described above, if any.
5. All rights of subrogation under the property insurance policy listed above have been waived against the City.
6. The workers' compensation insurer named above, if any, agrees to waive all rights of subrogation against the City for injuries to employees of the insured resulting from work for the City or use of the City's premises or facilities.

CERTIFICATE HOLDER/ADDITIONAL INSURED: CITY OF LEMOORE 711 W Cinnamon Drive, Lemoore, CA	AUTHORIZED REPRESENTATIVE Signature _____ Title _____ Phone No. _____
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INSURANCE REQUIREMENTS FOR CONTRACTORS (Exhibit 6)

(with Construction Risks)

Contractor shall procure and maintain for the duration of the contract insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder by the Contractor, his agents, representatives, employees or subcontractors.

Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. Insurance Services Office Commercial General Liability coverage (occurrence form CG 00 01 11 88).
2. Insurance Services Office form number CA 00 01 06 92 covering Automobile Liability, code 1 (any auto).
3. Workers' Compensation Insurance as required by the State of California and Employer's Liability Insurance.
4. Course of Construction insurance covering for all risks of loss.

Minimum Limits of Insurance

Contractor shall maintain limits no less than:

1. General Liability: \$2,000,000.00 per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.
2. Automobile Liability: \$2,000,000.00 per accident for bodily injury and property damage.
3. Employer's Liability: \$1,000,000.00 per accident for bodily injury or disease.
4. Course of Construction: Completed value of the project.

Deductibles and Self-Insured Retentions

Any deductibles or self-insured retentions must be declared to and approved by the City. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, officials, employees and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.

Other Insurance Provisions

The general liability and automobile liability policies are to contain, or be endorsed to contain, the following provisions:

1. The City, its officers, officials, employees, and volunteers are to be covered as insured's with respect to liability arising out of automobiles owned, lease, hired or borrowed by or on behalf of the contractor; and with respect to liability arising out of work or operations performed by or on behalf of the Contractor including materials, parts or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the Contractor's insurance, or as a separate owner's policy.
2. For any claims related to this project, the Contractor's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
3. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the City.

Course of construction policies shall contain the following provisions:

1. The City shall be named as loss payee.
2. The insurer shall waive all rights of subrogation against the City.

Acceptability of Insurers

Insurance is to be placed with insurers with a current A.M. Best's rating of no less than A: VII.

Verification of Coverage

Contractor shall furnish the City with original certificates and amendatory endorsements effecting coverage required by this clause. The endorsements should be on forms provided by the City or on other than the City's forms, provided those endorsements or policies conform to the requirements. All certificates and endorsements are to be received and approved by the City before work commences. The City reserves the right to require complete, certified copies of all required insurance policies, including endorsements affecting the coverage required by these specifications at any time

Subcontractors

Contractor shall include all subcontractors as insured under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverage's for subcontractors shall be subject to all the requirements stated herein.

UNDERWRITER/BROKER CERTIFICATION (Exhibit 11)

City: _____

City project identification: _____

Contractor providing contractual services: _____

Insurer(s): _____

Best rating(s): _____

Name and title of underwriter, broker, or agent completing certification: _____

I, the undersigned insurance underwriter, insurance broker, or agent do hereby certify that I have examined the insurance requirements prepared by the City for the above referenced project and have attached herewith certificates of insurance and all endorsements specified in the insurance requirements on forms provided by the City.

I further certify that the coverage's provided to the Contractor and described in the certificates of insurance conform in all respects to the requirements set forth in the insurance requirements, including, but not limited to the following considerations:

1. The scope of insurance is at least as broad as the minimum requirements identified in the insurance requirements;
2. The minimum occurrence limits and aggregate limits of insurance are consistent with those set forth in the insurance requirements;
3. All deductibles and/or self-insured retentions have been declared;
4. All required endorsements identified in the insurance requirements have been provided and copies have been attached to the appropriate certificate of insurance;
5. All policies of insurance have been placed with insurers with a current rating from the A.M. Best Company of not less than A: VII;
6. All endorsements have been signed by a person authorized by the insurer to bind coverage on its behalf.

The coverage's provided to the Contractor do not conform in all respects to the requirements set forth in the insurance requirements. An explanation of each and every variance from the requirements and an evaluation of the relative risk exposures and protections to the City and the Contractor are attached.

I understand that the City will not authorize the Contractor to initiate work on behalf of the City until this certification has been fully executed and returned to the City.

Signature

Date

Name of Company

Business Address and Phone Number

FEDERAL MINIMUM WAGE RATES

General Decision Number: CA180031 07/20/2018 CA31

Superseded General Decision Number: CA20170031

State: California

Construction Types: Building, Heavy (Heavy and Dredging) and Highway

Counties: Inyo, Kern and Mono Counties in California.

BUILDING CONSTRUCTION PROJECTS; DREDGING PROJECTS (does not include hopper dredge work); HEAVY CONSTRUCTION PROJECTS (does not include water well drilling); HIGHWAY CONSTRUCTION PROJECTS.

Note: Under Executive Order (EO) 13658, an hourly minimum wage of \$10.35 for calendar year 2018 applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least \$10.35 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2018. The EO minimum wage rate will be adjusted annually. Please note that this EO applies to the above-mentioned types of contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but it does not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(2)-(60). Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number Publication Date

0	01/05/2018
1	01/12/2018
2	01/19/2018
3	01/26/2018
4	02/09/2018
5	03/02/2018
6	04/06/2018
7	05/04/2018
8	05/18/2018
9	06/15/2018
10	06/29/2018

11 07/06/2018
 12 07/13/2018
 13 07/20/2018

ASBE0005-001 07/03/2017

INYO AND KERN

	Rates	Fringes
Fire Stop Technician (Application of Firestopping Materials for wall openings and penetrations in walls, floors, ceilings and curtain walls).....\$ 26.96		17.81
Insulator/asbestos worker (Includes the application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems).....\$ 39.72		20.80

 ASBE0005-005 07/03/2017

INYO AND KERN

	Rates	Fringes
Asbestos Removal worker/hazardous material handler (Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials from mechanical systems, whether they contain asbestos or not)....\$ 19.26		11.27

 ASBE0016-003 01/01/2018

MONO

	Rates	Fringes
Asbestos Workers/Insulator (Includes the application of all insulating materials, protective coverings, coatings, and finishes to all		

types of mechanical systems).....\$ 49.46 22.98

BOIL0092-005 03/01/2018

INYO AND KERN

Rates Fringes

BOILERMAKER.....\$ 44.07 33.52

BOIL0549-003 10/01/2016

MONO COUNTY

Rates Fringes

BOILERMAKER.....\$ 39.68 35.71

* BRCA0004-005 05/01/2018

Rates Fringes

BRICKLAYER; MARBLE SETTER.....\$ 39.92 14.15

*The wage scale for prevailing wage projects performed in Blythe, China lake, Death Valley, Fort Irwin, Twenty-Nine Palms, Needles and 1-15 corridor (Barstow to the Nevada State Line) will be Three Dollars (\$3.00) above the standard San Bernardino/Riverside County hourly wage rate

BRCA0018-010 09/01/2017

Rates Fringes

TERRAZZO FINISHER.....\$ 29.75 12.91

TERRAZZO WORKER/SETTER.....\$ 36.75 13.82

BRCA0018-011 07/01/2017

Rates Fringes

TILE LAYER.....\$ 37.76 16.37

BRCA0018-012 07/01/2017

KERN

Rates Fringes

MARBLE FINISHER.....\$ 30.93 12.95

TILE FINISHER.....\$ 25.98 11.23

CARP0409-002 07/01/2016

Rates Fringes

Diver

(1) Wet.....\$ 712.48 17.03
(2) Standby.....\$ 356.24 17.03
(3) Tender.....\$ 348.24 17.03
(4) Assistant Tender.....\$ 324.24 17.03

Amounts in "Rates" column are per day

CARP0409-005 07/01/2015

Rates Fringes

Drywall

DRYWALL INSTALLER/LATHER....\$ 40.40 15.03
STOCKER/SCRAPPER.....\$ 10.00 7.17

CARP0409-006 07/01/2016

Rates Fringes

CARPENTER

(01) Carpenter, cabinet
installer, insulation
installer, floor worker
and acoustical installer....\$ 39.83 15.50
(02) Millwright.....\$ 40.90 15.50
(03) Piledrivermen;
Derrick barge; Bridge or
Dock Carpenter; Heavy
framer; Rockslinger; Rock
Bargeman; Scowman.....\$ 40.53 15.50
(04) Shingler (Commercial).\$ 36.91 15.50
(05) Table Power Saw
Operator.....\$ 36.88 15.50
(06) Pneumatic Nailer or
Power Stapler.....\$ 37.03 15.50
(07) Roof Loader of
Shingles (Commercial).....\$ 25.84 15.50
(08) Saw Filer.....\$ 36.87 15.50
(09) Scaffold Builder.....\$ 28.55 15.50

FOOTNOTE: Work of forming in the construction of open cut
sewers or storm drains, on operations in which horizontal
lagging is used in conjunction with steel H-Beams driven or
placed in pre-drilled holes, for that portion of a lagged

trench against which concrete is poured, namely, as a substitute for back forms (which work is performed by piledrivers): \$0.13 per hour additional.

 ELEC0428-001 12/01/2017

Rates Fringes

CABLE SPLICER

China Lake Naval Weapons		
Center, Edwards AFB.....	\$ 51.02	3%+19.39
Remainder of Kern County....	\$ 44.77	3%+19.39

ELECTRICIAN

China Lake Naval Weapons		
Center, Edwards AFB.....	\$ 46.95	3%+19.39
Remainder of Kern County....	\$ 40.70	3%+19.39

 ELEC0428-003 01/01/2018

COMMUNICATIONS AND SYSTEMS WORK

KERN COUNTY

Rates Fringes

Communications System

Installer		
China Lake Naval Weapons		
Center, Edwards AFB.....	\$ 34.69	15.53
KERN COUNTY.....	\$ 31.56	15.44

SCOPE OF WORK:

Installation, testing, service and maintenance of systems utilizing the transmission and/or transference of voice, sound, vision and digital for commercial, educational, security and entertainment purposes for the following: TV monitoring and surveillance, background-foreground music, intercom and telephone interconnect, inventory control systems, microwave transmission, multi-media, multiplex, nurse call systems, radio page, school intercom and sound, burglar alarms, fire alarm (see last paragraph below) and low voltage master clock systems in commercial buildings. Communication Systems that transmit or receive information and/or control systems that are intrinsic to the above listed systems; inclusion or exclusion of terminations and testings of conductors determined by their function; excluding all other data systems or multiple systems which include control function or power supply; excluding installation of raceway systems, conduit systems, line voltage work, and energy management systems. Fire alarm

work shall be performed at the current inside wireman total cost package.

ELEC0477-001 06/01/2018

INYO AND MONO

	Rates	Fringes
ELECTRICIAN.....	\$ 38.29	3%+24.24

CABLE SPLICER: \$1.50 above Electrician.
TUNNEL WORK: 10% above Electrician.

ELEC1245-001 06/01/2018

	Rates	Fringes
LINE CONSTRUCTION		
(1) Lineman; Cable splicer..	\$ 56.79	17.91
(2) Equipment specialist (operates crawler tractors, commercial motor vehicles, backhoes, trenchers, cranes (50 tons and below), overhead & underground distribution line equipment).....	\$ 45.36	16.74
(3) Groundman.....	\$ 34.68	16.36
(4) Powderman.....	\$ 49.55	3%+17.65

HOLIDAYS: New Year's Day, M.L. King Day, Memorial Day,
Independence Day, Labor Day, Veterans Day, Thanksgiving Day
and day after Thanksgiving, Christmas Day

ELEV0018-001 01/01/2018

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 53.85	32.645

FOOTNOTE:

PAID VACATION: Employer contributes 8% of regular hourly rate as vacation pay credit for employees with more than 5 years of service, and 6% for 6 months to 5 years of service.
PAID HOLIDAYS: New Years Day, Memorial Day, Independence Day, Labor Day, Veterans Day, Thanksgiving Day, Friday after Thanksgiving, and Christmas Day.

* ENGI0012-003 07/01/2018

Rates Fringes

OPERATOR: Power Equipment
(All Other Work)

GROUP 1.....	\$ 45.30	25.25
GROUP 2.....	\$ 46.08	25.25
GROUP 3.....	\$ 46.37	25.25
GROUP 4.....	\$ 47.86	25.25
GROUP 5.....	\$ 48.96	25.25
GROUP 6.....	\$ 48.08	25.25
GROUP 8.....	\$ 48.19	25.25
GROUP 9.....	\$ 49.29	25.25
GROUP 10.....	\$ 48.31	25.25
GROUP 11.....	\$ 49.41	25.25
GROUP 12.....	\$ 48.48	25.25
GROUP 13.....	\$ 48.58	25.25
GROUP 14.....	\$ 48.61	25.25
GROUP 15.....	\$ 48.69	25.25
GROUP 16.....	\$ 48.81	25.25
GROUP 17.....	\$ 48.98	25.25
GROUP 18.....	\$ 49.08	25.25
GROUP 19.....	\$ 49.19	25.25
GROUP 20.....	\$ 49.31	25.25
GROUP 21.....	\$ 49.48	25.25
GROUP 22.....	\$ 49.58	25.25
GROUP 23.....	\$ 49.69	25.25
GROUP 24.....	\$ 49.81	25.25
GROUP 25.....	\$ 49.98	25.25

OPERATOR: Power Equipment
(Cranes, Piledriving &
Hoisting)

GROUP 1.....	\$ 46.65	25.25
GROUP 2.....	\$ 47.43	25.25
GROUP 3.....	\$ 47.72	25.25
GROUP 4.....	\$ 47.86	25.25
GROUP 5.....	\$ 48.08	25.25
GROUP 6.....	\$ 48.19	25.25
GROUP 7.....	\$ 48.31	25.25
GROUP 8.....	\$ 48.48	25.25
GROUP 9.....	\$ 48.65	25.25
GROUP 10.....	\$ 49.65	25.25
GROUP 11.....	\$ 50.65	25.25
GROUP 12.....	\$ 51.65	25.25
GROUP 13.....	\$ 52.65	25.25

OPERATOR: Power Equipment
(Tunnel Work)

GROUP 1.....	\$ 47.15	25.25
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GROUP 2.....	\$ 47.93	25.25
GROUP 3.....	\$ 48.22	25.25
GROUP 4.....	\$ 48.39	25.25
GROUP 5.....	\$ 48.58	25.25
GROUP 6.....	\$ 48.69	25.25
GROUP 7.....	\$ 48.81	25.25

PREMIUM PAY:

\$3.75 per hour shall be paid on all Power Equipment Operator work on the following Military Bases: China Lake Naval Reserve, Vandenberg AFB, Point Arguello, Seely Naval Base, Fort Irwin, Nebo Annex Marine Base, Marine Corp Logistics Base Yermo, Edwards AFB, 29 Palms Marine Base and Camp Pendleton

Workers required to suit up and work in a hazardous material environment: \$2.00 per hour additional. Combination mixer and compressor operator on gunite work shall be classified as a concrete mobile mixer operator.

SEE ZONE DEFINITIONS AFTER CLASSIFICATIONS

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Bargeman; Brakeman; Compressor operator; Ditch Witch, with seat or similar type equipment; Elevator operator-inside; Engineer Oiler; Forklift operator (includes loed, lull or similar types under 5 tons; Generator operator; Generator, pump or compressor plant operator; Pump operator; Signalman; Switchman

GROUP 2: Asphalt-rubber plant operator (nurse tank operator); Concrete mixer operator-skip type; Conveyor operator; Fireman; Forklift operator (includes loed, lull or similar types over 5 tons; Hydrostatic pump operator; oiler crusher (asphalt or concrete plant); Petromat laydown machine; PJU side dum jack; Screening and conveyor machine operator (or similar types); Skiploader (wheel type up to 3/4 yd. without attachment); Tar pot fireman; Temporary heating plant operator; Trenching machine oiler

GROUP 3: Asphalt-rubber blend operator; Bobcat or similar type (Skid steer); Equipment greaser (rack); Ford Ferguson (with dragtype attachments); Helicopter radioman (ground); Stationary pipe wrapping and cleaning machine operator

GROUP 4: Asphalt plant fireman; Backhoe operator (mini-max or similar type); Boring machine operator; Boxman or mixerman (asphalt or concrete); Chip spreading machine operator; Concrete cleaning decontamination machine operator; Concrete Pump Operator (small portable); Drilling machine

operator, small auger types (Texoma super economic or similar types - Hughes 100 or 200 or similar types - drilling depth of 30' maximum); Equipment greaser (grease truck); Guard rail post driver operator; Highline cableway signalman; Hydra-hammer-aero stomper; Micro Tunneling (above ground tunnel); Power concrete curing machine operator; Power concrete saw operator; Power-driven jumbo form setter operator; Power sweeper operator; Rock Wheel Saw/Trencher; Roller operator (compacting); Screed operator (asphalt or concrete); Trenching machine operator (up to 6 ft.); Vacuum or much truck

GROUP 5: Equipment Greaser (Grease Truck/Multi Shift).

GROUP 6: Articulating material hauler; Asphalt plant engineer; Batch plant operator; Bit sharpener; Concrete joint machine operator (canal and similar type); Concrete planer operator; Dandy digger; Deck engine operator; Derrickman (oilfield type); Drilling machine operator, bucket or auger types (Calweld 100 bucket or similar types - Watson 1000 auger or similar types - Texoma 330, 500 or 600 auger or similar types - drilling depth of 45' maximum); Drilling machine operator; Hydrographic seeder machine operator (straw, pulp or seed), Jackson track maintainer, or similar type; Kalamazoo Switch tamper, or similar type; Machine tool operator; Maginnis internal full slab vibrator, Mechanical berm, curb or gutter (concrete or asphalt); Mechanical finisher operator (concrete, Clary-Johnson-Bidwell or similar); Micro tunnel system (below ground); Pavement breaker operator (truck mounted); Road oil mixing machine operator; Roller operator (asphalt or finish), rubber-tired earth moving equipment (single engine, up to and including 25 yds. struck); Self-propelled tar pipelining machine operator; Skiploader operator (crawler and wheel type, over 3/4 yd. and up to and including 1-1/2 yds.); Slip form pump operator (power driven hydraulic lifting device for concrete forms); Tractor operator-bulldozer, tamper-scraper (single engine, up to 100 h.p. flywheel and similar types, up to and including D-5 and similar types); Tugger hoist operator (1 drum); Ultra high pressure waterjet cutting tool system operator; Vacuum blasting machine operator

GROUP 8: Asphalt or concrete spreading operator (tamping or finishing); Asphalt paving machine operator (Barber Greene or similar type); Asphalt-rubber distribution operator; Backhoe operator (up to and including 3/4 yd.), small ford, Case or similar; Cast-in-place pipe laying machine operator; Combination mixer and compressor operator (gunite work); Compactor operator (self-propelled); Concrete mixer operator (paving); Crushing plant operator; Drill Doctor;

Drilling machine operator, Bucket or auger types (Calweld 150 bucket or similar types - Watson 1500, 2000 2500 auger or similar types - Texoma 700, 800 auger or similar types - drilling depth of 60' maximum); Elevating grader operator; Grade checker; Gradall operator; Grouting machine operator; Heavy-duty repairman; Heavy equipment robotics operator; Kalamazoo balliste regulator or similar type; Kolman belt loader and similar type; Le Tourneau blob compactor or similar type; Loader operator (Athey, Euclid, Sierra and similar types); Mobark Chipper or similar; Ozzie padder or similar types; P.C. slot saw; Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pumpcrete gun operator; Rock Drill or similar types; Rotary drill operator (excluding caisson type); Rubber-tired earth-moving equipment operator (single engine, caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator (multiple engine up to and including 25 yds. struck); Rubber-tired scraper operator (self-loading paddle wheel type-John Deere, 1040 and similar single unit); Self-propelled curb and gutter machine operator; Shuttle buggy; Skiploader operator (crawler and wheel type over 1-1/2 yds. up to and including 6-1/2 yds.); Soil remediation plant operator; Surface heaters and planer operator; Tractor compressor drill combination operator; Tractor operator (any type larger than D-5 - 100 flywheel h.p. and over, or similar-bulldozer, tamper, scraper and push tractor single engine); Tractor operator (boom attachments), Traveling pipe wrapping, cleaning and bending machine operator; Trenching machine operator (over 6 ft. depth capacity, manufacturer's rating); trenching Machine with Road Miner attachment (over 6 ft depth capacity); Ultra high pressure waterjet cutting tool system mechanic; Water pull (compaction) operator

GROUP 9: Heavy Duty Repairman

GROUP 10: Drilling machine operator, Bucket or auger types (Calweld 200 B bucket or similar types-Watson 3000 or 5000 auger or similar types-Texoma 900 auger or similar types-drilling depth of 105' maximum); Dual drum mixer, dynamic compactor LDC350 (or similar types); Monorail locomotive operator (diesel, gas or electric); Motor patrol-blade operator (single engine); Multiple engine tractor operator (Euclid and similar type-except Quad 9 cat.); Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Pneumatic pipe ramming tool and similar types; Prestressed wrapping machine operator; Rubber-tired earth-moving equipment operator (single engine, over 50 yds. struck); Rubber tired earth moving

equipment operator (multiple engine, Euclid, caterpillar and similar over 25 yds. and up to 50 yds. struck), Tower crane repairman; Tractor loader operator (crawler and wheel type over 6-1/2 yds.); Woods mixer operator (and similar Pugmill equipment)

GROUP 11: Heavy Duty Repairman - Welder Combination, Welder - Certified.

GROUP 12: Auto grader operator; Automatic slip form operator; Drilling machine operator, bucket or auger types (Calweld, auger 200 CA or similar types - Watson, auger 6000 or similar types - Hughes Super Duty, auger 200 or similar types - drilling depth of 175' maximum); Hoe ram or similar with compressor; Mass excavator operator less than 750 cu. yards; Mechanical finishing machine operator; Mobile form traveler operator; Motor patrol operator (multi-engine); Pipe mobile machine operator; Rubber-tired earth-moving equipment operator (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck); Rubber-tired self-loading scraper operator (paddle-wheel-auger type self-loading - two (2) or more units)

GROUP 13: Rubber-tired earth-moving equipment operator operating equipment with push-pull system (single engine, up to and including 25 yds. struck)

GROUP 14: Canal liner operator; Canal trimmer operator; Remote-control earth-moving equipment operator (operating a second piece of equipment: \$1.00 per hour additional); Wheel excavator operator (over 750 cu. yds.)

GROUP 15: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine-up to and including 25 yds. struck)

GROUP 16: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 17: Rubber-tired earth-moving equipment operator, operating equipment with push-pull system (multiple engine, Euclid, Caterpillar and similar, over 50 cu. yds. struck); Tandem tractor operator (operating crawler type tractors in

tandem - Quad 9 and similar type)

GROUP 18: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, up to and including 25 yds. struck)

GROUP 19: Rotex concrete belt operator (or similar types); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 cu. yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, up to and including 25 yds. struck)

GROUP 20: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps, and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 21: Rubber-tired earth-moving equipment operator, operating in tandem (scrapers, belly dumps and similar types in any combination, excluding compaction units - multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

GROUP 22: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, up to and including 25 yds. struck)

GROUP 23: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, Caterpillar, Euclid, Athey Wagon and similar types with any and all attachments over 25 yds. and up to and including 50 yds. struck); Rubber-tired earth-moving equipment operator, operating with the tandem push-pull system (multiple engine, up to and including 25 yds. struck)

GROUP 24: Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (single engine, over 50 yds. struck); Rubber-tired earth-moving equipment operator, operating equipment with

the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar, over 25 yds. and up to 50 yds. struck)

GROUP 25: Concrete pump operator-truck mounted; Rubber-tired earth-moving equipment operator, operating equipment with the tandem push-pull system (multiple engine, Euclid, Caterpillar and similar type, over 50 cu. yds. struck)

CRANES, PILEDIVING AND HOISTING EQUIPMENT CLASSIFICATIONS

GROUP 1: Engineer oiler; Fork lift operator (includes loed, lull or similar types)

GROUP 2: Truck crane oiler

GROUP 3: A-frame or winch truck operator; Ross carrier operator (jobsite)

GROUP 4: Bridge-type unloader and turntable operator; Helicopter hoist operator

GROUP 5: Hydraulic boom truck; Stinger crane (Austin-Western or similar type); Tugger hoist operator (1 drum)

GROUP 6: Bridge crane operator; Cretor crane operator; Hoist operator (Chicago boom and similar type); Lift mobile operator; Lift slab machine operator (Vagtborg and similar types); Material hoist and/or manlift operator; Polar gantry crane operator; Self Climbing scaffold (or similar type); Shovel, backhoe, dragline, clamshell operator (over 3/4 yd. and up to 5 cu. yds. mrc); Tugger hoist operator

GROUP 7: Pedestal crane operator; Shovel, backhoe, dragline, clamshell operator (over 5 cu. yds. mrc); Tower crane repair; Tugger hoist operator (3 drum)

GROUP 8: Crane operator (up to and including 25 ton capacity); Crawler transporter operator; Derrick barge operator (up to and including 25 ton capacity); Hoist operator, stiff legs, Guy derrick or similar type (up to and including 25 ton capacity); Shovel, backhoe, dragline, clamshell operator (over 7 cu. yds., M.R.C.)

GROUP 9: Crane operator (over 25 tons and up to and including 50 tons mrc); Derrick barge operator (over 25 tons up to and including 50 tons mrc); Highline cableway operator; Hoist operator, stiff legs, Guy derrick or similar type (over 25 tons up to and including 50 tons mrc); K-crane operator; Polar crane operator; Self erecting tower crane operator maximum lifting capacity ten tons

GROUP 10: Crane operator (over 50 tons and up to and including 100 tons mrc); Derrick barge operator (over 50 tons up to and including 100 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 50 tons up to and including 100 tons mrc), Mobile tower crane operator (over 50 tons, up to and including 100 tons M.R.C.); Tower crane operator and tower gantry

GROUP 11: Crane operator (over 100 tons and up to and including 200 tons mrc); Derrick barge operator (over 100 tons up to and including 200 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 100 tons up to and including 200 tons mrc); Mobile tower crane operator (over 100 tons up to and including 200 tons mrc)

GROUP 12: Crane operator (over 200 tons up to and including 300 tons mrc); Derrick barge operator (over 200 tons up to and including 300 tons mrc); Hoist operator, stiff legs, Guy derrick or similar type (over 200 tons, up to and including 300 tons mrc); Mobile tower crane operator (over 200 tons, up to and including 300 tons mrc)

GROUP 13: Crane operator (over 300 tons); Derrick barge operator (over 300 tons); Helicopter pilot; Hoist operator, stiff legs, Guy derrick or similar type (over 300 tons); Mobile tower crane operator (over 300 tons)

TUNNEL CLASSIFICATIONS

GROUP 1: Skiploader (wheel type up to 3/4 yd. without attachment)

GROUP 2: Power-driven jumbo form setter operator

GROUP 3: Dinkey locomotive or motorperson (up to and including 10 tons)

GROUP 4: Bit sharpener; Equipment greaser (grease truck); Slip form pump operator (power-driven hydraulic lifting device for concrete forms); Tugger hoist operator (1 drum); Tunnel locomotive operator (over 10 and up to and including 30 tons)

GROUP 5: Backhoe operator (up to and including 3/4 yd.); Small Ford, Case or similar; Drill doctor; Grouting machine operator; Heading shield operator; Heavy-duty repairperson; Loader operator (Athey, Euclid, Sierra and similar types); Mucking machine operator (1/4 yd., rubber-tired, rail or track type); Pneumatic concrete placing machine operator (Hackley-Presswell or similar type); Pneumatic heading

shield (tunnel); Pumpcrete gun operator; Tractor compressor
drill combination operator; Tugger hoist operator (2 drum);
Tunnel locomotive operator (over 30 tons)

GROUP 6: Heavy Duty Repairman

GROUP 7: Tunnel mole boring machine operator

ENGINEERS ZONES

\$1.00 additional per hour for all of IMPERIAL County and the portions of KERN, RIVERSIDE & SAN BERNARDINO Counties as defined below:

That area within the following Boundary: Begin in San Bernardino County, approximately 3 miles NE of the intersection of I-15 and the California State line at that point which is the NW corner of Section 1, T17N,m R14E, San Bernardino Meridian. Continue W in a straight line to that point which is the SW corner of the northwest quarter of Section 6, T27S, R42E, Mt. Diablo Meridian. Continue North to the intersection with the Inyo County Boundary at that point which is the NE corner of the western half of the northern quarter of Section 6, T25S, R42E, MDM. Continue W along the Inyo and San Bernardino County boundary until the intersection with Kern County, as that point which is the SE corner of Section 34, T24S, R40E, MDM. Continue W along the Inyo and Kern County boundary until the intersection with Tulare County, at that point which is the SW corner of the SE quarter of Section 32, T24S, R37E, MDM. Continue W along the Kern and Tulare County boundary, until that point which is the NW corner of T25S, R32E, MDM. Continue S following R32E lines to the NW corner of T31S, R32E, MDM. Continue W to the NW corner of T31S, R31E, MDM. Continue S to the SW corner of T32S, R31E, MDM. Continue W to SW corner of SE quarter of Section 34, T32S, R30E, MDM. Continue S to SW corner of T11N, R17W, SBM. Continue E along south boundary of T11N, SBM to SW corner of T11N, R7W, SBM. Continue S to SW corner of T9N, R7W, SBM. Continue E along south boundary of T9N, SBM to SW corner of T9N, R1E, SBM. Continue S along west boundary of R1E, SMB to Riverside County line at the SW corner of T1S, R1E, SBM. Continue E along south boundary of T1s, SBM (Riverside County Line) to SW corner of T1S, R10E, SBM. Continue S along west boundary of R10E, SBM to Imperial County line at the SW corner of T8S, R10E, SBM. Continue W along Imperial and Riverside county line to NW corner of T9S, R9E, SBM. Continue S along the boundary between Imperial and San Diego Counties, along the west edge of R9E, SBM to the south boundary of Imperial County/California state line. Follow the California state line west to Arizona state line, then north to Nevada state line, then continuing NW back to start at the point which is the NW corner of Section 1,

T17N, R14E, SBM

\$1.00 additional per hour for portions of SAN LUIS OBISPO, KERN, SANTA BARBARA & VENTURA as defined below:

That area within the following Boundary: Begin approximately 5 miles north of the community of Cholame, on the Monterey County and San Luis Obispo County boundary at the NW corner of T25S, R16E, Mt. Diablo Meridian. Continue south along the west side of R16E to the SW corner of T30S, R16E, MDM. Continue E to SW corner of T30S, R17E, MDM. Continue S to SW corner of T31S, R17E, MDM. Continue E to SW corner of T31S, R18E, MDM. Continue S along West side of R18E, MDM as it crosses into San Bernardino Meridian numbering area and becomes R30W. Follow the west side of R30W, SBM to the SW corner of T9N, R30W, SBM. Continue E along the south edge of T9N, SBM to the Santa Barbara County and Ventura County boundary at that point which is the SW corner of Section 34. T9N, R24W, SBM, continue S along the Ventura County line to that point which is the SW corner of the SE quarter of Section 32, T7N, R24W, SBM. Continue E along the south edge of T7N, SBM to the SE corner to T7N, R21W, SBM. Continue N along East side of R21W, SBM to Ventura County and Kern County boundary at the NE corner of T8N, R21W. Continue W along the Ventura County and Kern County boundary to the SE corner of T9N, R21W. Continue North along the East edge of R21W, SBM to the NE corner of T12N, R21W, SBM. Continue West along the north edge of T12N, SBM to the SE corner of T32S, R21E, MDM. [T12N SBM is a thin strip between T11N SBM and T32S MDM]. Continue North along the East side of R21E, MDM to the Kings County and Kern County border at the NE corner of T25S, R21E, MDM, continue West along the Kings County and Kern County Boundary until the intersection of San Luis Obispo County. Continue west along the Kings County and San Luis Obispo County boundary until the intersection with Monterey County. Continue West along the Monterey County and San Luis Obispo County boundary to the beginning point at the NW corner of T25S, R16E, MDM.

\$2.00 additional per hour for INYO and MONO Counties and the Northern portion of SAN BERNARDINO County as defined below:

That area within the following Boundary: Begin at the intersection of the northern boundary of Mono County and the California state line at the point which is the center of Section 17, T10N, R22E, Mt. Diablo Meridian. Continue S then SE along the entire western boundary of Mono County, until it reaches Inyo County at the point which is the NE corner of the Western half of the NW quarter of Section 2, T8S, R29E, MDM. Continue SSE along the entire western boundary of Inyo County, until the intersection with Kern County at the point which is

the SW corner of the SE 1/4 of Section 32, T24S, R37E, MDM. Continue E along the Inyo and Kern County boundary until the intersection with San Bernardino County at that point which is the SE corner of section 34, T24S, R40E, MDM. Continue E along the Inyo and San Bernardino County boundary until the point which is the NE corner of the Western half of the NW quarter of Section 6, T25S, R42E, MDM. Continue S to that point which is the SW corner of the NW quarter of Section 6, T27S, R42E, MDM. Continue E in a straight line to the California and Nevada state border at the point which is the NW corner of Section 1, T17N, R14E, San Bernardino Meridian. Then continue NW along the state line to the starting point, which is the center of Section 18, T10N, R22E, MDM.

REMAINING AREA NOT DEFINED ABOVE RECIEVES BASE RATE

 ENGI0012-004 08/01/2015

	Rates	Fringes
OPERATOR: Power Equipment (DREDGING)		
(1) Leverman.....	\$ 49.50	23.60
(2) Dredge dozer.....	\$ 43.53	23.60
(3) Deckmate.....	\$ 43.42	23.60
(4) Winch operator (stern winch on dredge).....	\$ 42.87	23.60
(5) Fireman-Oiler, Deckhand, Bargeman, Leveehand.....	\$ 42.33	23.60
(6) Barge Mate.....	\$ 42.94	23.60

 IRON0377-002 01/01/2017

	Rates	Fringes
Ironworkers:		
Fence Erector.....	\$ 29.58	21.59
Ornamental, Reinforcing and Structural.....	\$ 36.00	30.15

PREMIUM PAY:

\$6.00 additional per hour at the following locations:

China Lake Naval Test Station, Chocolate Mountains Naval Reserve-Niland, Edwards AFB, Fort Irwin Military Station, Fort Irwin Training Center-Goldstone, San Clemente Island, San Nicholas Island,

Susanville Federal Prison, 29 Palms - Marine Corps, U.S. Marine Base - Barstow, U.S. Naval Air Facility - Sealey, Vandenberg AFB

\$4.00 additional per hour at the following locations:

Army Defense Language Institute - Monterey, Fallon Air Base, Naval Post Graduate School - Monterey, Yermo Marine Corps Logistics Center

\$2.00 additional per hour at the following locations:

Port Hueneme, Port Mugu, U.S. Coast Guard Station - Two Rock

LABO0220-002 07/03/2017

KERN COUNTY

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 39.04	18.24
GROUP 2.....	\$ 39.36	18.24
GROUP 3.....	\$ 39.82	18.24
GROUP 4.....	\$ 40.51	18.24
LABORER		
GROUP 1.....	\$ 33.19	18.24
GROUP 2.....	\$ 33.74	18.24
GROUP 3.....	\$ 34.29	18.24
GROUP 4.....	\$ 35.84	18.24
GROUP 5.....	\$ 36.19	18.24

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner;

Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellower

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer

performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing; Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabledtender; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person; Concrete crew, including rodder and spreader

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LABO0220-005 07/01/2017

KERN COUNTY

Rates Fringes

Brick Tender.....\$ 31.36 17.82

LABO0300-005 01/01/2018

Rates Fringes

Asbestos Removal Laborer.....\$ 33.19 17.78

SCOPE OF WORK: Includes site mobilization, initial site cleanup, site preparation, removal of asbestos-containing material and toxic waste, encapsulation, enclosure and disposal of asbestos- containing materials and toxic waste by hand or with equipment or machinery; scaffolding, fabrication of temporary wooden barriers and assembly of decontamination stations.

LABO0345-001 07/02/2017

Rates Fringes

LABORER (GUNITE)

GROUP 1.....\$ 41.08 17.39
GROUP 2.....\$ 40.13 17.39
GROUP 3.....\$ 36.59 17.39

FOOTNOTE: GUNITE PREMIUM PAY: Workers working from a Bosn'n's Chair or suspended from a rope or cable shall receive 40 cents per hour above the foregoing applicable classification rates. Workers doing gunitite and/or shotcrete work in a tunnel shall receive 35 cents per hour above the foregoing applicable classification rates, paid on a portal-to-portal basis. Any work performed on, in or above any smoke stack, silo, storage elevator or similar type of structure, when such structure is in excess of 75'-0" above base level and which work must be performed in whole or in part more than 75'-0" above base level, that work performed above the 75'-0" level shall be compensated for at 35 cents per hour above the applicable classification wage rate.

GUNITE LABORER CLASSIFICATIONS

GROUP 1: Rodmen, Nozzlemen

GROUP 2: Gunmen

GROUP 3: Reboundmen

INYO AND MONO COUNTIES

	Rates	Fringes
LABORER (TUNNEL)		
GROUP 1.....	\$ 39.04	18.24
GROUP 2.....	\$ 39.36	18.24
GROUP 3.....	\$ 39.82	18.24
GROUP 4.....	\$ 40.51	18.24
LABORER		
GROUP 1.....	\$ 33.19	18.24
GROUP 2.....	\$ 33.74	18.24
GROUP 3.....	\$ 34.29	18.24
GROUP 4.....	\$ 35.84	18.24
GROUP 5.....	\$ 36.19	18.24

LABORER CLASSIFICATIONS

GROUP 1: Cleaning and handling of panel forms; Concrete screeding for rough strike-off; Concrete, water curing; Demolition laborer, the cleaning of brick if performed by a worker performing any other phase of demolition work, and the cleaning of lumber; Fire watcher, limber, brush loader, piler and debris handler; Flag person; Gas, oil and/or water pipeline laborer; Laborer, asphalt-rubber material loader; Laborer, general or construction; Laborer, general clean-up; Laborer, landscaping; Laborer, jetting; Laborer, temporary water and air lines; Material hose operator (walls, slabs, floors and decks); Plugging, filling of shee bolt holes; Dry packing of concrete; Railroad maintenance, repair track person and road beds; Streetcar and railroad construction track laborers; Rigging and signaling; Scaler; Slip form raiser; Tar and mortar; Tool crib or tool house laborer; Traffic control by any method; Window cleaner; Wire mesh pulling - all concrete pouring operations

GROUP 2: Asphalt shoveler; Cement dumper (on 1 yd. or larger mixer and handling bulk cement); Cesspool digger and installer; Chucktender; Chute handler, pouring concrete, the handling of the chute from readymix trucks, such as walls, slabs, decks, floors, foundation, footings, curbs, gutters and sidewalks; Concrete curer, impervious membrane and form oiler; Cutting torch operator (demolition); Fine grader, highways and street paving, airport, runways and similar type heavy construction; Gas, oil and/or water pipeline wrapper - pot tender and form person; Guinea chaser; Headerboard person - asphalt; Laborer, packing rod steel and pans; Membrane vapor barrier installer; Power broom sweeper (small); Riprap stonepaver, placing stone or

wet sacked concrete; Roto scraper and tiller; Sandblaster (pot tender); Septic tank digger and installer(lead); Tank scaler and cleaner; Tree climber, faller, chain saw operator, Pittsburgh chipper and similar type brush shredder; Underground laborer, including caisson bellow

GROUP 3: Buggymobile person; Concrete cutting torch; Concrete pile cutter; Driller, jackhammer, 2-1/2 ft. drill steel or longer; Dri-pak-it machine; Gas, oil and/or water pipeline wrapper, 6-in. pipe and over, by any method, inside and out; High scaler (including drilling of same); Hydro seeder and similar type; Impact wrench multi-plate; Kettle person, pot person and workers applying asphalt, lay-kold, creosote, lime caustic and similar type materials ("applying" means applying, dipping, brushing or handling of such materials for pipe wrapping and waterproofing); Operator of pneumatic, gas, electric tools, vibrating machine, pavement breaker, air blasting, come-alongs, and similar mechanical tools not separately classified herein; Pipelayer's backup person, coating, grouting, making of joints, sealing, caulking, diapering and including rubber gasket joints, pointing and any and all other services; Rock slinger; Rotary scarifier or multiple head concrete chipping scarifier; Steel headerboard and guideline setter; Tamper, Barko, Wacker and similar type; Trenching machine, hand-propelled

GROUP 4: Asphalt raker, lute person, ironer, asphalt dump person, and asphalt spreader boxes (all types); Concrete core cutter (walls, floors or ceilings), grinder or sander; Concrete saw person, cutting walls or flat work, scoring old or new concrete; Cribber, shorer, lagging, sheeting and trench bracing, hand-guided lagging hammer; Head rock slinger; Laborer, asphalt- rubber distributor boot person; Laser beam in connection with laborers' work; Oversize concrete vibrator operator, 70 lbs. and over; Pipelayer performing all services in the laying and installation of pipe from the point of receiving pipe in the ditch until completion of operation, including any and all forms of tubular material, whether pipe, metallic or non-metallic, conduit and any other stationary type of tubular device used for the conveying of any substance or element, whether water, sewage, solid gas, air, or other product whatsoever and without regard to the nature of material from which the tubular material is fabricated; No-joint pipe and stripping of same; Prefabricated manhole installer; Sandblaster (nozzle person), water blasting, Porta Shot-Blast

GROUP 5: Blaster powder, all work of loading holes, placing and blasting of all powder and explosives of whatever type, regardless of method used for such loading and placing;

Driller: All power drills, excluding jackhammer, whether core, diamond, wagon, track, multiple unit, and any and all other types of mechanical drills without regard to the form of motive power; Toxic waste removal

TUNNEL LABORER CLASSIFICATIONS

GROUP 1: Batch plant laborer; Changehouse person; Dump person; Dump person (outside); Swamper (brake person and switch person on tunnel work); Tunnel materials handling person; Nipper; Pot tender, using mastic or other materials (for example, but not by way of limitation, shotcrete, etc.)

GROUP 2: Chucktender, cabledriller; Loading and unloading agitator cars; Vibrator person, jack hammer, pneumatic tools (except driller); Bull gang mucker, track person; Concrete crew, including rodder and spreader;

GROUP 3: Blaster, driller, powder person; Chemical grout jet person; Cherry picker person; Grout gun person; Grout mixer person; Grout pump person; Jackleg miner; Jumbo person; Kemper and other pneumatic concrete placer operator; Miner, tunnel (hand or machine); Nozzle person; Operating of troweling and/or grouting machines; Powder person (primer house); Primer person; Sandblaster; Shotcrete person; Steel form raiser and setter; Timber person, retimber person, wood or steel; Tunnel Concrete finisher

GROUP 4: Diamond driller; Sandblaster; Shaft and raise work

LABO0783-004 07/01/2017

INYO AND MONO COUNTIES

	Rates	Fringes
Brick Tender.....	\$ 31.36	17.82

LABO1184-001 07/01/2017

	Rates	Fringes
Laborers: (HORIZONTAL DIRECTIONAL DRILLING)		
(1) Drilling Crew Laborer...	\$ 34.65	13.20
(2) Vehicle Operator/Hauler.	\$ 34.82	13.20
(3) Horizontal Directional Drill Operator.....	\$ 36.67	13.20
(4) Electronic Tracking Locator.....	\$ 38.67	13.20

Laborers: (STRIPING/SLURRY SEAL)

GROUP 1.....	\$ 35.86	16.21
GROUP 2.....	\$ 37.16	16.21
GROUP 3.....	\$ 39.17	16.21
GROUP 4.....	\$ 40.91	16.21

LABORERS - STRIPING CLASSIFICATIONS

GROUP 1: Protective coating, pavement sealing, including repair and filling of cracks by any method on any surface in parking lots, game courts and playgrounds; carstops; operation of all related machinery and equipment; equipment repair technician

GROUP 2: Traffic surface abrasive blaster; pot tender - removal of all traffic lines and markings by any method (sandblasting, waterblasting, grinding, etc.) and preparation of surface for coatings. Traffic control person: controlling and directing traffic through both conventional and moving lane closures; operation of all related machinery and equipment

GROUP 3: Traffic delineating device applicator: Layout and application of pavement markers, delineating signs, rumble and traffic bars, adhesives, guide markers, other traffic delineating devices including traffic control. This category includes all traffic related surface preparation (sandblasting, waterblasting, grinding) as part of the application process. Traffic protective delineating system installer: removes, relocates, installs, permanently affixed roadside and parking delineation barricades, fencing, cable anchor, guard rail, reference signs, monument markers; operation of all related machinery and equipment; power broom sweeper

GROUP 4: Striper: layout and application of traffic stripes and markings; hot thermo plastic; tape traffic stripes and markings, including traffic control; operation of all related machinery and equipment

PAIN0036-009 10/01/2017

	Rates	Fringes
DRYWALL FINISHER/TAPER.....	\$ 34.45	18.57

PAIN0036-021 07/01/2018

INYO AND MONO COUNTIES

Rates Fringes

Painters: (Including Lead Abatement)

(1) Journeyman Painter.....	\$ 26.68	14.90
(2) Repaint.....	\$ 24.40	14.82
(4) All other work.....	\$ 26.68	14.90
(5) Industrial.....	\$ 32.52	15.44

REPAINT of any previously painted structure. Exceptions: work involving the aerospace industry, breweries, commercial recreational facilities, hotels which operate commercial establishments as part of hotel service, and sports facilities.

HIGH IRON & STEEL:

Aerial towers, towers, radio towers, smoke stacks, flag poles (any flag poles that can be finished from the ground with a ladder excluded), elevated water towers, steeples and domes in their entirety and any other extremely high and hazardous work, cooning steel, bos'n chair, or other similar devices, painting in other high hazardous work shall be classified as high iron & steel

PAIN0169-002 01/01/2018

Rates Fringes

GLAZIER.....	\$ 35.00	26.26
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PAIN1247-001 05/01/2018

Rates Fringes

SOFT FLOOR LAYER.....	\$ 33.85	14.56
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PLAS0200-007 08/02/2017

Rates Fringes

PLASTERER.....	\$ 41.26	14.46
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U.S. MARINE CORPS-PICKLE MEADOW & MOUNTAIN WARFARE TRAINING CENTER:
\$3.00 additinal per hour.

PLAS0500-002 07/01/2018

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 35.75	22.48

 PLUM0078-001 07/01/2016

	Rates	Fringes
PLUMBER		
Landscape/Irrigation Fitter.	\$ 44.16	25.19
Sewer & Storm Drain Work...	\$ 44.16	25.19

 PLUM0460-002 07/01/2013

	Rates	Fringes
PLUMBER (Plumber, Pipefitter, Steamfitter, Refrigeration)		
0 to 40 miles radius from 6718 Meany Avenue in Bakersfield.....	\$ 40.57	22.84
40 to 75 miles radius.....	\$ 45.07	22.84
75 miles to 100 miles radius.....	\$ 47.57	22.84
over 100 miles radius.....	\$ 51.07	22.84

FOOTNOTE: Work from a swinging scaffold, swinging basket, spider or from a bosun chair: 10% above the regular rate of pay for that day.

 ROOF0027-001 01/01/2017

	Rates	Fringes
ROOFER.....	\$ 26.01	14.21

FOOTNOTE: Work with pitch, pitch base of pitch impregnated products or any material containing coal tar pitch, on any building old or new, where both asphalt and pitchers are used in the application of a built-up roof or tear off: \$2.00 per hour additional.

 SFCA0669-007 04/01/2017

	Rates	Fringes
SPRINKLER FITTER.....	\$ 39.07	15.84

 SHEE0105-003 07/01/2018

LOS ANGELES (South of a straight line drawn between Gorman and Big Pines) and Catalina Island, INYO, KERN (Northeast part, East of Hwy 395), MONO ORANGE, RIVERSIDE, AND SAN BERNARDINO COUNTIES

Rates Fringes

SHEET METAL WORKER

(1) Commercial - New Construction and Remodel work.....	\$ 44.28	28.46
(2) Industrial work including air pollution control systems, noise abatement, hand rails, guard rails, excluding aritechtrual sheet metal work, excluding A-C, heating, ventilating systems for human comfort...	\$ 44.28	28.46

SHEE0105-004 01/01/2018

KERN (Excluding portion East of Hwy 395) & LOS ANGELES (North of a straight line drawn between Gorman and Big Pines including Cities of Lancaster and Palmdale) COUNTIES

Rates Fringes

SHEET METAL WORKER.....	\$ 32.38	26.99
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TEAM0011-002 07/01/2017

Rates Fringes

TRUCK DRIVER

GROUP 1.....	\$ 29.59	27.74
GROUP 2.....	\$ 29.74	27.74
GROUP 3.....	\$ 29.87	27.74
GROUP 4.....	\$ 30.06	27.74
GROUP 5.....	\$ 30.09	27.74
GROUP 6.....	\$ 30.12	27.74
GROUP 7.....	\$ 30.37	27.74
GROUP 8.....	\$ 30.62	27.74
GROUP 9.....	\$ 30.82	27.74
GROUP 10.....	\$ 31.12	27.74
GROUP 11.....	\$ 31.62	27.74
GROUP 12.....	\$ 32.05	27.74

WORK ON ALL MILITARY BASES:

PREMIUM PAY: \$3.00 per hour additional.

[29 palms Marine Base, Camp Roberts, China Lake, Edwards AFB, El Centro Naval Facility, Fort Irwin, Marine Corps Logistics Base at Nebo & Yermo, Mountain Warfare Training Center, Bridgeport, Point Arguello, Point Conception, Vandenberg AFB]

TRUCK DRIVERS CLASSIFICATIONS

GROUP 1: Truck driver

GROUP 2: Driver of vehicle or combination of vehicles - 2 axles; Traffic control pilot car excluding moving heavy equipment permit load; Truck mounted broom

GROUP 3: Driver of vehicle or combination of vehicles - 3 axles; Boot person; Cement mason distribution truck; Fuel truck driver; Water truck - 2 axle; Dump truck, less than 16 yds. water level; Erosion control driver

GROUP 4: Driver of transit mix truck, under 3 yds.; Dumpcrete truck, less than 6-1/2 yds. water level

GROUP 5: Water truck, 3 or more axles; Truck greaser and tire person (\$0.50 additional for tire person); Pipeline and utility working truck driver, including winch truck and plastic fusion, limited to pipeline and utility work; Slurry truck driver

GROUP 6: Transit mix truck, 3 yds. or more; Dumpcrete truck, 6-1/2 yds. water level and over; Vehicle or combination of vehicles - 4 or more axles; Oil spreader truck; Dump truck, 16 yds. to 25 yds. water level

GROUP 7: A Frame, Swedish crane or similar; Forklift driver; Ross carrier driver

GROUP 8: Dump truck, 25 yds. to 49 yds. water level; Truck repair person; Water pull - single engine; Welder

GROUP 9: Truck repair person/welder; Low bed driver, 9 axles or over

GROUP 10: Dump truck - 50 yds. or more water level; Water pull - single engine with attachment

GROUP 11: Water pull - twin engine; Water pull - twin engine with attachments; Winch truck driver - \$1.25 additional

when operating winch or similar special attachments

GROUP 12: Boom Truck 17K and above

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or

"UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is

based.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an

interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION