

City of Lindsay
2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1
Project # CS21-08 Slurry Seal Project
Project # CS21-09 Rubberized Cape Seal Project



City of Lindsay
Department of City Services
150 North Mirage Avenue
Lindsay, California 93247
559.562.7102 Ext 4 Phone 559.562.5748 Fax

City of Lindsay
2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1

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**CITY OF LINDSAY
STATE OF CALIFORNIA
NOTICE INVITING BIDS**

SEALED PROPOSALS will be received by the Office of the City Clerk at City Hall, 251 Honolulu Street, City of Lindsay, California, until 1:30 p.m. on October 19, 2021 and promptly thereafter all proposals that have been duly received will be publicly opened and read aloud for furnishing to said City all labor, materials, equipment, transportation, and services for the

**City of Lindsay, 2021 Street Seal & Rubberized Cape Seal Projects
Revision No. 1**

Instructions to Bidder, plans, project specifications and proposal forms may be inspected at City of Lindsay Department of City Services, 150 North Mirage, Lindsay, California and copies of said documents may be obtained from the City Services Department upon payment of a \$20.00 non-refundable fee for each set. Bidders must request to be placed on the official plan holder's list by sending an email request to namezcua@lindsay.ca.us and an electronic copy of the project manual and plans will be provided at no fee. All addenda and correspondence during the bid process will be handled electronically. No bid will be received unless it is made on the proposal forms furnished with the project specifications.

It is each bidder's sole responsibility to ensure its bid is timely delivered and received at the location designated as specified above. Any bid received at the designated location after the scheduled closing time for receipt of bids shall be returned to the bidder unopened.

A Certified Check, Cashier's Check, or Bidder's Bond in the amount of ten percent (10%) of the bid made payable to the City of Lindsay will be required to accompany each proposal.

Any contract entered into pursuant to this notice will incorporate the provisions of the State Labor Code. Compliance with the apprenticeship employment standards established by the State Director of Industrial Relations will be required.

The Contractor and all Subcontractors shall comply with the requirements set forth in Division 2, Part 7, Chapter 1 of the Labor Code. The District has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages and the general prevailing rate for holiday and overtime work in the locality in which this work is to be performed for each craft, classification or type of worker needed to execute the Contract. These per diem rates, including holiday and overtime work, as well as employer payments for health and welfare, pension, vacation, and similar purposes, are on file at the District, and are also available from the Director of the Department of Industrial Relations. Pursuant to California Labor Code section 1720 et seq., it shall be mandatory upon the Contractor to whom the Contract is awarded, and upon any subcontractor under such Contractor, to pay not less than the said specified rates to all workers employed by them in the execution of the Contract.

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.

This Project is a public works project as defined in Labor Code section 1720. Each Contractor bidding on this Project and all Subcontractors (of any tier) performing any portion of the work must comply with the Labor Code sections 1725.5 and 1771.1 and must be properly and currently registered with the California Department of Industrial Relations (“DIR”) and qualified to perform public works pursuant to Labor Code section 1725.5 throughout the duration of the Project. The Contractor and all subcontractors shall furnish certified payroll records as required pursuant Labor Code section 1776 directly to the Labor Commissioner in accordance with Labor Code section 1771.4 on at least on a monthly basis (or more frequently if required by the District or the Labor Commissioner) and in a format prescribed by the Labor Commissioner.

Monitoring and enforcement of the prevailing wage laws and related requirements will be performed by the Labor Commissioner/ Department of Labor Standards Enforcement (DLSE). The Contractor and all Subcontractors shall furnish certified payroll records as required pursuant Labor Code section 1776 directly to the Labor Commissioner in accordance with Labor Code section 1771.4 on at least on a monthly basis (or more frequently if required by the District or the Labor Commissioner) and in a format prescribed by the Labor Commissioner.

Affirmative action to ensure against discrimination in employment practices on the basis of race, color, national origin, ancestry, sex, or religion will also be required.

The City hereby affirmatively ensures that qualified contractors so duly licensed will be afforded full opportunity to submit bids in response to this notice and there will be no discriminated against on the basis of race, color, national origin, ancestry, sex, or religion in any consideration leading to the award of contract.

No qualified handicapped person shall, on the basis of handicap, be excluded from participating in, be denied the benefits of, or otherwise be subject to discrimination.

No bid will be accepted from a contractor who is not duly licensed in accordance with the provisions of Chapter 9, Division III, of the Business and Professions Code, and as a minimum, possesses a current California State License Class “A”, General Engineering Contractor License.

The right is reserved by the City of Lindsay to reject any or all bids, to evaluate the bids submitted and to award the contract according to the proposal which best serves the interests of said City.

The successful bidder will be required to furnish the City of Lindsay with a “Performance Bond” in the amount of one hundred percent (100%) of the contract and a “Labor and Material Bond” in the amount of one hundred percent (100%) of the contract amount.

Upon receiving the “**NOTICE OF AWARD**”, the successful bidder has **TEN (10) DAYS** to submit all required bonds, insurance and licenses and meet with City representatives in a **PRE CONSTRUCTION MEETING** to discuss any questions pertaining to this project. It is the contractor’s responsibility to contact the City’s Project Manager immediately, to arrange for the **PRE CONSTRUCTION MEETING** during **the TEN (10) DAY PERIOD**.

Upon receiving the “**NOTICE TO PROCEED**”, the successful bidder has **TEN (10) DAYS to COMMENCE CONSTRUCTION**. The contractor shall pay to the City, as liquidated damages, the amount of \$800.00 for each calendar day that the commencement of construction is delayed beyond the **TEN (10) DAY PERIOD**.

The Contractor shall pay the City as liquidated damages, the amount of \$800.00 a day for each calendar day the project is delayed beyond the **“TIME OF COMPLETION DATE”**.

The City will withhold five percent (5%) retention from payments due the Contractor until thirty-five (35) days after date of recording of the Notice of Completion. The Contractor may elect to receive one hundred percent (100%) of payments due under the contract by depositing securities of equivalent value with the City in accordance with the provisions of the California Government Code Section 4590.

All terms and conditions contained in the contract documents, including the information to bidders, shall become part of the contract. No bidder may withdraw his bid for a period of sixty (60) days after the time set for the opening thereof. A time limit of **Sixty-Six (66)** calendar days has been set for the completion of the work from the date of the Notice to Proceed.

Dated this 29th day of September 2021.

A handwritten signature in black ink, appearing to read 'Francesca Quintana', written over a horizontal line.

Francesca Quintana, Deputy City Clerk of the
City of Lindsay

Publish Notice: Porterville Recorder, September 29, 2021

SECTION ONE
B - INSTRUCTIONS TO BIDDERS

1B-01. Securing Documents. Plans, Specifications and other contract documents will be available for examination without charge and copies may be secured in accordance with the foregoing "Notice Inviting Bidders".

1B-02. Examination of Specifications and Sites of Work. The Bidder is required to examine the site of work, the proposal, the Plans and Specifications very carefully. He shall satisfy himself as to the character and quantities of the work to be performed, the materials to be furnished and the requirements of the Contract Documents. It is not to be inferred that all conditions as shown on the Plans are actually existent, nor shall the City or any of its officers be liable for any loss sustained by the Contractor as a result of any variance between conditions shown on the Plans and actual conditions revealed during examination or progress of the work. The submission of a proposal shall be prima facie evidence that the Bidder has made such an examination.

1B-03. Interpretation of Plans and Documents. If any Bidder should find discrepancies in, or omissions from the Plans, Specifications, or other proposed contract documents, or if he should be in doubt as to the true meaning of any part thereof, he shall at once make a request to the City for correction, clarification, or interpretation of the points in question. The person submitting such a request shall be responsible for its prompt delivery.

In the event that the City received such a request and it should be found that certain essential information is not clearly and fully set forth, or if the City discovers errors, omissions, or points requiring clarification in the documents, a written addendum will be mailed to each person to whom a set of contract documents has been delivered. The City will not be responsible for any instructions, explanations, or interpretations of the documents presented to Bidders in any manner other than written addendum.

1B-04. Addenda or Bulletins. The effect of all addenda to the contract documents shall be considered in the bid and said addenda shall be made a part of the contract documents and shall be returned with them. Before submitting his bid, each Bidder shall acquaint himself as to whether or not any such addenda have been issued and failure to cover in his bid any such addenda issued, may render his bid informal and result in its rejection.

1B-05. Disqualification of Bidders. No person, firm or corporation shall be allowed to make, file, or be interested in more than one bid for the same work unless alternate bids are called for. (A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices or materials to a Bidder, is hereby disqualified from submitting a bid in his own behalf).

1B-06. Proposals. Bids to receive consideration shall be in accordance with the following instructions:

- a. Bids shall be made only on the Bid Proposal included with the Specifications; all bid items shall be properly filled out; numbers shall be stated in figures and the signatures of all persons signing shall be in longhand.
- b. All prices and notations must be in ink or typewritten. No erasures will be permitted. Mistakes may be crossed out and corrections typed or written in ink adjacent thereto and must be initialed in ink by the person or persons signing the bid.

c. Bids shall not contain any recapitulation of the work to be done. Alternate proposals will not be considered except as required hereinabove. No oral, telegraphic, or telephonic proposals or modifications will be considered.

d. The Owner may make such investigations as he deems necessary to determine the ability of any Bidder to perform the Work and the Bidder shall furnish to the Owner such information and data for this purpose as the owner may request.

e. Each Bidder shall list his proposed subcontractors on the form accompanying the proposal in accordance with the provisions of the Specifications.

f. Each Bidder must accompany his bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified, or an approved corporate surety bond payable to the City of Lindsay, for a sum not less than ten percent (10%) of the aggregate sum of the bid, which check or bond and the monies represented thereby shall be held by the said City as a guarantee that the Bidder, if awarded a contract, will in good faith enter into such contract and furnish the required bonds and insurance policies. Such bid bond shall be in a form acceptable by the City.

The Bidder agrees that, in case of his refusal or failure to execute said contract and provide said bonds and insurance policies within the time required by these documents, such check or bond and the money represented thereby, shall remain the property of the City party hereto and, said surety will pay to the City, as liquidated, for all damages which the City may suffer by reason of such failure, the sum of ten percent (10%) of the amount of the bid. A Bid received and not accompanied by such cashier's check, certified check, or approved bond, shall be rejected.

g. Bids shall be delivered to the City of Lindsay, at the location stipulated, on or before the day and hour set for the opening of bids, as herein before specified in the "Notice Inviting Bids". Bids shall be enclosed in a sealed envelope bearing the title of the work and the name of the Bidder.

1B-07. Licensing of Contractors. All persons, firms, partnerships, or corporations shall be licensed in accordance with the Business and Professions Code of the State of California and the applicable ordinances of the City of Lindsay before proceeding with the work under this contract. This project requires a current and valid Class "A", General Engineering Contractor License.

1B-08. Withdrawal of Bid. Any Bidder may withdraw his bid in person or by written request at any time prior to the scheduled closing time for receipt of bids.

1B-09. Opening of Bid Proposals. A City representative will, in open session, publicly open, examine and declare the bids at the earliest convenient time following the time set forth in the "Notice Inviting Bids". Bidders or their authorized representatives are invited to be present.

1B-10. Award of Contract or Rejection of Bids. No Bidder may withdraw his bid for a period of sixty (60) days after the date set for the opening of bids. The contract for the work will either be awarded, or the bids rejected within sixty (60) days from the date set for the opening of bids.

The contract for the work will be awarded to the lowest responsive and responsible Bidder complying with these instructions, the four (4) criteria set forth below and the "Notice Inviting Bids". The City, however, reserves the right to reject any or all bids and to waive any informality in the bids received. The City, in making its determination of the lowest responsible Bidder, will give consideration to the following criteria:

1. Quality of the contractor's technical approach to the project;
2. Qualifications of the Contractor's personnel, equipment and their availability to complete the work on time.
3. Experience of the Contractor in this type of work and the capability for performing the project; and
4. The Contractor's total bid price per the Base Bid Schedule (General Line Items + Category 1-Slurry Seal + Category 2-Cape Seal).

The award of Alternate No. 1 will be determined by the City based on the wellness center enterprise budget funding. If alternate is awarded, it will be added to the Base Bid.

A Bidder to whom an award is made shall execute a written Contract with the awarding City and furnish the stipulated bonds and insurance within ten (10) days after the Notice of Award of the contract is issued. The Contract shall be made on the form provided by the City.

If the bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and an award may be made to the next lowest responsible Bidder; and such Bidder shall fulfill every stipulation embraced herein, as if he were the party to whom the first award was made. A corporation to which an award is made shall furnish evidence of its corporate existence and that the officers signing the contract and bond for the corporation are duly authorized to do so by certified copy of Resolution authorizing same by Board of Directors.

1B-11 Bonds. A successful Bidder, simultaneously with the execution of an Agreement, will be required to furnish a bond to secure the payment of labor and materials in a sum not less than 100 percent (100%) of the total amount payable by the terms of the contract and a faithful performance bond in a sum not less than 100 percent (100%) of the amount of the contract; said bonds shall be secured from a surety company satisfactory to the City. Surety companies, to be acceptable to the City must be authorized to do business in the State of California and be on the accredited list of the United States Treasury. The bonds given by the contractor shall be extended as proposed in the same manner as the district.

1B-12. Time of Completion and Liquidated Damages. The work shall be commenced within ten (10) calendar days from the date of the Notice to Proceed and shall be diligently prosecuted until completion. A time limit of **sixty-six (66) calendar days** from date of the Notice to Proceed has been set for completion of all of the work. The Bidder agrees to pay, as Liquidated Damages, Eight Hundred Dollars (\$800.00) for each consecutive calendar day delay in finishing the work in excess of the number of calendar days as prescribed above. The Bidder's attention is directed to the General and Special Conditions as to provisions for extension of time of completion and/or assessment of Liquidated Damages.

1B-13. Assignment of Contract. No assignment by the Contractor of any contract to be entered into hereunder or of any part thereof, or of funds to be received thereunder by the Contractor, will be recognized by the Agency unless such assignment has had prior approval of the Agency and the surety has been given notice of such assignment in writing and has consented thereto in writing.

1B-14. Workers and Wages. Attention is specifically directed to all provisions of the Labor Code of the State of California with regard to workers and wages. Contractors must comply with provisions of the Work Hours and Safety Standards Act (40 U.S.C. 327 ET SEQ) and the regulations issued thereunder.

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 Lindsay address and available from the California Department of Industrial Relations'

Internet website at <http://www.dir.ca.gov/DLSR/PWD>. The Federal minimum wage rates for this project as predetermined by the United States Secretary of Labor are set forth in this project manual issued for bidding. Purposes and in copies of this book that may be examined at the offices described above where project plans, special provisions, and bid forms may be seen. Addenda to modify the Federal minimum wage rates, if necessary, will be issued to holders of this project manual. 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.

1B-15. Job Tour. Assistance, if necessary, in the inspection of the project location can be obtained by prior arrangement with the City of Lindsay Department of City Services.

1B-16. Identification of Subcontractors. In accordance with Section 4100 et seq of the Public Contract Code, each Bidder, in the Bid, shall set forth: **(1)** The name and location of the place of business of each subcontractor who will perform work or labor, or render services to the Contractor in or about the construction of the work, or improvement, in an amount in excess of one-half of one percent of the Contractor's total bid; and **(2)** The position of the work which will be done by each such subcontractor. No Contractor, whose bid is accepted shall, without consent of the City, either: **(3)** Permit any such contract to be assigned or transferred, or allow it to be performed by anyone other than the original subcontractor listed in the bid; or **(4)** Sublet or subcontract any portion of the work in excess of one-half percent of one percent of the Contractor's total bid as to which his original bid did not designate a subcontractor. Penalties for failure to comply with the foregoing are as set forth in the Public Contract Code.

1B-17. (blank)

1B-18. (blank)

1B-19. (blank)

1B-20. Statutory Penalty for Unauthorized Overtime Work. In accordance with Section 1815 of the California Labor Code, the Contractor shall, as a penalty to the State or political subdivision on whose behalf the contract is made or awarded, forfeit twenty-five dollars (\$25.00) for each worker employed in the execution of the contract by the Contractor or by any subcontractor for each calendar day during which said worker is required or permitted to work more than eight hours in any one calendar day and forty hours in any one calendar week in violation of Sections 1810-1815 of the California Labor Code.

1B-21. Workers Compensation Notice. As required by Section 1860 of the California Labor Code and in accordance with provisions of Section 3700 of the Labor Code, every Contractor will be required to secure the payment of "workers compensation" to its employees.

1B-22. Workers Compensation Certification by Contractor. In accordance with Section 1861 of the California Labor Code, the Contractor shall furnish the City a notarized statement prior to commencing construction as follows: "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."

1B-23. Apprenticeship Requirements. The Contractor agrees to comply with Sections 1777.5, 1777.6 and 1777.7 of the California Labor Code relating to the employment of apprentices. The responsibility for compliance with these provisions is fixed with the prime Contractor for all apprentice

able occupations. Under these sections of the law, contractors and subcontractors must employ apprentices in apprentice able occupations, where journeymen in the craft are employed on the public work, in a ratio of not less than one apprentice for each five journeyman (unless an exemption is granted in accordance with Section 1777.5) and contractors and subcontractors shall not discriminate among otherwise qualified employees as indentured apprentices on any public work solely on the grounds of race, religious creed, color, national origin, ancestry, sex, or age, except as provided in Section 3077 of the Labor Code. Only apprentices, as defined in Section 3077, who are in training under apprenticeship standards and who have signed written agreements will be employed on City Services in apprentice able occupations.

**SECTION ONE
C - BID PROPOSAL
CITY OF LINDSAY
2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1
Lindsay, California**

Ladies & Gentlemen:

The undersigned hereby declares, as Bidder, that the only persons or parties interested in this proposal as principals, are those named herein, that no public officer or employee of the City is in any manner interested directly or indirectly in this proposal or in the profits to be derived from the contract proposed to be taken; that this bid is made without any connection with any other person or persons making a bid for the same purpose; that the bid is in all respects fair and without collusion or fraud; that he has read the Notice Inviting Bids and the Specifications and agrees to all the stipulations contained herein; that he has examined the site of the work, the form of Agreement and the Specifications and drawings referred to therein.

The undersigned hereby proposes and agrees to furnish all of the material, labor, equipment, transportation and services for the construction and completion of the work listed below, all in strict conformity with the Plans, Specifications and other contract documents on file at the City, at the unit prices listed below.

If awarded the contract, the undersigned agrees to sign said contract and furnish the necessary bonds and insurance policies within ten (10) days after the Notice of Award of contract.

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

Attached please find Bidder's Bond or certified check, for \$ _____, which amount is not less than ten percent (10%) of the total amount of this bid.

BIDDING SHEET

The work under this Specification is for the construction of the City of Lindsay, 2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1, for the City of Lindsay all as described in this Specification and as shown on Plans.

The City reserves the right to:

1. Accept or reject any or all bids.
2. Award the contract to the lowest qualified Bidder for the Base Bid, if selected.
3. Waive any defects.
4. Accept all or any portion of the BID SCHEDULE.

The undersigned hereby certifies that he has a valid license as contractor Class "A", General Engineering Contractor License, in the State of California, the number of which is _____ and expiration of which is _____ and is registered with the Department of Industrial Relations, the number which is _____ and expiration of which is _____. I hereby declare that this information is valid and submitted under penalty of perjury in compliance with Business and Professions Code Section 7028.15.

Signed

Title

The undersigned hereby proposes and agrees to furnish all of the material, labor, equipment, transportation, and services necessary for the construction of the City of Lindsay, Asphalt Rubber Cape Seal Overlay Projects, including paving and other work necessary to properly complete the proposed improvements, all in strict conformity with the Plans and Specifications on file with the City of Lindsay. Bids shall include sales tax and all other applicable taxes and fees. Completion time is defined as the number of calendar days necessary to complete the defined work items from the date of the Notice to Proceed.

In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements. In submitting a bid to the City, the bidder offers and agrees that if the bid is accepted, it will assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C.) 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.

BID SCHEDULE

The Bid Schedule(s) list the various divisions of construction contemplated in the Plans and Specifications, together with an estimate of the units each. With these units as the basis, the Bidder will extend each item, using the cost he inserts in the unit column. Any total cost found inconsistent with the unit cost shall be considered incorrect. Unit cost figures shall be considered correct, and adjustments made accordingly.

The Bid prices shall be in ink or typewritten and the sum entered in figures. The following quantities of work to be done and materials to be furnished are given as a basis for the comparison of bids. The City reserves the right to increase or decrease the quantities of any items as necessary or expedient.

All items shall be complete in place and bids shall include sales tax and all other applicable taxes and fees.

Witness our hands this _____ day of _____, 20_____.

Signature of bidder, with business addresses and phone number.

Individual Contractor

Name: _____

Address: _____

Partnership

Name: _____

Business

Address: _____

By: _____

Partner.

Other

Partners: _____

Corporation

Name: _____

Business

Address: _____

By: _____,

President.

Secretary

(Corporate Seal)

Organized under the laws of the State of _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____ as Principal, and _____ as surety, are hereby held and firmly bound unto THE CITY OF LINDSAY as Owner, in the penal sum of _____ for the payment of which, well and truly to be made, we hereby jointly and severally bind ourselves, our heirs, executors, administrators, successors and assigns.

The condition of the above obligation is such that whereas the Principal has submitted to the CITY OF LINDSAY a certain Bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for the

City of Lindsay, 2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1

NOW THEREFORE,

- a. If said Bid shall be rejected, or in the alternate,
- b. If said Bid shall be accepted and the Principal shall execute and deliver a contract in the Form of Contract attached hereto (properly completed in accordance with said Bid) and shall furnish a bond for his faithful performance of said contract, and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bid, then this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligation of said Surety and its bond shall be in no way impaired or affected by any extension of the time within which the Owner may accept such Bid; and Surety does hereby waive notice of any extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporation have caused their corporate seals to be hereto affixed and these presents to be signed by their property officers, the day and year first set forth above.

| | |
|---|--------|
| Contractor, Individual, Partnership, or Corporation | Surety |
|---|--------|

By: _____ By: _____

IMPORTANT: Surety companies executing bonds must appear on the Treasury Department’s most current list (Circular 570, as amended) and be authorized to transact business in the State of California.

**DECLARATION OF NON COLLUSION TO BE EXECUTED BY
BIDDER AND SUBMITTED WITH BID**

State of California)
)
County of _____)

I, _____, declare as follows:

I am _____ of _____ the party making the foregoing bid, 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.

I certify (or declare) under penalty of perjury that the foregoing is true and correct and that this declaration is executed in _____, California, on _____, 20__.

Signature

INFORMATION REQUIRED OF BIDDER

The Bidder is required to supply the following information. Additional sheets may be attached if necessary.

(1) Address :

Phone No. _____ Fax No. _____ E mail/Web page _____

(2) Type of Firm: Individual, Partnership or Corporation: _____

(3) Corporation organized under the laws of the State of _____

(4) List the names of all members of the firm or names and titles of all officers of the corporation:

(5) Number of years' experience as a licensed contractor in this type of construction work: _____

(6) Subcontractors Listing. Please complete the section below with all subcontractors that will be performing work in or about the work or improvement in excess of one-half (1/2) of one percent (1%) of the total bid price. Attach additional pages as necessary.

| No. | Type Work | DIR # | Subcontractor Name, Address, Phone, FAX | Dollar Amt. of Contract | Total Percentage |
|-----|-----------|-------|---|-------------------------|------------------|
| 1 | | | | | |
| 2 | | | | | |
| 3 | | | | | |
| 4 | | | | | |
| 5 | | | | | |

(7) List the name of the person who inspected the site of the proposed work for your firm: _____ . Date of Inspection: _____

(8) List 3 projects minimum and the owners and project manager or contact of similar size and type of construction; include the total base dollar figure and the final constructed dollar figure. (Attach additional page if necessary):

1.

2.

3.

(9) The General Contractor and all listed subcontractors shall submit with this proposal an organizational chart listing current employee names and titles. The General Contractor and all listed subcontractors shall identify the proposed project manager and foremen and include the length of employment with the company and years of experience with this type of construction. The General Contractor and all listed subcontractors shall also list the equipment owned that will be utilized on this project and list equipment not owned that is anticipated to be rented/purchased to complete this project.

(10) If requested by the City, the Bidder shall furnish a notarized financial statement, financial data, or other information and references sufficiently comprehensive to permit an appraisal of his current financial condition.

The undersigned acknowledges that the quantities of work specified are approximate only, are the quantities which will be required to the best knowledge of the City at this time and are set forth herein for the purpose of comparing bids.

The City reserves the right to reject all bids or waive any informality and to award the bid to the best qualified bidder on any Schedule.

The undersigned agrees, if awarded the Contract, to begin work within ten (10) calendar days after the date of the Notice to Proceed and to fully complete all work within the number of calendar days stipulated in the Instruction to Bidders after the date of the Notice to Proceed.

Receipt is hereby acknowledged of Addenda Number(s)

_____.

The undersigned is licensed in accordance with the laws of the State of California, Class "A", General Engineering Contractor License in the State of California.

Individual Contractor

Name: _____

Address: _____

Partnership

Name: _____

Business Address: _____

By: _____

Partner.

Other Partners: _____

Corporation

Name: _____

Business Address: _____

By: _____, President.

_____, Secretary

Organized under the laws of the State of

(Corporate Seal)

Authorized Signatures for Corporate Contractors

The undersigned certifies that they are authorized to execute documents on behalf of the corporation:

President

Date

Secretary

Date

Treasurer

Date

(Corporate Seal)

BID SCHEDULE-PAGE 1 OF 2

| BASE BID SCHEDULE | | | | | |
|---|---|------------|-------------|-------------------|--------------------|
| Item # | DESCRIPTION | QTY | UNIT | UNIT PRICE | TOTAL PRICE |
| 1 | Mobilization and Demobilization | 1.00 | L.S. | \$ | \$ |
| 2 | Traffic Control | 1.00 | L.S. | \$ | \$ |
| 3 | Thermoplastic Striping | 1.00 | L.S. | \$ | \$ |
| 4 | Street Trees Clearance Pruning | 1.00 | L.S. | \$ | \$ |
| 5 | Installation of Solar Radar Speed Signs | 16.00 | E.A. | \$ | \$ |
| 6 | Slurry Seal Type II | 85,027.00 | S.Y. | \$ | \$ |
| 7 | Rubberized Cape Seal (Rubber Chip Seal + Slurry Seal Type II) | 53,800.00 | S.Y. | \$ | \$ |
| 8 | Double Rubberized Cape Seal for City Hall Alley | 1,300.00 | S.Y. | \$ | \$ |
| 9 | Remove & Replace Sidewalk | 225.00 | S.F. | \$ | \$ |
| 10 | Remove Tree w/Tree Stump | 1.00 | Each | \$ | \$ |
| 11 | Asphalt Remove & Replace Area | 5,639.00 | S.F. | \$ | \$ |
| 12 | Remove & Replace Curb & Gutter | 200.00 | L.F. | \$ | \$ |
| BASE BID SCHEDULE TOTAL AMOUNT | | | | | \$ |
| Grand Total Amount in Words | | | | | |
| Alternate No. 1: 860 N Sequoia Ave-Wellness Center Parking Lot | | | | | |
| Item # | DESCRIPTION | QTY | UNIT | UNIT PRICE | TOTAL PRICE |
| 13 | Thermoplastic Striping | 1.00 | L.S. | \$ | \$ |
| 14 | Slurry Seal Type II | 5,150.00 | S.Y. | \$ | \$ |
| TOTAL AMOUNT FOR ALTERNATE NO. 1 | | | | | \$ |
| BASE BID SCHEDULE TOTAL AMOUNT + ALTERNATE NO. 1 | | | | | \$ |
| Grand Total Amount in Words | | | | | |

A breakdown of quantities per street for Bid Line Items No. 9, thru 12, have been included in section four, technical provisions, section A. General A14 (Page 5 of 19)

BID SCHEDULE-PAGE 2 OF 2

Individual Contractor Name:

Address:

Partnership Name:

Business Address: _____

By:

Partner.

Other Partners:

Corporation Name:

Business Address: _____

By: _____, President.

_____, Secretary

(Corporate Seal)

Organized under the State laws of;

**SECTION ONE
D - CONTRACT**

THIS CONTRACT is made and entered into by and between the City of Lindsay, hereinafter referred to as the "City" and _____, hereinafter referred to as the "Contractor".

IT IS HEREBY AGREED BETWEEN THE PARTIES AS FOLLOWS:

First. Contract Documents. The complete Contract includes all of the contract documents, to-wit: **(a)** Notice Inviting Sealed Bids; **(b)** Instructions to Bidders; **(c)** Bid Proposal; **(d)** Contract; **(e)** General Conditions; **(f)** Special Conditions; **(g)** Technical Provisions including the complete set of Plans for construction of City of Lindsay, **2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1;** **(h)** Performance Bond; **(i)** Payment Bond; **(j)** duly issued Addenda and all modifications incorporated in the foregoing documents before execution of the Contract Agreement.

The foregoing contract documents are hereby incorporated by reference and shall be deemed and considered as forming a part of this Contract Agreement as fully and to the same extent as if it were copied at length herein.

Second. The Work. The Contractor agrees to furnish all tools, labor, materials, equipment, transportation, services and supplies necessary to perform and complete in a good and workmanlike manner the construction of the work designated as City of Lindsay, **2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1** in strict conformity with and in exact accordance with, the Plans and Specifications and all other Contract Documents referred to above, which plans are on file at the offices of the Participants.

Third. Payment. The City agrees to pay and the Contractor agrees to accept _____ dollars (\$ _____), according to the Bid Proposal at the time and manner set forth in these Specifications.

The foregoing shall be accepted by the Contractor as full and final compensation for work done under this contract.

Fourth. Commencement and Completion of the Work. The Contractor agrees to begin and complete the work within the time specified in the Notice Inviting Bids. Time is of the essence in completing the project.

Fifth LIQUIDATED DAMAGES. THE PARTIES AGREE THAT IT WOULD BE IMPRACTICAL AND EXTREMELY DIFFICULT TO FIX THE ACTUAL DAMAGE AND LOSS SUSTAINED BY THE CITY SHOULD THE CONTRACTOR FAIL TO COMPLETE THE WORK IN THE SPECIFIED TIME, THEREFORE, HE SHALL PAY TO THE CITY, AS LIQUIDATED DAMAGES, AND NOT IN THE NATURE OF A PENALTY, EIGHT HUNDRED DOLLARS (\$800.00) A DAY FOR EACH DAY DELAYED, WHICH SHALL BE DEDUCTED FROM ANY AMOUNT TO BE PAID UNDER THIS CONTRACT. THE AMOUNT OF LIQUIDATED DAMAGES HEREIN PROVIDED FOR REPRESENTS AN ENDEAVOR BY THE CITY AND THE CONTRACTOR TO MUTUALLY DETERMINE, FIX AND STATE AN AMOUNT THAT NEARS A REASONABLE RELATIONSHIP TO THE ACTUAL DAMAGE SUFFERED BY THE CITY SHOULD THE CONTRACTOR FAIL TO COMPLETE THE WORK WITHIN THE TIME SPECIFIED; PROVIDED THAT EXTENSIONS OF TIME WITH WAIVER OF FORFEITURE DUE TO DELAY MAY BE GRANTED AS PROVIDED IN SECTION 2-06 OF THE GENERAL CONDITIONS.

Sixth. Performance and Payment Bond. The Contractor agrees to furnish bonds guaranteeing the performance of this Contract and guaranteeing payment for all labor and material used under this Contract as required by the laws of the State of California, in forms approved by the Participants. The Performance Bond shall be for an amount not less than one hundred percent (100%) of the amount of this Contract and shall be conditioned on full and complete performance of the Contract, guaranteeing the work against faulty workmanship and materials for a period of one year after completion and acceptance. The Payment Bond shall be in an amount not less than one hundred percent (100%) of the amount of this Contract and shall be conditioned upon full payment of all labor and material entering into or incident to the work covered by this Contract. The Contractor agrees to furnish the bonds on the forms bound within these Specifications.

Seventh. Insurance. The Contractor agrees to carry Public Liability Insurance, Property Damage Insurance, Fire and Extended Coverage, Builder's All Risk and Worker Compensation Insurance in amounts and any other requirements as stated as required by the General Conditions.

Eighth. General Prevailing Rate of Per Diem Wages. Any contract entered into pursuant to this notice will incorporate the provisions of the U.S. Department of Labor Code and the State of CA Department of Industrial Relations with the prevailing rates of wages and apprenticeship employment standards established by both agencies.

Ninth. Compliance with Other Provisions of Law Relative to Public Contract. The City is a public agency in the State of California and is subject to the provisions of the Government Code, The Public Contract Code and the Labor Code of that State. It is stipulated and agreed that all provisions of law applicable to public contracts are a part of this Contract to the same extent as though set forth herein and will be complied with by the Contractor. These include, but are not limited to, the stipulation that eight hours' labor constitutes a legal day's work and the Contractor will, as a penalty to the City, forfeit twenty-five (\$25.00) for each workman employed in the execution of the Contract by the Contractor or any subcontractor for each calendar day during which such workman is required or permitted to work more than eight hours in violation of the provisions of Article Three, Chapter One, Part Seven, Division 2 of the California Labor Code, except as permitted by law.

Contractors are required by law to be licensed and regulated by the Contractors' State License Board. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, 1020 N Street, Sacramento, California 95814.

Tenth. Protecting of Public Utilities. The Contractor shall be compensated for the cost of locating, repairing damage not due to the failure of the Contractor to exercise reasonable care, in removing or relocating such utility facilities not indicated in the Plans and Specifications with reasonable accuracy and for equipment on the project necessarily idle during such work. The Contractor shall not be assessed liquidated damages for delay in completion of the project, which such delay was caused by the failure of the City or the owner of the utility to provide for removal or relocation of such utility facilities.

Nothing herein shall be deemed to require the City to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction project can be inferred from the presence of other facilities, such as buildings, meter junction boxes, on or adjacent to the site of the construction; provided, however, nothing herein shall relieve the City from identifying main or trunk lines in the Plans and Specifications.

If the Contractor, while performing a contract, discovers utility facilities not identified by the City on the Plans or in the Specifications, he shall immediately notify the City and the utility in writing. The City, where it is the owner, shall have the sole discretion to perform the repairs or relocation work or permit the

Contractor to do such repairs or relocation work at a reasonable price. If the Contractor discovers hazardous waste or unusual physical conditions, he shall comply with the notice provisions of Public Contract Code Section 7104.

Eleventh. Submission of Bids: Agreement to Assign. In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements. In submitting a bid to the City, the bidder offers and agrees that if the bid is accepted, it will assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C.) 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.

Twelfth. Termination or Modification of Contract. Environmental Reasons. City may terminate, amend or modify the contract for environmental considerations. In the event of such termination, modification or amendment, the notification to the Contractor thereof will include a statement of the compensation payable, if any, by reason of such termination, modification or amendment. Any claims filed by the Contractor shall be in sufficient detail to enable the City to ascertain the basis and amount of said claims. The City will consider and determine the Contractor's claim and it will be the responsibility of the Contractor to furnish, within a reasonable time, such further information and details as may be required by the City to determine the facts or contentions involved in his claims. Failure to submit such information and details will be sufficient cause for denying the claims.

Upon final determination of any claim, the City shall then make and issue his final estimate in writing and within forty (40) days thereafter the City will pay the entire sum found due thereon, if any.

Thirteenth. Integration Clause. This Contract constitutes the entire agreement of the parties. No other agreements, oral or written, pertaining to the work to be performed under this Contract, exist between the parties. This Contract can be modified only by an agreement in writing signed by both parties.

IN WITNESS WHEREOF, this Contract is executed by the duly authorized agent(s) of the City and by the Contractor on the date set before the name of each.

CITY OF LINDSAY

By: _____
Mayor

(City Seal)

Attest:

City Clerk
City of Lindsay

Contractor

(Corporate Seal)

By: _____

Title

Approved as to Form:

City Attorney for City of Lindsay
Approved as to Form:

**CONTRACTOR'S/SUBCONTRACTOR'S CERTIFICATION
CONCERNING STATE LABOR STANDARDS**

All contractors and subcontractors shall give the following certifications to the grantee and forward this certification to the grantee within ten days after the execution of any contract or subcontract.

A. "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."

B. "It is further agreed that, except as may be provided in Section 1815 of the California Labor Code, the maximum hours a worker is to be employed is limited to eight hours a day and 40 hours a week and the subcontractor shall forfeit, as a penalty, twenty-five dollars (\$25.00) for each worker employed in the execution of the subcontract for each calendar day during which a worker is required or permitted to labor more than 8 hours in any calendar day or more than 40 hours in any calendar week."

Contractor/Subcontractor

By: _____

Typed Name and Title

CERTIFICATION OF NONSEGREGATED FACILITIES

The construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The construction contractor agrees that a breach of his certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term “segregated facilities” means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, parking lots, drinking fountains, recreation or entertainment areas, transportation and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. The construction contractor agrees that (except where he has obtained identical certification from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certification in his files.

Signature

By: _____

Title

BOND FOR FAITHFUL PERFORMANCE

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, hereinafter referred to as "Contractor", as Principal, and _____ as Surety, are held firmly bound unto the City of Lindsay in the sum of _____ dollars (\$_____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter a Contract with the City of Lindsay for furnishing all materials, equipment and labor and in the constructing of City of Lindsay, **2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1** for said City, and is required by said City to give this bond in connection with the execution of said Contract:

NOW, THEREFORE, if the said Contractor shall well and truly do and perform all the covenants and obligations of said Contract on his part to be done and performed at the times and in the manner specified therein, then this obligation shall be null and void, otherwise it shall be and remain in full force and effect:

PROVIDED, that any alternations in the work to be done, or the materials to be furnished, which may be made pursuant to the terms of said Contract, shall not in any way release either the Contractor or the Surety thereunder, nor shall the extension of time granted under the provisions of said contract release either the Contractor or the Surety, and notice of such alternations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this _____ day of _____, 20____.

(Corporate Seal)

Contractor/Principal

By: _____

Title

(Corporate Seal)

Surety

By: _____

Title

Approved as to Form:

City Attorney for City of Lindsay

BOND FOR MATERIALS AND LABOR

KNOW ALL MEN BY THESE PRESENTS:

That we, _____, hereinafter referred to as "Contractor", as Principal, and _____ as Surety, are held firmly bound unto the City of Lindsay in the sum of _____ dollars (\$ _____), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The condition of the above obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter a Contract with the City of Lindsay for furnishing all materials, equipment and labor and in the constructing of City of Lindsay, **2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1** for said City, and is required by said City to give this bond in connection with the execution of said Contract:

NOW, THEREFORE, if the said Principal as Contractor in said contract, or its, his or their subcontractors fails to pay for any materials, provisions, provider or other supplies, or teams, used in, upon, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, said Surety will pay for the same, in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney's fee to be fixed by the Court. This bond shall inure to the benefit of any and all persons entitled to file claims as under Section 1192.1 of the Code of Civil Procedure of the State of California.

PROVIDED, that any alternations in the work to be done, or the materials to be furnished, which may be made pursuant to the terms of said Contract, shall not in any way release either the Contractor or the Surety thereunder, nor shall the extension of time granted under the provisions of said contract release either the Contractor or the Surety, and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this _____ day of _____, 20_____.

(Corporate Seal)

Contractor/Principal

By: _____

Title

(Corporate Seal)

Surety

By: _____

Title

Approved as to Form:

City Attorney for City of Lindsay

CERTIFICATE OF OWNER’S ATTORNEY

I, the undersigned, _____ the duly authorized and acting
(Please Type)

legal representative of _____, do hereby certify as follows:

I have examined the attached CONTRACT(s), Performance and Payment BONDS and insurance certificates and the manner of execution thereof, and I am of the opinion that each of the aforesaid agreements has been duly executed by the proper parties thereto acting through their duly authorized representatives; that said representatives have full power and authority to execute said agreements on behalf of the respective parties named thereon; and that the foregoing agreements constitute valid and legally binding obligations upon the parties executing the same in accordance with terms, conditions, and provisions thereof. I also am of the opinion that the CONTRACTOR’s insurance coverage complies with the requirements of the CONTRACT.

(Attorney’s Signature)

DATE: _____

SECTION TWO
GENERAL CONDITIONS
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SECTION TWO
GENERAL CONDITIONS

2-01. Definition of Terms:

Terms used herein are defined as follows and as in the “Glossary, Water and Wastewater Control Engineering” proposed by the Joint Committee representing the American Public Health Association, American Society of Civil Engineers, American Water Works Association, and Water Pollution Control Federation.

- a. Addendum: A supplement of any of the Contract Documents issued, in writing, after advertisement of, but prior to the opening of bids for a Contract.
- b. Advertisement: The public announcement, as required by law, inviting bids for work to be performed or materials to be furnished.
- c. Agency: City of Lindsay, California, Party of the First Part of this Contract, or duly authorized agent of the Agency.
- d. Award: The formal action of the governing body in accepting a proposal.
- e. Bid Security: Refers to the certified check, cashier’s check, or surety bond, which is required to be submitted with the Proposal to insure execution of the Contract and the furnishing of the required bonds.
- f. Bidder: Any individual, firm, co-partnership or corporation, submitting a proposal for the work contemplated, acting directly or through a duly authorized representative.
- g. Change Order: A written order issued by the Agency ordering the Contractor to make changes in the work or to perform extra work, and setting forth conditions for payment and adjustment in time of completion.
- h. Contract: The written instrument executed by the Contractor and the Agency by which the Contractor is bound to furnish all labor, equipment and materials and to perform the work specified, and by which the Agency is obligated to compensate the contractor therefore at the prices set forth therein. The Contract Documents are herewith by reference made a part of the Contract as if fully set forth therein.
- i. Contract Documents: The works “Contract Documents” include the Notice Inviting Bids, Information for Bidders, General Conditions, Special Conditions, Specifications, Measurement and Payment, Proposal, Contract Payment Bond, Performance Bond, Plans and Addenda thereto.
- j. Contractor: The party of the second part, or his duly authorized agent, entering into contract with the Agency for performance of the work required by the Specifications. The Contractor is referred to throughout the contract documents as if of a singular number and masculine gender.
- k. Days: Unless otherwise designated, days will be understood to mean calendar days.
- l. District: The City of Lindsay or duly authorized agent of the District.
- m. Engineer: Whenever the Engineer is referred to, it is meant to mean City of Lindsay Engineer, limited in each case to the particular duties entrusted to him, or them.

- n. Inspector: Whenever the Inspector is referred to, it is meant to mean the City of Lindsay.
- o. Labor and Material Bond: A bond furnished by the Contractor and an approved surety, conditioned upon the Contractor promptly paying all monies due persons supplying labor or material to be used in protection of the Contract.
- p. Materials: The word “materials” includes, in addition to material incorporated into the project, equipment and other material consumed in the performance of the work.
- q. Notice of Award: A directive issued by the Agency notifying the Bidder that his proposal for the work contemplated has been accepted.
- r. Notice to Proceed: A directive issued by the Agency authorizing the Contractor to start the work or improvements required in the Contract.
- s. Faithful Performance Bond: A bond furnished by the Contractor and an approved surety, conditioned on the faithful performance and completion of the work covered by the Contractor.
- t. Plans: The approved detail drawings, or exact reproduction thereof, listed in the detail Specifications, which shows location, character, dimensions and details of the work to be done and which is to be constructed as a part of this Contract.
- u. Specifications: All written directions, provisions and requirements governing the procedure to be followed in connection with the performance and execution of the work, the quantities and qualities of materials to be used and the method of measurement of the quantities of work.
- v. Subcontractor: A person, firm, or corporation supplying labor and materials or labor for work at the site of the project as an agent of the Contractor.
- w. Surety: The word “surety” refers to the person, firm or corporation with whom the Contractor joins in assuring the liability for their performance of the contract in accordance with the Plans and Specifications by issuing the bonds required by law.
- x. Work: The word “work” or “improvement” includes any or all of the improvements mentioned and authorized to be made, and the construction, reconstruction and repair of all, or any portion of such improvements, and all labor, services, incidental expenses, and material necessary or incidental thereto.
- y. The terms approved, directed, satisfactory, acceptable, proper, required, necessary, and or equal, shall be defined as meaning as approved, directed, satisfactory, accepted, acceptable, proper, required, necessary, or equal in the opinion of the Engineer.

2-02. Abbreviation.

The abbreviations used in the Plans and Specifications are abbreviations, the meaning of which are established by general usage, throughout the industry, those shown on the standard symbols of the Plans, and those defined hereinafter.

2-03. Supplementary Specifications.

Wherever reference is made within these documents to certain standard specifications, the reference shall be construed to mean the standards, with all subsequent amendments, changes, or additions as thereafter adopted and published that are in effect at the date of approval of the Plans and Specifications.

| | |
|--------|---|
| AASHTO | American Association of State Highway and Transportation Officials (formerly AASHO) |
| ACI | American Concrete Institute |
| AISC | American Institute of Steel Construction |
| AISI | American Iron and Steel Institute |
| ANSI | American National Standards Institute |
| ASME | American Society of Mechanical Engineers |
| ASTM | American Society for Testing and Materials |
| AWG | American Wire Gauge |
| AWS | American Welding Society |
| AWWA | American Water Works Association |
| CRSI | Concrete Reinforcing Steel Institute |
| FS | Federal Specification |
| SSPC | Steel Structures Painting Council |

2-04. Subcontractors and Contracts.

No subcontractor will be recognized as such, and all persons engaged by the Contractor for the furnishing of labor, materials, equipment or any one or more of them, will be considered as employees of the Contractor, except regarding insurance as provided in paragraph 2-14. hereinafter.

Subcontractors may be permitted, to such extent as shall be shown to be necessary of definitely advantageous to the principal Contractor in the prosecution of the work, and in the opinion of the Engineer without injury to the interests of the Agency. The subcontract shall contain a reference to the agreement and all parts thereof shall be made a part of such subcontract insofar as applicable to the work covered thereby. All work and materials furnished by the subcontractor shall be guaranteed by the Contractor and the Agency will hold the Contractor responsible therefore.

2-05. Testing and Rejection.

a. Operational and Field Testing. After all construction is complete and before acceptance, the Contractor shall perform field tests as called for in the Technical Provisions. The Contractor shall demonstrate to the Agency the operation of the facilities for proper sequence of operation and satisfactory performance of the individual components. Any improper operation of the system or improper, neglected or faulty construction shall be repaired or corrected to the satisfaction of the Engineer. The Contractor shall make changes, adjustments or replacement of equipment as may be required to make some comply with the Specifications or replace any defective parts or material.

b. Tests. Materials requiring tests are so specified in the Technical Provisions.

c. Defective Work or Materials. The inspection of the work shall not relieve the Contractor of any of his obligations to fulfill his contract, and defective work shall be made good, and unsuitable materials may be rejected, notwithstanding that such work and materials have been previously overlooked by the Engineer and accepted. If the work, or any part thereof, shall be found defective at any time prior to the final acceptance of the whole work, the Contractor shall forthwith make good such defect, without additional compensation, in a manner satisfactory to the Engineer.

Should it be considered necessary or advisable for the Agency, at any time before final acceptance of the work, to make an examination of work already completed by removing or exposing the work, the Contractor shall, on request, promptly furnish all necessary facilities, labor and materials. If such work is found to be defective in any respect due to fault of the Contractor or any of his subcontractors, he shall defray all the expenses of such examinations and of satisfactory reconstruction. If, however, such work is found to meet the requirements of this Contract, the additional cost of labor and materials necessarily involved in the examination and replacement, plus fifteen percent (15%) shall be allowed the Contractor.

All costs for retesting and re-inspection which are necessitated by defective materials and/or workmanship shall be at the sole expenses of the Contractor.

2-06. Performance of Work.

The work shall be commenced within ten (10) calendar days from the date of the Notice to Proceed and shall be completed by the Contractor within the number of calendar days stipulated in the Contract from the commencement of work. If the work is not completed in accordance with the foregoing, the Agency shall have the right to extend the time for completion if it determines such extension to be in the best interests of the Agency. In case the Agency decides to extend the time limit for the completion of the work, it shall have the further right to charge the Contractor, his executors, administrators, heirs, assigns or sureties, all or any part as the Agency may deem proper, of the actual costs of engineering inspection, supervisors, incidental and other overhead expenses, that are directly chargeable to the Contract and that accrue during the period of such extension, and to deduct the amount thereof from the final payment for the work. However, the cost of the final survey and the preparation of the final estimate will not be included in such charges.

If the work is not completed by the Contractor in the time specified, or within any period of extension as above-authorized, it is understood that the Agency, will suffer damage and it being impractical and extremely difficult to determine the amount of actual damage, it is agreed that the Contractor shall pay to the Agency as fixed and liquidated damages and not as a penalty, the sum specified in the Contract Agreement for each calendar day of delay until the work is completed and accepted and the Contractor and his surety shall be liable for the amount thereof, provided that the Contractor shall not be charged liquidated damages because of any delays in the completion of the work due to unforeseeable causes beyond the control and without the fault or negligence of the Contractor (including, but not restricted to, acts of God, or of the public enemy, acts of the Government, acts of the Agency, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather (such as rain where the contractor's normal operational level is impeded). The Contractor shall, within ten (10) days from the beginning of any such delay, notify the Engineer in writing the cause of the delay; whereupon the Agency shall ascertain the facts and the extent of the delay and extend the time for completing the work when in its judgment the findings of fact justify such an extension; and its findings of fact thereby shall be final and conclusive on the parties thereto.

In the event of a dispute between the parties as to performance of the work, the interpretation of this contract, or payment or nonpayment for work performed, the parties shall attempt to resolve the dispute. If the dispute is not resolved, Contractor agrees to continue the work diligently to completion and will neither rescind this contract nor seek to stop the Contract by order of a court of competent jurisdiction until after the project has been completed, or to arbitration as provided in Paragraph 3-15 of the Special Conditions.

The Contractor must ascertain to his own satisfaction the scope of the project and the nature of any other contracts that have been or may be awarded by the Agency in the project to the end that the Contractor may perform the contract in the light of such other contract, if any. Nothing herein contained shall be interpreted as granting to the Contractor exclusive occupancy of the site of the project. The Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the project. If the performance of any contract for the project is likely to be interfered with by the simultaneous execution of some other contract or contracts, the Agency shall decide which Contractor may proceed. The Agency shall not be responsible for any damages suffered or extra costs incurred by the Contractor resulting directly, or indirectly from the award or performance of any other contract or contracts on the project, or caused by any decision or omission of the Agency respecting the order of precedence in the performance of the contracts awarded for completion of the project.

2-07. Federal Hindrance.

In entering into this contract, it is clearly understood by all parties hereto that conditions may subsequently arise resulting from, connected with, or growing out of any war, in which the United States may be engaged, or any national emergency or condition created directly or indirectly by or for national defense and which are entirely beyond the control of either party, that may hinder, delay or render impossible the performance of this contract in accordance with its terms and conditions.

It is therefore mutually understood and agreed, anything herein contained to the contrary notwithstanding, that in the event the Contractor shall be prevented from performing the contract or any part thereof by reasons of the conditions above stated, the following procedure shall govern.

The Contractor shall, in writing, notify the Agency of his inability to perform, stating in full the reason therefore and the probable durations of such inability. If required, he shall also submit proof or evidence in support of this claim or inability to perform.

If it shall appear to the satisfaction of the Agency that the cause of inability to perform arose after the contract was entered into and is beyond the control of the Contractor, the Agency may:

- a. If lawfully within its power, remove the cause which prevents performance; or
- b. Suspend this contract until the cause of inability to perform is removed; or
- c. With the consent of the Contractor, renegotiate or amend this contract by extending the time of performance or by making changes in the character of the work, or in the materials or equipment required in order to enable performance of the contract; or
- d. Waive performance of that part of the Contract which is impossible, or supply substitute materials for those unavailable. Where this remedy is resorted to, the payment due the Contractor shall be diminished to the extent of the work not required to be supplied, based on a written agreement.

If none of the foregoing procedures are adopted by the Agency within thirty (30) days after the Agency is satisfied and so finds that the Contractor is unable to perform for the reason above stated, then either party hereto may, without incurring any liability, elect to declare this contract terminated upon the going of impossibility of performance. Upon such termination, the Contractor shall be entitled to proportionate compensation at the contract price for such portion of the contract as may have been performed.

2-08. Suspension of Contract.

If the work to be done under the Contract shall be abandoned by the Contractor, or if the Contractor shall make a general assignment for the benefit of his creditors or be adjudicated as bankrupt, or a receiver of his property or business be appointed by a court of competent jurisdiction, or if this Contract shall be assigned by him otherwise than as hereinafter specified, or if at any time the Engineer shall be of the opinion that the performance of the Contract is unnecessarily delayed, or that the Contractor is willfully violating any of the conditions or covenants of the Contract or of the Specifications, or is executing same in bad faith or not in accordance with the terms thereof, or if the work is not fully completed within the time named in the Contract for its completions, or approved extension of such time, the Agency may, by written notice, instruct the Contractor to discontinue all work, or any part thereof, under the Contract.

When such written notice is served upon the Contractor, he shall immediately discontinue the work or such part thereof as is covered by the notice and shall not resume the same except by written instruction from the Agency.

In any case, the Agency may take charge of the work and complete it by whatever method it deems expedient. In doing so, the Agency may take possession of any materials, plant, tools, equipment, supplies, and property of every kind provided by the Contractor for the purpose of his work. The Contractor shall not be entitled to receive any payments after the date of said notice. If upon completion of the work, the total cost of the Agency in connection therewith from the date of said notice to the date of completion exceeds the amount which would have been due the Contractor if the Contract had been completed by him, he shall pay the amount of such excess to the Agency; and in case such total cost shall be less than the amount which would have been payable under the Contract if the same had been completed by the Contractor, then the difference shall be paid to the Contractor in the same manner as the final payment under the Contract.

The Agency also reserves the right of suspending the whole or any part of the work if the Engineer shall deem it for the interest of the Agency to do so and, unless otherwise provided in the Technical Provisions, the Contractor shall have not claim for damages or additional compensation on account of such suspension but will be entitled to so much additional time wherein to complete the Contract as determined in accordance with paragraph 2-06. herein before.

2-09. Protests.

If the Contractor considers any work demanded of him to be outside the requirements of the Contract, or if he considers any instructions, ruling or decision of the Agency or Engineer, or of any inspection, to be unfair, he shall, within ten days after any such demand is made, or instruction, ruling, or decision is given, file a written protest with the Engineer, stating clearly and in detail his objections and the reasons, therefore. Except for such protests and objections as are made of record in the manner and within the time stated herein, the Contractor shall be deemed to have waived and does hereby waive all grounds for protests or objections to such demands, instruction, ruling, or decision of the Engineer.

2-10. Right-of-Way.

The proposed improvements will be installed on public right-of-way and on easements secured for project purposes. The Contractor will be responsible for any encroachments in connection with the required construction pursuant to Section 3-13.

2-11. Loss or Damage.

The Agency 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 to any of the materials or other things used in performing the work, or for injury to any person or persons, either workmen or to the public, or for damage to any property for any cause

which might have been prevented by the Contractor. Against all these injuries or damages to persons and property, the Contractor shall properly guard. The Contractor shall be responsible for any liability imposed by law for any damage to any person or property resulting from defects or obstructions, or from any cause whatsoever during the process of the work, or at any time before final acceptance, and shall indemnify, defend and save harmless the Agency from all suits or actions of every description brought for, or on account of, any injuries or damages received or sustained by any person or persons by reason of the construction of work, or any negligence in guarding the same, of improper materials used in its construction, or of any act of omission of the Contractor.

2-12. Protection of Property and Utilities.

a. Protection of Property. The Contractor shall conduct his operation in such a manner as to avoid injury or damage to adjacent property, improvements, or facilities.

Buildings, trees, ground cover and shrubbery that are not designated for removal, pole lines, fences, guard rails, guide posts, culvert and project markers, signs, pavement, structures, conduits, pipelines and other improvements within or adjacent to the proposed improvements shall be protected from injury or damage. The Contractor shall provide and install suitable safeguards to protect such objects from injury or damage, which objects, if injured or damaged, by reason of the Contractor's operations, shall be replaced or restored to a condition as good as when entered upon the work, or as required by the Specifications.

The Contractor shall be responsible for all damage to streets, roads, highways, canals, ditches, embankments, bridges, culverts or other public or private property, which may be caused by transporting equipment, materials, or men to or from the work. The Contractor shall make satisfactory and acceptable arrangements with the property owner over the damaged property concerning its repair or replacement.

b. Protection of Utilities and Substructures. A diligent search of known utility records has been made in the endeavor to indicate on the plans the nature and location of all utilities which exist within the limits of the work. However, the accuracy or completeness of the utilities on the Plans is not guaranteed. Utility structures and/or service connections to adjacent property may or may not be shown on the Plans.

It shall be the responsibility of the Contractor, before commencing any excavation, to contact all possible owners of utilities within the work area and to ascertain from records or otherwise, the existence, position and ownerships of all utilities, utility structures and service connections. No error or omission regarding said utilities shall be construed to relieve the Contractor from his responsibility in protecting all such facilities.

Utilities with facilities in the area of the work covered by these Specifications include:

- | | |
|---|--|
| 1. GAS LINES: Southern California Gas Company 404 N. Tipton Visalia, CA 93292 Phone 1-800-427-2200 emergency or Phone 559-739-2234 | 2. UNDERGROUND SERVICE ALERT: 1-800-227-2600 or 811 or www.usanorth811.org |
| 3. TELEPHONE SERVICE: Verizon 710 S. Kaweah Exeter, CA 93221 | 4. ELECTRIC POWER: Southern California Edison Co. 2425 S. Blackstone Tulare, CA 93274 |

Phone 559-592-2100

Phone 559-685-3240 (Reg Mgr)

5. IRRIGATION LINES:

Lindsay-Strathmore Irrigation District
23260 Round Valley Road
Lindsay, CA 93247
Phone 559-562-2581

Lindmore Irrigation District
240 West Lindmore Street
Lindsay, CA 93247
Phone 559-562-2534

6. WATER, SEWER & STORM DRAIN LINES:

City of Lindsay
251 East Honolulu
Lindsay, CA 93247
Phone 559-562-7102

7. CABLE T.V.:

Spectrum Communications
375 N. Westwood
Porterville, CA 93257
877-463-0677

8. Fiber Optic Cable
available thru Spectrum
or Verizon

Unless otherwise indicated on the Plans or in these Specifications or unless otherwise cared for by the Agency thereof, all water, gas, oil, or irrigation lines; lighting power, or telephone conduits; sewer lines, house connection lines; sprinkling systems, and other subsurface structure of any nature along the work shall be maintained by the Contractor at his own expense and shall not be disturbed, disconnected, or damaged by him during the progress of the work. Should the Contractor in the performance of the work disturb, disconnect, or damage any of the above, all expenses of whatever nature arising from such disturbance, or the replacement or repair thereof shall be borne by the Contractor.

The Contractor shall be compensated for the cost of locating, repairing damage not due to the failure of the Contractor or exercise of reasonable care, in removing or relocating such utility facilities not indicated on the Plans and in the Specifications with reasonable accuracy and for equipment on the project necessarily idle during such work. The Contractor shall not be assessed liquidated damages for delay in completion of the project when such delay was caused by the failure of the Agency or the owner of the utility to provide for removal or relocation of such utility facilities.

Nothing herein shall be deemed to require the Agency to indicate the presence of existing service laterals or appurtenances whenever the presence of such utilities on the site of the construction project can be inferred from the presence of other visible facilities, such as building, meter junction boxes, on or adjacent to the site of the construction; provided, however, nothing herein shall relieve the Agency from identifying main or trunk lines on the Plans and in the Specifications.

If the Contractor, while performing a contract, discovers utility facilities not identified by the Agency in the contract Plans or Specifications, he shall immediately notify the Agency and the utility in writing. The public utility, where they are the owner, shall have the sole discretion to perform the repairs or relocation work or permit the Contractor to do such repairs or relocation work at a reasonable price.

In any case, should it be necessary to move or temporarily maintain the property of any public utility or other property, the cost of which because of the terms of any franchise or for any other reason must be borne by the Agency thereof, such Agency will, upon proper application by the Contractor, be notified by the Engineer to move or temporarily maintain such property within a specified reasonable time, and the Contractor shall not interfere with said property until after the expiration of the time specified.

If the Contractor discovers any of the following three conditions during excavation or trenching, the conditions shall be reported to the Engineer before the condition is disturbed:

- (1) Materials that the Contractor believes may be hazardous waste, as defined in Section 25117 of the Health and Safety Code, which is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.
- (2) Subsurface or latent physical conditions differing from those indicated.
- (3) Unknown physical conditions of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in this Contract.

The Engineer shall promptly investigate any such report to determine if it justifies an increase or decrease in the Contractor's cost, or a change in the time required for performance of the work. Any dispute with the decision of the Engineer shall not excuse Contractor from proceeding on the basis of established completion dates, but Contractor shall be entitled to contest the Engineer's decision in the normal course of claims resolution as provided for in this Contract.

The right is reserved to the Agency, to governmental agencies, and to owners of public utilities and franchises to enter upon any street, alley, right-of-way, or easement for the purpose of maintaining or of making necessary repairs or changes in property made necessary by the work. The Agency reserves the right during the progress of the work, upon determination of the actual position of the existing utilities and structures, to make changes in the grade or alignment of the pipelines wherever by so doing, the necessity for relocation of such utility structure will be avoided. Such changes will be ordered by the Engineer.

c. Removal, Relocation or Protection of Existing Utilities. In accordance with the provisions of Section 4215 of the California Government Code, the contractor shall not be assessed liquidated damages for delay in completion of the project, when such delay was caused by the failure of the public agency or owner of the utility to provide for the removal or relocation of such utility facilities.

2-13. Observance of Laws and Regulations.

The address given in the Contractor's proposal on which the contract is founded, is hereby designated as the place to which all notices, letters, and other communications to the Contractor shall be mailed or delivered, except that said address may be changed by the Contractor by so notifying the Engineer and Agency in writing. This shall not be construed to preclude the service of any notice, letter, or other communication upon the Contractor personally.

a. Patents or Copyrights. The Contractor shall hold and save the Agency harmless from liability of any nature and kind including costs and expenses, for or on account of any copyrighted or un-copyrighted composition, secret process, patented or unpatented invention, article, or applicant, manufactured, furnished, or used by him in the performance of this contract, including their use by the Agency unless otherwise specifically stipulated in the contract.

b. Labor Standard. Subject to the provisions of Section 1810 to 1817, both inclusive, of the California Labor Code, the time of service of any laborer, workman, or mechanic employed on the work shall be limited and restricted to eight hours during any one calendar day, except as otherwise provided in said sections, and the Contractor shall forfeit, as a penalty to the Agency, \$25.00 for each laborer, workman, mechanic employed in the execution of this Contract by him or any subcontractor under him, for each

calendar day during which such laborer, workman, or mechanic is required or permitted to labor more than eight hours in violation of the provisions of the California Labor Code.

c. Bonds. Upon the execution of this Contract, the Contractor shall furnish to the Agency the bonds required in these Specifications. Said bonds to be in substantially the forms hereto attached and with sureties approved by the Agency. The premium upon all such bonds shall be paid by the Contractor. The Agency will approve any surety company which, at the time of execution of this Contract, is listed in the latest published U.S. Treasury Department list of "Companies Holding Certificates of Authority as Acceptable Sureties on Federal Bonds as Acceptable Reinsuring Companies."

The Contractor shall, and the Contractor does, hereby assume all risks of damage to this Work and material from fire, earthquake, storm, and/or other causes prior to the completion and acceptance of the Contractor's Work, and shall at the Contractor's own cost and expense, repair and/or replace any work or materials damaged or destroyed.

d. Compliance with Laws and Regulations. The Contractor shall keep himself informed of all laws, ordinances and regulations in any manner affecting those employed on the work, or the materials used in the work, or in any way affecting the conduct of the work and of all orders and decree of bodies or tribunals having any jurisdiction or authority over the same. He shall, at all times, observe and comply with all such applicable laws, ordinances, regulations, orders and decrees in effect or which may become effective before completion of this contract; and shall protect and indemnify the Agency against any claim of liability arising from or based upon the violation of any such law ordinance, regulation, order or decree, whether by himself, his employees, or his subcontractors.

Unless otherwise explicitly provided in these Specifications, all permits and licenses necessary to the prosecution of the work shall be secured by the Contractor at his own expenses, and he shall pay all taxes properly assessed against his equipment or property used in connection with the work.

2-14. Insurance Requirements for Contractors.

The 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.

A. 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 risk of loss.

B. Minimum Limits of Insurance. Contractor shall maintain limits no less than:

1. General Liability: \$2,000,000 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 per accident for bodily injury and property damage.
3. Workers' Compensation and Employer's 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.
4. Course of Construction: Completed value of the project.

C. 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.

D. 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 with respect to liability arising out of automobiles owned, leased, hired or borrowed by or on behalf of the contractor; and with respect to liability arising out to 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, or 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.

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

F. Verification of Coverage. Contractor shall furnish the Entity 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.

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.

2-15. Construction Facilities.

a. Power. The Contractor will make arrangement for power and shall pay for all power and installation thereof, required for the execution of the work required to complete this contract.

b. Sanitary Facilities. The Contractor shall provide temporary chemical toilet facilities for the use of all workmen. The toilet building shall be maintained in a sanitary condition at all times and at the completion of construction shall be removed from the site. Pit-type privies shall not be used.

c. Telephone. Any telephone facilities which the Contractor may install in connection with the work shall be made available for use of the Engineer or his representatives without charge; except that any toll charges incurred by the Engineer shall be paid by the Engineer.

d. Storage. The Contractor shall be responsible for the storage of all materials, equipment and so on, which are used in the work. All materials, equipment and articles at the site shall be adequately housed by the Contractor or otherwise protected by him against deterioration and damage. All costs incurred through the failure to provide protection shall be borne by the Contractor during the course of the work.

e. Transportation Facilities. The Contractor shall investigate the ability of transportation facilities and shall make all arrangements necessary for the delivery of materials to be used on the work. The Contractor shall make his own investigation on the condition of available public roads, access right-of-way, and of restrictions, bridge load limits and other limitations affecting transportation and ingress and egress at the site of the work.

f. Dust Control. The Contractor shall refer to Section Four, Dust Control, of the Technical Provisions of these specifications.

g. Drinking Water. The Contractor shall supply pure, cool, drinking water with individual drinking cups or a sanitary bubbler fountain.

h. Safety Measures and Public Conveniences. The Contractor shall provide for the protection of all persons and property at all times. The Contractor shall comply with the recommendations for safe construction methods from the "Manual of Accident Prevention in Construction", published by the Associated General Contractors of America, Inc., to the intent that such provisions do not conflict with the applicable laws. Machinery and equipment shall be guarded in accordance with the requirements of the "Manual of Accident Prevention in Construction", published by the Associated General Contractor of America, Inc., to the extent that such provisions do not conflict with the applicable laws.

The Contractor shall take all necessary measures to protect the work and prevent accidents during the construction. He shall provide and maintain sufficient night lights, barricades, guards, temporary sidewalks, temporary bridges, danger signals, watchmen and necessary appliances and safeguards to properly safeguard life and property. He shall also protect all excavations, equipment and materials with barricades and danger signals so that the public will not be endangered.

The Contractor shall so conduct his operations as to offer the least possible obstruction and inconvenience to traffic and shall have under construction no greater amount of work than he can handle properly with due regard to the rights of the public. Where existing streets are not available for detours, all traffic shall be permitted to pass through the work with as little and inconvenience as possible, unless otherwise authorized by the Engineer.

The Contractor shall be responsible for all damage or injury which may be caused on any property by trespass by the Contractor or his employees in the course of their employment, whether the said trespass was committed with or without the consent or knowledge of the Contractor.

i. Representative for Emergencies. The Contractor shall file with the Engineer, the names, addresses, and telephone numbers of representatives who can be contacted, at any time, in case of emergency. The representatives must fully be authorized and equipped to correct unsafe or excessively inconvenient conditions on short notice.

2-16. Superintendence and Labor Competency.

Whenever the Contractor is not present on any part of the work where it may be desired to give direction, orders given by the engineer shall be received and obeyed by the superintendent or foreman as authorized

representative who may be in charge of the work. Any order given by the Engineer, not otherwise required be in writing by the Specifications, will, on request of the Contractor, be giving or confirming in writing. An authorized representative of the Contractor shall be at the site of the work during working hours.

All superintendents and foremen shall be English-speaking. Any superintendent, foreman, laborer, or other person employed on the work by the Contractor who fails or refuses to perform the work in the manner specified herein, shall be discharged immediately and such person shall not again be employed on the work. When required in writing by the Engineer, the Contractor or any subcontractor shall discharge any person who is, in the opinion of the Engineer, incompetent, unfaithful, disorderly, or otherwise unsatisfactory. Such discharge shall not be the basis of any claim for compensation or damage against the Agency.

2-17. Work Site Maintenance.

- a. Access to Property Adjacent to Work. The convenience of abutting property owners shall be provided for as far as practicable. Convenient access to driveways, houses and buildings adjoining the work shall be maintained and temporary approaches to intersecting streets and alleys shall be provided and kept in good condition. When a section of surfacing, pavement, or a structure has been completed, it shall be opened for use by traffic at the request of the Engineer. In order that unnecessary delay to the traveling public may be avoided, the Contractor, when so ordered by the Engineer or City, shall provide competent flagman whose sole duty shall consist of directing traffic either through or around the work.
- b. Water Hydrant and Utility Valves. The Contractor shall not prevent the free access to water, valves, water hydrants, or gas valves.
- c. Rights to Access. The Contractor shall, at all times, provide proper facilities for access and inspection of the work by the Engineer, his assistants, inspectors, agents, and representatives of public agencies having jurisdiction.

2-18. Use of Explosives.

Explosives shall not be used on this project.

2-19. Drawing and Data to be Furnished by the Contractor.

Shop drawings shall be submitted by the Contractor to the Engineer as called for in the Specifications. A minimum of five (5) copies of all shop fabrication drawings that are required shall be submitted to the Engineer for approval prior to the fabrication or placement of any of all items, three (3) of which will be retained by the Engineer. The remaining drawings, with comments of the Engineer, will be returned to the Contractor.

Approval of shop and working drawings shall indicate only that such drawings generally express the intent of the contract documents and shall not be construed as a complete check. Approval of drawings shall not relieve the Contractor of the responsibility of furnishing all materials and work required by and conforming to the Plans and Specifications. Approval of shop drawings shall, in addition, not relieve the Contractor of the responsibility of accuracy of dimensions; provision of adequate connections and the proper fitting of the work in the completed construction. An effort will be made to discover any errors in sizes of materials, general dimensions and detailed dimensions, but the responsibility for these items shall remain that of the Contractor.

Prior to submittal, the Contractor shall check the shop drawings prepared by subcontractor for accuracy and completeness, especially that the relation to adjoining work is accurately shown. Approval of shop drawings does not authorize any substitution of material or other departure from the requirements of the Contract Documents. Request for such changes shall be made the subject of separate correspondence. Shop drawings

shall be submitted at such a time as will permit the Engineer not less than fifteen (15) days for checking. Any fabrication or other work done prior to the receipt of the approved shop and fabrication drawings shall be done entirely at the Contractor's risk.

The Contractor shall, in addition, file one (1) set of Contract Drawings, herein referred to as "Record Drawings", on which shall be recorded all variations between the work "as-built" and the Contract Drawings or other information specified. The Record Drawings shall be supplemented by any detailed sketches as necessary or directed to indicate fully the work "as-built". The Record Drawings shall be delivered to the Engineer upon completion of the work.

The Contractor shall supply to the Engineer, three (3) copies of the manufacturer's literature for all materials to be used in the project.

2-20. Final Conditions of Work.

Before application is made for the Agency to accept the work, all items of work shall be complete, ready to operate and in a clean condition. All trash, debris, unused building material and temporary structures shall have been removed from the site of the work. Tools and construction machinery not needed for repair and adjustment consequent to operational tests shall not be on the site. The walkways, parking areas and roadway shall be completely swept and broomed.

2-21. General Supervising.

The Engineer shall have the general supervision and direction of the work. He has authority to stop the work whenever such stoppage may be necessary to insure the proper execution of the contract. He shall have authority to reject any work or materials which do not conform to the Contract Documents, to direct the application of forces to such portions of the work as in his judgment is required, to order the force increased or diminished, to direct the sequence of the work and to decide questions which arise in the execution of the work.

2-22. Lines and Grades, Setting Stakes.

The Contractor shall give two working days' notice in writing when he will require the services of the Engineer for laying out any portion of the work. Elevations shown for the various parts of the work refer to the Datum Bench Mark, which will be established by the Engineer near the site. The Engineer shall establish the necessary base lines at the surface of the ground for the construction of the work. From the established base lines, the Contractor shall extend the necessary lines and grades for construction of the work and shall be responsible for the correctness of the same. The Contractor shall preserve all stakes set for lines, grades, or measurements of the work in their proper places until authorized to move them by the Engineer. Any expense incurred in replacing said stakes shall be borne by the Contractor.

Three consecutive points set on the same slope shall be used together in order that any variation from a straight grade can be detected. If any such variation is found, it shall be reported to the Engineer. In the absence of such report, the Contractor shall be responsible for any error in the grade of the finished work.

Prior to any request for construction stakes, the Contractor shall have all utility lines located and marked in the field.

2-23. Inspection.

The Agency shall provide inspection for all work to be performed under the Contract.

Inspectors employed by the Agency shall be authorized to inspect all work done and materials furnished. Such inspection may extend to all or any part of the work, and to the preparation, fabrication, or manufacture of the materials to be used. The inspector will have authority to reject defective material and to suspend any work that is being improperly performed, subject to the final decision of the Engineer.

The inspector will exercise such additional authority only as may, from time to time, be delegated to him by the Engineer.

The Contractor shall notify the Agency or the Engineer two working days in advance of any work to be done in order that inspection services may be provided.

2-24. Materials and Workmanship.

Unless otherwise specified, all material incorporated in the permanent work shall be new. Materials so designated shall be as detailed and shall be of the best commercial quality and suitable for the purpose intended.

All workmanship shall be in conformance with the best trade practices. Particular attention shall be given to the appearance of exposed work. Any work or workmanship not conforming to the best practices shall be subject to rejection.

Preference for Materials. In accordance with the provision of Section 3400 of the California Public Contract Code, a contractor shall be provided a period of not less than 35 days after award of the contract for submission of data substantiating a request for a substitution of "an equal" item.

2-25. Guarantees.

The Contractor shall guarantee all parts of the work against defective materials or workmanship furnished by the Contractor for a period of one (1) year from the date of filing of the "Notice of Completion" of the contract, unless otherwise stipulated.

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 Lindsay 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.

The Contractor shall have the same insurance coverage during corrective work operations as prior to contract acceptance, in accordance with these Standard Specifications.

The contract bonds furnished in accordance with "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.

2-26. Attorney Fees.

If an action is commenced in a court of competent jurisdiction, or if the parties agree to settle a controversy of claim by arbitration, as provided in Section 3-15 of the Special Conditions attached hereto and made a part hereof, and if as a result of such action or settlement, the Agency is afforded any relief, it shall be entitled to its reasonable attorneys', paralegals' appraisers', engineers', and other professionals' fees and costs.

2-27. Subsurface Conditions.

The Contractor shall promptly, and before such conditions are disturbed except in the event of an emergency, notify the Agency of written notice of:

** Subsurface or latent physical conditions at the site differing materially from those indicated on the Contract Documents; or

** Unknown physical conditions at the site, of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

The Agency shall promptly investigate the conditions, and if it is found that such conditions do so materially differ and cause an increase or decrease in the cost of, or in the time required for, performance of the work, an equitable adjustment hereunder shall be made and the contract documents shall be modified by a change order. Any claim of the Contractor for adjustment hereunder shall not be allowed unless the required written notice has been given; provided that the Agency may, if the Agency determines the facts so justify, consider and adjust any such claims consented to before the date of final payment.

2-28. Assignments.

a. Public Works Contracts: Assignment to Awarding Body. In accordance with Section 4551 of the Government Code, the Contractor and subcontractor shall conform to the following requirements. In entering into a public works contract or a subcontract to supply goods, services, or materials pursuant to a public works contract, the Contractor or subcontractor offers and agrees to assign to the awarding body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 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 purchases of goods, services or materials pursuant to the public works contract of the subcontractor. This assignment shall be made and become effective at the time the awarding body tenders final payment to the Contractor, without further acknowledgement by the parties.

b. Submission of Bids: Agreement to Assign. In accordance with Section 4552 of the Government Code, the bidder shall conform to the following requirements; In submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 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 purchasing body pursuant to the bid. Such assignments shall be made and become effective at the time the purchasing body tender final payment to the bidder.

c. Submission of a Bid to a Public Agency Without a License: Misdemeanor; Exceptions: Previous Conviction; Fine: Application.

(1) It is a misdemeanor for any person to submit a bid to a public agency in order to engage in the business or act in the capacity of a contractor within this state without having a license therefore, except in any of the following cases:

- (a) The person is particularly exempted from the provisions of this chapter.
- (b) The bid is submitted on a state project governed by Section 10164 of the Public Contract Code.

(2) If a person has been previously convicted of the offense described in this section, the court shall impose a fine of 20 percent of the price of the contract under which the unlicensed person performed contracting work, or four thousand five hundred dollars (\$4,500) whichever is greater or performed imprisonment in the county jail for not less than 10 days nor more than six months, or both.

In the event the person performing the contracting work has agreed to furnish materials and labor on an hourly basis, "the price of the contract" for the purpose of this subdivision means the aggregate sum of the cost of materials and labor furnished and the cost of completing the work to be performed.

(3) This section shall not apply to a joint venture license, as required by Section 7029.1. However, at the time of making a bid as a joint venture, each person submitting the bid shall be subject to this section with respect to his or her individual licenser.

(4) This section shall not affect the right or ability of a licensed architect or registered professional engineer to form joint ventures with licensed contractors to render services within the scope of their respective practices.

(5) A licensed contractor shall not submit a bid to a public agency unless his or her contractor's license number appears clearly on the bid, the license expiration date is stated, and the bid contains a statement that the representations made therein are made under penalty of perjury. Any bid not containing this information, or a bid containing information which is subsequently proven false, shall be considered non responsive and shall be rejected by the public agency.

2-29. Access to Contractor Records.

Access to all Contractor and Subcontractor records related to work performed under this contract shall be subject to examination and audit by the State Auditor General for a period of three (3) years after final payment under this contract. Such records shall be maintained for a minimum period of three (3) years after final payment is received and shall be available to the State, its representatives, or during the term of this project and for a minimum period of three (3) years after the final payment.

2-30 Payments to the Contractor and Completion.

- a. Payment. The Agency shall make payments as follows:
Request for payments submitted by the Contractor on or before the tenth day of the calendar month, the Agency agrees to pay the Contractor, on the last day of the month, an amount to be determined by taking 95 percent of the approved completed work, proportionate to the amount of the Contract, of labor and materials incorporated in the Work to be performed, and by deducting the aggregate of all previous

payments. The balance of the total Contract Price shall be paid 35 calendar days after the date of filing by the Agency of such Notice of Completion of all the Work to be done under this Contract.

The Agency reserves the right to withhold payments on accounts of:

- (1) Defective work not remedied.
- (2) Failure of the Contractor to make payments properly to subcontractors or for materials or labor.
- (3) A reasonable doubt that the Contract can be completed for the balance then unpaid.
- (4) Default of the Contractor in the performance of the terms and/or conditions of the Contract, or in their performance of any such terms and/or conditions.

b. Substitution of Securities in Lieu of Retainage. Pursuant to Section 22300 of the California Public Contract Code, the Contractor may substitute securities for any money held by the Agency to insure performance of the contract. At the request and expense of the contractor, securities equivalent to the amount withheld shall be deposited with the Agency or with the State or Federally-chartered bank as the escrow agent, who shall return such securities to the contractor upon satisfactory completion of the contract.

Deposit of the securities with an escrow agent shall be subject to a written agreement in the form outlined in Section 22300 of the Public Contract Code. The Agency shall not certify that the contract has been completed until at least 45 days after the filing by the Agency of a Notice of Completion. Securities eligible for investment under said Section shall be those listed in Section 16430 of the California Government Code, bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed upon by the Contractor and the public agency.

c. Working Hours. The Contractor shall comply with all applicable provisions of Section 1810 to 1815, inclusive, of the California Labor Code relating to working hours. The Contractor shall, as a penalty of the Owner, forfeit \$25.00 for each worker employed in the execution of the Contract by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than 8 hours in any one calendar day and 40 hours in any one calendar week, unless such worker receives compensation for all hours in excess of 8 hours at not less than 1-1/2 times the basic rate of pay.

d. Workers Compensation.

(1) 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.

(2) 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 awarding body the following certificate prior to performing the work of the contract: "I am aware of the provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions before commencing the performance of the work of this contract."

e. Protection of Workers in Trench Excavations. As required by Section 6705 of the California Labor Code and in addition thereto, whenever work under the Contract involves the excavation of any trench or trenches 5 feet or more in depth, the Contractor shall submit for acceptance by the Owner or by a registered civil or structural engineer, employed by the Owner, to Whom authority to accept has been delegated, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping, or

other provisions to be made for worker protection from the hazard of caving ground during the excavation, of such trench or trenches. 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 employed by the Contractor, and all costs therefore shall be included in the price named in the Contract Documents. Nothing in this Section shall be deemed to allow the use of a shoring, sloping, or other protective system less effective than that required by the Construction Safety Orders. Nothing in this Section shall be construed to impose tort liability on the Owner, the Engineer, nor any of their officers, agents, representatives, or employees.

**SECTION THREE
SPECIAL CONDITIONS
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**SECTION THREE
SPECIAL CONDITIONS**

3-01. Scope of Work.

The work to be done consists of furnishing all labor, materials, tools and equipment necessary for or incidental to the construction and completion of the 2021 Street Seal & Rubberized Cape Seal Projects in accordance with the Plans and Specifications.

The Contractor shall complete the proposed work in every detail specified. Should any details be omitted from these Specifications, it shall be the responsibility of the Contractor to inform the Engineer.

The Contractor acknowledges that the work called for consists of **2021 Street Seal & Rubberized Cape Seal Projects Revision No. 1** as shown on the plans and called for in the Bid Schedule.

3-02. Time of Performance.

The work shall be completed within the number of calendar days stipulated in the Contract Agreements and the Notice Inviting Bids.

The liquidated damages levy shall apply to the time frame allotted there.

3-03. Payments.

For request for payments submitted by the Contractor on or before the tenth day of the calendar month, the Agency agrees to pay the Contractor, on the last day of the month, an amount to be determined by taking 95 percent of the approved completed work, proportionate to the amount of the Contract, of labor and materials incorporated in the Work to be performed, and by deducting the aggregate of all previous payments. The monthly payments shall be made on the basis of monthly estimates which shall be prepared by the Contractor on a form approved by the Agency. The estimate shall reflect work completed up to and including the last working day of each month. Work completed as estimated shall be an estimate only and no inaccuracy or error in said estimate shall operate to or release the Contractor or any bondsman from damages arising from such work or from enforcing each and every provision of the Contract; and the City shall have the right subsequently to correct any error made in any estimate for payment. The Contractor shall not be entitled to have any payment estimates processed or be entitled to have any payment made for work performed so long as any lawful or proper direction concerning the work or any portion thereof by the Agency shall remain uncompiled with.

Retained amounts shall be limited, except where greater retention is necessary under specific circumstances specifically provided for in this Specification, to the following:

Retention of 5% of payments claimed until construction is complete. Retention shall be paid after 35 calendar days following Notice of Completion filed by City Clerk.

The foregoing condition will not apply to the extent that it may be prohibited by any specific requirement of State or local laws or ordinances.

Contractor may elect to substitute securities for money withheld pursuant to Public Contract Code Section 22300 subject to escrow instructions approved by City.

In addition to the amount which the City may retain as provided above, the City may withhold a sufficient amount or amounts of any payments otherwise due to the Contractor as in its judgment may be necessary to cover (a) payments which may be past due and payable for just claims against the Contractor or any

subcontractor for labor or materials furnished in or about the performance of the work on the Project under the contract; (b) for defective work not corrected; and (c) for failure of the Contractor to make proper payments to any of his subcontractors; and (d) for delays which expose the City to claims from other contractors or suppliers.

The City may apply such withheld amount or amounts to the payment of such claims, in its direction. In so doing, the City shall be deemed the agent of the Contractor and any payments so made by the City shall be considered as a payment made under the contract by the City to the Contractor and the City shall not be liable to the Contractor for such payment in good faith. Such payment may be made without prior judicial determination of the claim or claims. The City will render to the Contractor a proper accounting of such funds disbursed on behalf of the Contractor.

Immediately after execution and delivery of the contract, and before the first partial payment is made, the Contractor shall deliver to the Engineer, (a) a construction commencement and completion program schedule of each of the various subdivisions of work required under the Contract and the anticipated amount of each monthly payment that will become due the contract price, and (b) periodical itemized estimates of work done for the purpose of making partial payments thereon.

At the expiration of thirty-five (35) days after the final acceptance and filing of a Notice of Completion, the Contractor will be paid the remainder of the total contract price after deducting any sums which may be legally retained under this contract.

3-04. Measurement and Payment.

General. Work performed by the Contractor pursuant to the requirements of the Contract Documents will be paid at the unit prices set forth in the Bid Proposal. The quantities of work performed will be measured by the Engineer in accordance with United States Standard Measures.

All miscellaneous work required to complete the contract in accordance with the technical provisions and plans prepared by the Engineer shall be included in and paid for in the items contained in the Bid Schedule and no claim shall be made for extra work on this account.

Payments made to the Contractor as specified herein shall constitute full compensation for all labor, materials, tools, equipment, taxes, fees, royalties, freight and incidentals necessary to the completed work and for performing all work contemplated and embraced under the Contract Documents; also for loss or damage arising from the nature of the work, or from the action of the elements, or from any unforeseen difficulties which may be encountered during the prosecution of the work until the acceptance by the Agency and for all risks of every description connected with the prosecution of the work, also for all expenses incurred in consequence of the suspension or discontinuance of the work as provided in the Contract documents; and for completing the work according to the Specifications. Neither the payment of any estimate nor of any retained percentage shall relieve the Contractor of any obligation to make good any defective work or material. No compensation will be made in any case for loss of anticipated profits.

- a) **Mobilization and Demobilization.** Dust control & Transportation of necessary equipment to and from the site of the work and erection and removal of offices and other necessary temporary structures will be paid at the Contract lump sum price for Mobilization and Demobilization.
- b) **Street Trees Clearance Pruning.** Street Trees Clearance Pruning shall be paid for by a lump sum bid item and shall include all materials, labor, off-hauling of debris and appurtenances required to do the required tree pruning to allow enough clearance for paving machinery.

- c) **Installation of Solar Radar Speed Signs.** The quantity for the Installation of Solar Radar Speed Signs shall be paid per unit price and shall include full compensation for the furnishing all labor, materials, tools, equipment and incidentals necessary to meet these specifications and the requirements of the City of Lindsay.

City will provide sixteen (16) solar radar speed signs and Contractor will install. Contractor to provide all materials & labor necessary for the installation.

- d) **Traffic Control.** This lump sum bid item includes all materials, labor and appurtenances required to maintain traffic control measures for the project limits in accordance the State of California Department of Transportation (CalTrans) Manual of Traffic Controls for Construction and Maintenance Work Zones, latest revision, as required to control and direct traffic in an orderly and safe manner.
- e) **Thermoplastic Striping.** The quantity for striping will be by lump sum price. The unit prices shall include all traffic control, traffic paint (Thermoplastic) and all other labor, materials, equipment and transportation necessary to meet these specifications and all requirements of the City of Lindsay. Stop bars, text, centerlines, bike lanes, bike symbols, school legends, and pavement markets (Fire Hydrant Markets shall also be included), etc. shall be included to match existing conditions.
- f) **Slurry Seal Type II.** The contract price paid per square yard for Slurry Seal Type II shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in the furnishing and placing the rubberized chip with slurry seal type II complete in place, including cleaning the surface and protecting the slurry seal until it has set, all as shown on the plans, as specified in these specifications and as directed by the Engineer.
- g) **Rubberized Cape Seal.** The contract price paid per square yard for rubberized cape seal shall include full compensation for furnishing all labor, materials (slurry seal type II over rubberized chip), tools, equipment and incidentals and for doing all the work involved in the furnishing and placing the rubberized chip with slurry seal type II complete in place, including cleaning the surface and protecting the slurry seal until it has set, all as shown on the plans, as specified in these specifications and as directed by the Engineer.
- h) **Remove & Replace Sidewalk.** City of Lindsay Standard ST-9 Sidewalk shall be installed directed by the Engineer in conformance with these Standard Specifications and these special provisions and shall be paid per square foot unit price.

Existing vegetation and other debris shall be removed as clearing and grubbing and included in this bid item. The Engineer will mark where saw-cutting is necessary to be performed by the Contractor prior to removal of concrete and asphalt that adjoins concrete and asphalt to remain in place. The Contractor shall not damage concrete or asphalt surfacing that is to remain in place.

The Contractor shall perform all necessary earthwork to excavate or place fill to form the sidewalk and curb ramps. All fill material placed under the sidewalk and curb ramps shall be compacted to 95% relative compaction.

The Contractor shall adjust to grade and cast any utility vaults or covers into the sidewalk and curb ramp as directed by the Engineer, if necessary.

Full compensation for all tools, labor, equipment, forms and materials to construct Sidewalk including all staking, earthwork, forming, casting, expansion joints, earthwork to conform the sidewalk to the adjoining

property, finishing, marking, detectable warning surfacing, and grooved border shall be considered as included in the contract price paid per square foot for Sidewalk and no additional compensation will be allowed therefore.

- i) **Remove Tree w/Tree Stump.** This line item shall be paid for each tree w/ stump removed and shall include all materials, labor, equipment, excavation, and removal of debris and no other compensation will be allowed, therefore.
- j) **Asphalt Remove & Replace Area.** The quantity for asphalt remove & replace shall be measured by the square foot. The unit price shall include the removal & replacement of the existing asphalt thickness plus a 6” subgrade. The price shall also include the work necessary to achieve a minimum 95% Relative Compaction on both subgrade and asphalt. The price shall also include all other labor, materials, equipment and transportation necessary to meet these specifications and all requirements of the City of Lindsay.

The total removal is 8” Deep. Under the remove and replace bid item the contractor shall include the price for 2” AC (PG 64-10) over 6” Class II AB.

Areas:

| | | |
|--|-----------------------------------|---|
| Eastwood 2-Cape Seal 49 ft x 5 ft + 10 ft x 69 ft +27 ft x 6 ft | Frazier-Cape Seal 8 ft x 20 ft | Ashland-Cape Seal 25 ft x 5 ft +12 ft x 6 ft |
| Orangewood-Cape Seal 10 ft x 10 ft + 10 ft x 10 ft | Samoa St-Cape 125 ft x 20 ft | Sierra View St-Cape 45 ft x 33 ft |

- k) **Remove & Replace curb & gutter.** Curb and Gutter shall be installed where marked and directed by the Engineer. Curb height can vary by street. It is the contractor’s responsibility to identify where a curb higher than 6” tall will be necessary and bid accordingly. City Standard ST-6 shall be used and curb height modify per street conditions. Backfill material shall be per City Standard detail and up to a maximum of 6” CL II or 12” granite (Subgrade thickness will depend on existing grades)

Barrier Curb and Gutter will be measured by the linear foot along the flow line.

Full compensation for all tools, labor, equipment, forms and materials to construct Barrier Curb and Gutter including all staking, earthwork, forming, casting, expansion joints, curb depressions, finishing, and marking shall be considered as included in the contract price paid per linear foot for Barrier Curb and Gutter and no additional compensation will be allowed therefore.

The minimum asphalt removal shall be 2 ft from gutter lip. Refer to City Standard Detail ST-6 for Curb & Gutter details. The minimum structure required is 2” AC over 4” CL 2 AB (CL 2 Base to be included in the curb & gutter bid item).

3.05- Contract Modifications, Contract Price, Contract Time.

1. **Contract Modifications.** The Agency, without invalidating the Contract and without notice to any Surety, may, at any time, require changes in, additions to, or deductions from the work to be performed or materials to be furnished pursuant to the provisions of the Contract. These will be authorized by a Written Amendment, a Contract Change Order (CCO), or a Work Directive Change. Upon approval of any such document, the

Contractor shall promptly proceed with the Work involved, which will be performed under the applicable conditions of the Contract Documents (except as otherwise specifically provided).

A 10% contingency may be allowed to increase the project amount via CCO's depending on the scope of the CCO and the overall project budget. This 10% contingency is an aggregate total of all CCO's, not CCO's presented on an individual basis.

The City Council, through the City Manager, shall authorize the City Services Director to execute CCO increases so long as they fall within the 10% contingency and there is a nexus to the original scope of work.

For CCO (individual or aggregate) increases that exceed the 10% aggregate contingency and are below 25% increase of the project bid and there is a nexus to the original scope of work, the City Council shall approve and authorize the City Manager to execute the CCO.

For CCO's (individual or aggregate) that exceed 25% of the original bid proposal, and there is a nexus to the original scope of work, City Council shall approve and authorize the City Manager to execute a Supplemental Agreement with the Contractor.

Contractor shall not be entitled to an increase in the Contract Price or an extension of the Contract time with respect to any work performed that is not required by the Contract Documents as amended, modified and/or supplemented. The Contractor shall, when required by the Agency, furnish an itemized breakdown of the quantities and prices used in computing the value of any change that might be ordered.

Notice of any change affecting the general scope of the work or provisions of the Contract Documents (including but not limited to, Contract Price or Contract Time) is required, by the provisions of any bond, to be given to a surety, the giving of any such notice will be the Contractors responsibility, and the amount of each applicable bond will be adjusted accordingly.

If The Agency and Contractor shall execute appropriate Change Orders or Written Amendments covering:

- (a). Changes in the Work which are ordered by the Agency or are agreed to by the Parties;
- (b.) Changes in the Contract price or Contract time which are agreed to by the Parties;
- (c.) Changes in the Contract price or Contract time which embody the substance of any written decision rendered by the Agency; provided that, in lieu of executing any such Change Order, an appeal may be taken from any such decision in accordance with the provisions of the Contract Documents and applicable laws and regulations, but during any such appeal, Contractor shall carry on the work and adhere to the progress schedule.

2. Contract Price. The Contract Price constitutes the total compensation (subject to authorized adjustments) payable to the Contractor for performing the work. All duties, responsibilities, and obligations assigned to or undertaken by the Contractor shall be at his expense without change in the Contract Price.

The Contract Price may only be changed by a Change Order or by a Written Amendment. Any claim for an increase or decrease in the Contract Price shall be based on written notice delivered by the party making the claim to the other party and promptly (but in no event later than thirty days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the amount of the claim with supporting data shall be delivered within sixty days of such occurrence (unless Agency allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by claimant's written statement that the amount claimed covers all known amounts (direct, indirect, and consequential) to

which the claimant is entitled as a result of the occurrence of said event. No claim for an adjustment in the Contract Price will be valid if not submitted in accordance with this Section.

The value of any Work covered by a Change Order or of any claim for an increase or decrease in the Contract Price shall be determined in one of the following methods:

A. Unit Price. Where the Work involved is covered by unit prices contained in the Contract Documents, by application of unit prices to the quantities of the items involved;

1. Where the Contract documents provide that all or part of the work is to be unit price work, initially the contract price will be deemed to include for all unit price work an amount equal to the sum of the established unit prices for each separately identified item of unit price work times the estimated quantity of each item as indicated in the Agreement. The estimated quantities of items of unit price work are not guaranteed and are solely for the purpose of comparison of the Bids and determining an initial contract price. Determinations of the actual quantities and classifications of unit price work performed by the Contractor will be made by the Agency.

2. Each unit price will be deemed to include an amount considered by the Contractor to be adequate to cover the Contractor's overhead and profit for each separately identified item.

3. Where the quantity of any item of unit price work performed by the Contractor differs materially and significantly from the estimated quantity of such item indicated in the Agreement and there is no corresponding adjustment with respect to any other item of work and if the Contractor believes that the Contractor has incurred additional expenses as a result thereof, the Contractor may make a claim for an increase in the Contract Price in accordance with this Section if the parties are unable to agree as to the amount of any such increase.

4. In the case of such an increase or decrease in a major unit item, the use of this basis for the adjustment of payment will be limited to that portion of the change, which together with all previous changes to that item, is not in excess of twenty-five percent (25%) of the total cost of such item based on the original quantity and Contract Unit Price.

5. Should any Contract unit item be deleted in its entirety, payment will be made only for actual costs incurred prior to notification of such deletion.

B. Lump Sum. By mutual acceptance of a lump sum proposal from the Contractor (which may include an allowance for overhead and profit); or

C. Force Account. On the basis of the Cost of the Work (as determined below) plus a Contractor's fee for overhead and profit (as determined below).

Daily force account reports shall be submitted to the Engineer no later than seven (7) days following the performance of said work. The reports shall itemize the materials used, hours and rate of pay of each workman, and the hours and rental rates of each piece of equipment utilized in extra work.

The term "Cost of the Work" means the sum of all costs necessarily incurred and paid by the Contractor in the proper performance of the work. Except as otherwise may be agreed to in writing by the Agency, such costs shall be in amounts no higher than those prevailing in the locality of the Project, shall include only the following items, and shall not include any of the costs itemized in Section 3-05.:

1. Payroll costs for employees in the direct employ of the Contractor in the performance of the Work under schedules of job classifications agreed upon by the Agency and the Contractor. Payroll costs for employees not employed full time on the work shall be apportioned on the basis of their time spent on the work. Payroll costs shall include, but not be limited to, salaries and wages plus the cost of fringe benefits which shall include social security contributions, unemployment, excise, and payroll taxes, workers or workmen's compensation, health and retirement benefits, bonuses, sick leave, vacation, and holiday pay applicable thereto. Such employees shall include foremen at the site, only in the proportion that the claimed extra work applies to all work of the foreman. The costs of supervisory workers shall be considered part of the overhead as allowed per Section 3-05.2.F., Contractor's Fee. The expenses of performing work after regular working hours, on Sunday, or legal holidays, shall be included in the above to the extent authorized by the Agency.

2. Cost of all materials and equipment furnished and incorporated in the work, including cost of transportation and storage thereof, and Suppliers field services required in connection therewith. All cash discounts shall accrue to the Contractor unless the Agency deposits funds with the Contractor with which to make payments, in which case the cash discounts shall accrue to the Agency.

All trade discounts, rebates, and refunds, and all returns from sale of surplus materials and the Contractor shall accrue to the Agency, and the Contractor shall make provisions so that they may be obtained.

3. Payments made by the Contractor to the subcontractors for work performed by subcontractors. If required by the Agency, the Contractor shall obtain competitive bids from subcontractors acceptable to the Contractor and shall deliver such bids to the Agency who will then determine which bids will be accepted. If a subcontract provides that the subcontractor is to be paid on the basis of cost of the work plus a fee, the subcontractor's cost of the work shall be determined in the same manner as the Contractor's cost of the work. All subcontracts shall be subject to the other provisions of the Contract Documents insofar as applicable.

4. Cost of special consultants (including, but not limited to engineers, architects, testing laboratories, surveyors, attorneys, and accountants) employed for service specifically related to the work except that the cost for special consultants employed for purposes of the prosecution or defense of any claims arising out of the work shall not be included in "Cost of the Work".

D. Supplemental costs including the following:

1. The proportion of necessary transportation, travel, and subsistence expenses of the Contractor's employees incurred in discharge of duties connected with the work.

2. Cost, including transportation and maintenance, of all materials, supplies, equipment, machinery, appliances, office and temporary facilities at the site, and hand tools not owned by the workers which are consumed in the performance of the work, and cost less market value of such items used but not consumed which remain the property of the Contractor.

3. Rentals of all construction equipment and machinery and the parts thereof whether rented from the Contractor or others in accordance with rental agreements approved by the Agency, and all costs of transportation, loading, unloading, installation, dismantling, and removal thereof ; all in accordance with terms of said rental agreements. The rental of any such equipment, machinery, or parts shall cease when the use thereof is no longer necessary for the work.

4. Sales, consumer, use, or similar taxes related to the work and for which the Contractor is liable, imposed by laws and regulations.

5. Deposits lost for causes other than negligence of the Contractor, any subcontractor or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable, and royalty payments and fees for permits and licenses.
 6. Losses and damages (and related expenses), not compensated by insurance or otherwise, to the work or otherwise sustained by the Contractor in connection with the performance and furnishing of the work (except losses and damages within the deductible amounts of property insurance established by the Agency for this work.), provided they have resulted from causes other than the negligence of the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable. Such losses shall include settlements made with the written consent and approval of the Agency.
 7. No such losses, damages, and expenses shall be included in the cost of the work for the purpose of determining the Contractor's fee. If, however, any such loss or damage requires reconstruction and the Contractor is placed in charge thereof, the Contractor shall be paid for services a fee proportionate to that.
 8. The cost of utilities, fuel, and sanitary facilities at the site.
 9. Cost of premiums for additional bonds and insurance required because of changes in the work and premiums for property insurance within the deductible amounts established by the Agency.
- E. The term "Cost of the Work" shall not include any of the following:
1. Payroll costs and other compensation of the Contractor's officers, executives, principals (of partnership and sole proprietorships), general managers, engineers, architects, estimators, attorneys, auditors, accountants, purchasing and contracting agents, expeditors, timekeepers, clerks, and other personnel employed by the Contractor whether at the site or in the Contractor's principal or a branch office for general administration of the work and not specifically included in the agreed upon schedule of job classifications referred to in Section 3-05.2.C.1. or specifically covered by Section 3-05.2.C.4. - all of which are to be considered administrative costs covered by the Contractor's Fee.
 2. Expenses of the Contractor's principal and branch offices other than the Contractor's office at the site.
 3. Any part of the Contractor's capital expenses, including interest on the Contractor's capital employed for the work and charges against the Contractor for delinquent payments.
 4. Cost of premiums for all bonds and for all insurance whether or not the Contractor is required by the Contract Documents to purchase and maintain the same (except for the cost of premiums covered by Section 3-05.2.D.9. above).
 5. Costs due to the negligence of the Contractor, any subcontractor, or anyone directly or indirectly employed by any of them or for whose acts any of them may be liable including, but not limited to, the correction of defective work, disposal of materials or equipment wrongly supplied, and making good any damage to property.
 6. Minor expenses such as telegrams, long distance telephone calls, telephone service at the site, expressage, and similar petty cash items in connection with the work.

7. Other overhead or general expense costs of any kind and the costs of any items not specifically and expressly included in Sections 3-05.C. and 3-05.D.

F. Contractor's Fee. The Contractor's Fee allowed to the Contractor for overhead and profit shall be determined as follows:

1. A mutually acceptable fixed fee; or if none can be agreed upon.
2. To the total of the direct costs computed, an allowable markup of 10% for overhead and 5% for profit may be added. The markup shall constitute full compensation for all overhead costs and shall be deemed to include all items of expense and profit. The allowable markup for overhead and profit will be determined according to the work involved and the Contractor's operation. The percentage of markup shall be approved by the Agency.

In case work is performed by a subcontractor, the markup will be added only once to the actual cost of the work, however, the Contractor may add five percent (5%) to the subcontractor price to cover his own overhead and profit.

The amount of credit to be allowed by the Contractor to the Agency for any such change which results in a net decrease in cost shall be the amount of the actual net decrease plus a deduction in the Contractor's fee by an amount equal to ten percent of the net decrease ; and

When both additions and credits are involved in any one change, the adjustment in the Contractor's fee shall be computed on the basis of the net change in accordance with Section 3-05.2.F.

3. Whenever the cost of any work is to be determined pursuant to Section 3-05.2.E., the Contractor shall submit in form acceptable to the Agency, an itemized cost breakdown together with supporting data.

G. Cash Allowances. It is understood that the Contractor has included in the Contract Price all allowances so named in the Contract Documents and shall cause the work so covered to be done by such subcontractors or suppliers and for such sums within the limit of the allowances as may be acceptable to the Agency. The Contractor agrees that;

1. The allowances include the cost to the Contractor (less any applicable trade discounts) of materials and equipment required by the allowances to be delivered at the site, and all applicable taxes; and
2. The Contractor's cost for unloading and handling on the site, labor, installation, costs, overhead, profit, and other expenses contemplated for the allowances have been included in the Contract Price and not in the allowances. No demand for additional payment on account of any thereof will be valid.

Prior to final payment, an appropriate Change Order will be issued as recommended by the Agency to reflect actual amounts due the Contractor on account of work covered by allowances, and Contract Price shall be correspondingly adjusted.

3. Contract Time. The Contract Time may only be changed by a Change Order or a Written Amendment. Any claim for an extension or shortening of the Contract Time shall be based on written notice delivered by the party making the claim to the other party promptly (but in no case later than thirty days) after the occurrence of the event giving rise to the claim and stating the general nature of the claim. Notice of the extent of the claim with supporting data shall be delivered within sixty days of such occurrence (unless Agency allows an additional period of time to ascertain more accurate data in support of the claim) and shall be accompanied by the claimant's written statement that the adjustment claimed is the entire adjustment to

which claimant has reason to believe it is entitled as a result of the occurrence of said event. No claim for adjustment in Contract Time will be valid if not submitted in accordance with the requirements of this Section, 3-05.3.

The Contract Time will be extended in an amount equal to time lost due to delays beyond the control of the Contractor if a claim is made therefore as provided in Section 3-05.3. Such delays shall include, but not be limited to, acts or neglect by the Agency or others performing additional work, or to fires, floods, labor disputes, epidemics, abnormal weather conditions, or acts of God.

All time limits stated in the Contract Documents are of the essence of the Agreement. The provisions of this Section 3-05.3. shall not permit recovery for damages (including but not limited to fees and charges of engineers, architects, attorneys, and other professionals and court and arbitration costs) for delay by either party otherwise excluded by Section 3-05.2.C.4..

3-06. Authority of Engineer.

In these Specifications or in other contract documents where these Specifications govern, the term Engineer shall mean authorized personnel from the City of Lindsay.

The work shall be done under the direction of the Engineer, and the materials used shall comply with these Specifications and to be to the satisfaction of the Engineer. The Engineer shall have authority to stop the work, authority to reject any work or materials which do not conform to the contract documents, to direct the application of forces to such portion of the work as in his judgment is required, to order the force increased or diminished, to direct the sequence of the work and to decide questions which arise in the execution of the work. All work under this contract shall be done under the direction and to the satisfaction of the Engineer.

3-07. Materials Furnished by Agency.

Materials and equipment to be furnished by the Agency will be supplied in accordance with the applicable portions of the Technical Provisions.

3-08. Access to Work.

The City, its inspectors, agents and other employees, shall at all times and for any purpose have access to the work and the premises used by the Contractor, and the Contractor shall provide safe and proper facilities therefore. Furthermore, the City, its inspectors and agents shall, at all times, have immediate access to all places of manufacture where machinery or materials are being manufactured, produced or fabricated for use under these Specifications, and shall have full facilities for determining that all such machinery or materials are being made strictly in accordance with the Specifications. The Contractor shall, whenever so requested, give the Engineer access to the proper invoices, bills of lading, etc., and shall provide scales and assistance for weighing, or assistance for measuring any of the materials.

3-09. Shutdown.

Shutdown periods for existing facilities shall not be necessary for this project.

3-10. Land Survey Monuments.

Land Survey monuments and property marks shall not be moved or otherwise disturbed by the Contractor until an authorized agent of the agency having jurisdiction over the land monuments or property, marks the setting, witnesses or otherwise references their location, and only then as directed by the Engineer.

3-11. Disposal Area.

The Contractor shall use the nearest approved solid waste disposal facility for the disposal of surplus construction material from the work. It is required that any asphalt or concrete excavated from this project shall be taken to an approved recycling center.

3-12. Compaction Tests.

All compaction tests required in accordance with these Specifications will be paid by the City. The cost of repeated compaction tests due to failure of the original test will be charged to the Contractor, at the rate of \$50.00 per retest.

3-13. Permits, City Licenses.

The Contractor shall be required to obtain an encroachment permit as follows:

- a. Encroachment Permit, General. The Contractor shall obtain an encroachment permit from the City of Lindsay Department of City Services, 150 North Mirage, Lindsay, California, before performing any work in public right-of-way areas. Permit fees shall be the responsibility of the Contractor.
- b. Application. Requirements for application of an encroachment permit include:
 1. A certificate of comprehensive general liability insurance furnishing coverage in an amount not less than two million dollars (\$2,000,000) combined single limit and naming the City of Lindsay as an additional insured in the policy.
 2. A surety bond in a form acceptable to City of Lindsay for an amount not less than that specified by the City.
 3. A completed application for encroachment permit signed by the Contractor.
 4. Two (2) sets of Plans and Specifications (provided by the City).
- c. Processing. The Contractor shall provide for the requirements listed in 1. and 2. and shall furnish to the City necessary forms filled with the information pertaining to the Contractor for the requirements listed in 3. The Contractor will furnish the Plans and Specifications to the City of Lindsay Permit Office and will fill in the information pertaining to the City and the project on the forms furnished by the Contractor. Such forms, when filled in by the Agency, will be returned to the Contractor for further processing by the Contractor.
- d. Requirements. The encroachment permit issued by City of Lindsay will contain conditions and requirements. The Contractor shall observe such conditions and requirements. These include:
 1. Traffic control, signs, and safety procedures shall follow the provisions of the Traffic Control Manual of the State of California, Business and Transportation Agency, Department of Transportation;
 2. Trenches shall be backfilled after the end of work each day;
 3. During the performance of work there shall be at least one lane open to traffic and after the end of work each day there shall be at least two lanes open to traffic ; and

4. City Inspector shall be allowed access to the work and shall be allowed to perform such tests as the City Inspectors deem necessary to assure that the work is being performed in conformance with city requirements.

e. City Business License, General. The Contractor shall obtain a City of Lindsay business license from the City of Lindsay Finance Department, 251 East Honolulu, Lindsay, California, before performing any work. License fees shall be the responsibility of the Contractor. This shall pertain to all subcontractors on this project also.

3-14. Contracts with Subcontractors.

Contracts with subcontractors must contain excerpts from “Labor Standards - Instructions”.

The Contractor may utilize the services of special subcontractors on those parts of the work which, under normal contracting practices, are performed by specialty subcontractors. The Contractor shall not award work to subcontractor(s), which, in the aggregate, exceeds fifty percent (50%) of the contract price, unless specifically specified in the bid documents.

The Contractor shall be fully responsible to the City for the acts and omissions of its subcontractors, and of persons either directly or indirectly employed by them, as the Contractor is for the acts and omissions of persons directly employed by it.

The Contractor shall cause appropriate provisions to be inserted in all subcontracts relative to the work to bind subcontractors to the Contractor by the terms of the contract documents insofar as applicable to the work of subcontractors and give the Contractor the same power as regards terminating any subcontract that the City may exercise over the Contractor under any provision of the Contract Documents.

Nothing contained in this contract shall create contractual relations between any subcontractor and the City.

3-15. Claims and Disputes Resolution.

a. Time Limits on Claims. Claims by Contractor must be made within 7 days after occurrence of the event giving rise to such claim, except that claims made due to delay or hindrances which Contractor claims was caused by the City shall be made within 10 days after occurrence of the event giving rise to such claim. Claims must be made by written notice. Failure to make such claim in writing in the time set forth herein shall bar Contractor from recourse for such claim. All claims must be filed on or before the payment date of Final Payment.

b. Claims for Additional Costs.

1. If Contractor wishes to make a claim for an increase in the Contract Price, he shall give the Agency written notice thereof within the time set forth in Paragraph a. above. This notice shall be given by the Contractor before proceeding to execute the work, except in an emergency endangering life or property in which case the Contractor shall, as soon as soon as possible, advise Agency of his intent to do the Work.

2. Increases in Contract Price due to claims shall be calculated based on the force account method detailed in paragraph 3-05.

3. Under no circumstances shall Contractor recover any administrative overhead costs or recover on the basis of any “Home Office” damages formula, “Total Cost” recovery formula, or any other such formula.

c. Claims for Additional Time.

1. If the Contractor wishes to make claim for an increase in the Contract Time, written notice as provided herein shall be given. The Contractor's claim shall include an estimate probable effect of delay on progress of the Work. In the case of a continuing delay only one claim is necessary.
2. If adverse weather conditions are the basis for a claim for additional time, such claim shall be documented by data substantiating that weather conditions were abnormal for the period of time and could not have been reasonably anticipated, and that weather conditions had an adverse effect on the scheduled construction.
3. The Agency shall not be liable for any damages on account of any reasonable delay or hindrance of others.

However, Contractor shall be entitled to an extension of time for any delay or hindrance caused by the Agency. Any delay or hindrance by the Agency which is unreasonable and not within the contemplation of the parties may subject the Agency to a claim for damages. Contractor shall make any claims in writing within the time set forth in Paragraph a., above, for any unreasonable delay or hindrance caused by the Agency, and specifying the cause thereof as required in paragraph d., below.

d. Submittal of Claims. Any disputes relating to this contract, or its breach, which is not imposed on by agreement shall be promptly submitted as a claim to and decided by the Agency's representative who shall issue a written decision on the dispute. Claims shall be submitted by the Contractor to the Agency's Representative with adequate supporting data and include a demand for the Agency's Representative's decision. Adequate supporting data shall include, but is not limited to: a statement of the reasons for the asserted entitlement, the certified payroll, invoice for material and equipment rental, and an itemized breakdown of any adjustment sought.

e. Submission Under Penalty of Perjury. The Contractor shall certify, at the time of submission of a claims, as follows: "I certify under penalty of perjury under the laws of the State of California, that the claim is made in good faith, that the supporting data are accurate reflects the adjustments for which the City is liable."

By: _____
(Contractor's signature)

f. Continue Work During Dispute. In the event of any dispute between the Agency and the Contractor, the Contractor will not stop work, but will prosecute the work diligently to completion in his manner directed by the Agency, and the dispute shall be resolved by a court of law after completion of work. However, all disputes must be submitted by Contractor in accordance with the provisions of Section 3-15.

g. Agency's Review of Claim. The Agency's Representative shall review the facts pertinent to the claim, secure assistance from legal and other advisors, coordinate with the contract administrators, and within the time stipulated in paragraph h. below, render a written decision on the claim. A copy of the decision shall be furnished to the Contractor by certified mail, return receipt requested, or any other method that provides evidence of receipt. The decision of the Agency's Representative shall be final and conclusive except as is otherwise provided herein.

h. Requirement for Filing a Claim. For any claim subject to this Article, the following requirement applies: the claim shall be in writing and include the documents necessary to substantiate the claim. Claims must be filed on or before the date of final payment. Nothing in this subdivision is intended to extend the time limit or supersede notice requirements otherwise provided by contract for a filing of claims.

1. For claims of less than fifty thousand dollars (\$50,000), the Agency shall respond in writing to any written claim within 45 days of receipt of the claim, or may request, in writing, within 30 days of receipt

of the claim, any additional documentation supporting the claims or relating to defenses or claims the Agency may have against the claimant. If additional information is hereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Agency and claimant. The Agency's written response to the claim, as further documented, shall be submitted to the claimant within 15 days after receipt of the further documentation or within a period of time no greater than that taken by the claimant in producing the additional information, whichever is greater.

2. For claims of over fifty thousand dollars (\$50,000) and less than or equal to three hundred seventy-five thousand dollars (\$375,000), the Agency shall respond in writing to all written claims within 60 days of receipt of the claim, or may request, in writing, within 30 days of receipt of the claim, any additional documentation supporting the claim or relating to defenses or claims the Agency may have against the claimant. If additional information is thereafter required, it shall be requested and provided pursuant to this subdivision, upon mutual agreement of the Agency and the claimant. The Agency's written response to the claim, as further documented, shall be submitted to the claimant within 30 days after receipt of the further document, or a period of time no greater than that taken by the claimant in producing the additional information or requested documentation, whichever is greater.

3. If the claimant disputes the Agency's written response, or the Agency fails to respond within the time prescribed, the claimant may so notify the Agency, in writing, either within 15 days of receipt of the Agency's failure to respond within the time prescribed, respectively, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon demand, the Agency shall schedule a meet and confer conference within 30 days for settlement of the dispute.

4. If following the meet and confer conference the claim or any portion remains in dispute, the claimant may file a claim pursuant to Part 3, Chapter 1, Article 1.5, commencing with Section 20104 et seq. of the Government Code. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the claimant submits his or her written claim pursuant to subdivision (a) until the time the claim is denied, including any period of time utilized by the meet and confer conference.

i. Claims Exempt from Review. The procedures and remedies provided in Section 3-15 do not apply to:

1. Any claims by the Agency;

2. Any claim for or respecting personal injury or death or reimbursement or other compensation arising of or resulting from liability for personal injury or death;

3. Any claim or dispute relating to stop payment requests or stop notices;

4. Any claim related to the approval, refusal to approval, refusal to approve, or substitution of subcontractors, regardless to tier, and suppliers.

j. Procedure to Resolve Civil Claims. The Agency and claimant shall follow procedures established for all civil actions filed to resolve claims pursuant to Section 20104.4 of the Public Contract Code.

k. Payment of Undisputed Portion of Claim; Interest on Arbitration Award or Judgment:

1. Agency shall pay claimant such portion of a claim which is undisputed except as otherwise provided in the contract.

2. In any suit filed under Section 20104.4, of the Public Contract Code, the Agency, if applicable, shall be liable for interest at 7% per annum. The interest shall begin to accrue on the date the judgment is filed in a court of law.

1. Suit in Tulare County Only. Any litigation arising out to this Contract shall be brought in Tulare County and Contractor hereby waives the removal provisions of California Code of Civil Procedure Section 394.

3-16. Protection of Existing Facilities.

The Contractor shall be responsible for any loss or damage that may occur to any of the existing facilities or to any new materials or equipment stored at the site of the work, during the life of the contract.

3-17. Protection of Persons and Property.

The Contractor shall adopt every practical means and comply with all laws, ordinances, and regulations in order to minimize interferences to traffic, and inconveniences, discomfort and damage to the public, including the provision of adequate dust control measures. All obstructions to traffic shall be guarded.

The Contractor shall not trespass upon private property and shall be responsible for all injury or damage to persons or property, directly or indirectly, resulting from his operations in completing this work. He shall comply with the laws and regulations of the Agency, County and State, relating to the safety of persons and property, and will be held responsible and required to make good any injury or damage to persons or property caused by carelessness or neglect on the part of the Contractor or subcontractors, or any agent or employee of either during the progress of the work and until its final acceptance.

The Contractor shall protect against injury to any pipes conduits, electrical conduits, lawns, gardens, shrubbery, trees, fences, or other structures or property, public and/or private, encountered in this work except as stipulated elsewhere herein. The Contractor shall be responsible and liable for any injury to such pipe, structures, and property.

3-18. Cultural Resources.

In accordance with the Nation Historic Preservation Act of 1966, (16 U.S.C.470) and PRM 75-27, the following procedures are implemented to insure historic preservation and fair compensation to the Contractor for delays attendant to cultural resources investigations.

In the event potential Historical, Architectural, Archaeological, or Cultural Resources (hereinafter cultural resources) are discovered during subsurface excavations at the site of construction, the following procedures shall be instituted:

1. The Engineer shall issue a "Stop Work Order" directing the Contractor to cease all construction operations at the location of such potential cultural resources find.
2. Such "Stop Work Order" shall be effective until such time as a qualified archaeologist can be called to assess the value of these potential cultural resources and make recommendations to the Engineer. Any "Stop Work Order" shall contain the following:
 - a. A clear description of the work to be suspended;
 - b. Any instructions regarding issuance of further orders by the Contractor for material services;
 - c. Guidance as to action to be taken on subcontractors;
 - d. Any suggestions to the Contractor as to minimization of his costs;

e. Estimated duration of the temporary suspension.

If the archaeologist determines that the potential find is a bonafide cultural resource, the Engineer shall extend the duration of the “Stop Work Order” in writing, and the Contractor shall suspend work at the location of the find.

Equitable adjustment of the construction contract shall be made in the following manner:

1. Time Extension. If the work temporarily suspended is on the “critical path”, the total number of days for which the suspension is in effect shall be added to the number of allowable contract days.

3-19. Taxes.

All bid prices shall include an allowance for all applicable taxes.

3-20. Examination of Specifications and Site of Work. The Bidder is required to examine the site of work, the proposal, the Plans and Specifications very carefully. He shall satisfy himself as to the character and quantities of the work to be performed, the materials to be furnished and the requirements of the contract documents. It is not to be inferred that all of the conditions as shown on the Plans are actually existent, nor shall the Agency or any of its officers be liable for any loss sustained by the Contractor as a result of any variance between conditions shown on the Plans and actual conditions revealed during examination or progress of the work. The submission of a proposal shall be prima facie evidence that the Bidder has made such an examination.

3-21. State Nondiscrimination Clause.

a. During the performance of this contract, Contractor and its subcontractors shall not lawfully discriminate against any employee or applicant for employment because of race, religion, color, national origin, ancestry, physical handicap, medical condition, marital status, age (over 40), or sex. Contractors and subcontractors shall ensure that the evaluation and treatment of their employees and applicants for employment are free of such discrimination. Contractors and subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 12900 et seq.) and the applicable regulations promulgated thereunder (California Administrative Code, Title 2, Section 728.5.0 et seq).

The applicable regulations of the Fair Employment and Housing Commission implementing Government Code Section 12990, set forth in Chapter 5 of Division 4 of Title 2 of the California Administrative Code, are incorporated into this contract by reference and made a part hereof as if set forth in full. Contractor and its subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreement.

b. This Contract shall include the nondiscrimination and compliance provisions of this clause in all subcontracts to perform work under the contract.

3-22. Critical Path and Traffic Control.

The selected Contractor shall develop a critical path schedule and traffic control plan for this project. Said schedules and plans shall be submitted to the Engineer for approval prior to beginning any work. The critical path schedule shall detail the individual phases and shall be date specific (start and finish dates). The traffic control plan shall be developed in accordance with “State of California Manual of Traffic Controls”, latest approved edition. Said plan shall be prepared in plan view showing location and type of traffic control signs used. Local traffic shall be permitted within all work zones during the course of this project. The required critical path and traffic control plan shall provide minimum disruption of local residents. The work plan shall provide access to properties by an acceptable means at the end of each work day.

**SECTION FOUR
TECHNICAL PROVISIONS
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**SECTION FOUR
TECHNICAL PROVISIONS
A. GENERAL**

A1. Work to be Done.

The work to be done under these Specifications shall include the furnishing of all material, labor, equipment and appurtenances necessary for the pre-application, preparation and installation of a Rubberized Cape Seal & Slurry Seal surface treatment on existing street sections in the City of Lindsay, as determined in the Contract Documents, project arial maps, Special and Technical specifications.

A2. General Requirements.

The General Conditions and Special Conditions apply to this division the same as if here written.

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. 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 LINDSAY 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

A3. Ordinances and Codes.

All work must conform to the requirements of the following authorities:

- a. California Administrative Code, Title 24, Building Standards.
- b. California Administrative Code, Title 19, Public Safety and State Fire Marshal.
- c. California Administrative Code, Title 8, Chapter 4.
- d. California Administrative Code, Title 21, Public Works.

Requirements of local and federal enforcing authorities may supersede requirements of these codes and nothing in these Plans and Specifications shall be construed to permit work not conforming to applicable codes.

A4. Beginning and Completion of the Work.

The work shall be commenced within ten (10) calendar days from the date of the Notice to Proceed and shall be completed within sixty-six (66) calendar days from the date of this Notice.

A5. Liquidated Damages.

The Contractor shall, as provided, pay to the Owner as fixed and agreed, liquidated damages for each calendar days' delay in completion of the work beyond the time provided in the Contract, the amount of eight hundred dollars (\$800.00).

A6. Project Coordination.

Prior to beginning work, the Contractor shall provide the Engineer with a schedule of when the various items of work will begin and when they will be completed. Contractor shall provide a representative to coordinate the work with the Engineer. The representative shall be available when necessary during the course of the project.

A7. Contract Drawings.

The location of the work, its general nature and extent and the form and detail of the various features are shown on the included drawings, accompanying and made a part of these Specifications.

A8. Water for Project & Water System.

Reasonable amounts of water for testing, construction and dust control will be furnished by the City of Lindsay and only where approved by the City. The Contractor shall be responsible for all costs associated with obtaining the water, disposing of the water and for ensuring that the water supply is not contaminated through his actions.

The Contractor shall not operate any of the valves or fire hydrants on the City of Lindsay's water system. The Contractor shall notify the City at least seventy-two (72) hours and all affected residents at least forty-eight (48) hours in advance of the need to shut off water. The water shall not be turned off between the hours of 5:00 p.m. and 8:00 a.m. The required notice to all affected residents will consist of distributing a notice on an 8-1/2"x11" sheet of paper to all residents, properties or businesses along the streets that will be without water. The content of the notice, as a minimum, shall include the effected date (or dates), time for shut off and duration, the Contractor's company, Contractor's contacts and phone number(s) and the City's contacts and phone numbers. This notice shall be forwarded to all affected residents as well as The City of Lindsay City Services and Public Safety Department.

A9. Street Trees Clearance Pruning.

The contractor shall be responsible for pruning, in a professional manner, of any street tree located within the limits of work for each of the streets included in the bid schedule. Contractor only to trim the street side of the tree to provide paving machinery clearance. The street side clearance from branches above the top of the curb of the city street shall be a minimum of 10 ft and a maximum of 13 ft.

Contractor shall protect all trees from damages with their paving machines and will be responsible to replace any if the Engineer deems necessary (extensive tree damage).

Contractor shall provide all labor, materials, tools, and off-hauling of debris in the bid line item.

Mid-Valley Disposal is the refuse off hauler for the City of Lindsay and has exclusive rights to provide services within the City of Lindsay Limits. Any roll offs must be provided by Mid-Valley Disposal.

A10. Installation of Solar Radar Speed Signs.

The City will provide to the Contractor sixteen (16) Solar Speed Radar Signs. The Contractor shall provide all labor & materials necessary for the installation. The City will field locate exact sign locations. Contractor will not be responsible for the activation nor the programming of the signs.

A11. Thermoplastic Striping.

This specification covers a hot-melt, retroreflective, thermoplastic traffic marking material that is suitable for producing durable traffic stripes and pavement markings on Portland cement concrete or asphalt concrete pavements. This material is heated and applied to road surfaces in a molten state using a mechanical applicator. While still hot, reflectorizing glass beads are applied to the surface of the applied thermoplastic striping material. Upon cooling to normal pavement temperatures this material shall produce durable, adherent, retroreflective traffic stripes and pavement markings that are capable of resisting deformation by traffic.

Painted traffic stripes (traffic lines) and pavement markings shall be applied in conformance with the provisions in Section 84, "Markings," of the 2018 Caltrans Standard Specifications and these special provisions.

Traffic stripe and pavement marking paint shall conform to the requirements in State Specification PTH-02SPRAY, PTH-02HYDRO, or PTH-02ALKYD.

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

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 mcd m⁻² lx⁻¹. Yellow painted traffic stripes and pavement markings shall have a minimum initial retroreflectivity of 150 mcd m⁻² lx⁻¹.

Traffic stripes and all markings shall be per CALTRANS standards.

Contractor to place street centerline striping, lane line striping, limit lines, directional arrows and crosswalks, Bike lanes & symbols as previously placed before new treatment.

Payment for any striping, marking & signage shall be considered as included in the Thermoplastic Striping contract price bid item and no additional payment will be made, therefore.

Any temporary Striping, marking & signage shall be included in this bid line item and no additional payment will be made.

A13. Cleanup.

Before final inspection, leave the job site neat and presentable and dispose of:

1. Rubbish
2. Excess materials
3. Falsework
4. Temporary structures
5. Equipment

A14. Bid Schedule Quantities Breakdown

Bid Line Item 9, Remove & Replace Sidewalk (Square Feet Unit):

1. Westwood Ave: 25 S.F.
2. Eastwood Ave: 150 S.F.
3. Ashland Ave: 50 S.F.

Bid Line Item 10, Remove Tree w/Tree Stump (Each Unit):

1. Eastwood Ave: 1 Each.

Bid Line Item 11, Asphalt Remove & Replace Area (Square Feet Unit):

1. Eastwood Ave: 1,097 S.F.
2. Frazier Ave: 160 S.F.
3. Ashland Ave: 197 S.F.
4. Oranewood Ave: 200 S.F.
5. Samoa St: 2,500 S.F.
6. Sierra View St: 1,485 S.F.

Bid Line Item 11, Remove & Replace Curb & Gutter (Linear Feet Unit):

1. Laurel Ave: 200 L.F.

**SECTION FOUR
TECHNICAL PROVISIONS
B. MOBILIZATION / DEMOBILIZATION**

B1. General.

Dust Control & Mobilization/Demobilization shall consist of full payment for transportation of all necessary equipment, supplies, tools, etc. for the completion of all work required for this project.

B2. Obstructions.

The Contractor shall be wholly responsible for the preservation and protection of all underground pipes, conduits, and other improvements, whether or not such improvements are shown on the plans. The Contractor shall notify Underground Services Alert at least 48 hours prior to any excavation.

Existing land survey monuments shall be fully protected from damage or displacement and shall not be disturbed unless directed by the City. If any such monuments are disturbed, they shall be replaced by monuments of similar quality and durability to their original location by a licensed land surveyor at the Contractor's expense. Replacement shall be made at no cost to the City.

Water Valve Box, Frames and covers of existing manholes shall be fully protected from damage or displacement and shall not be disturbed unless directed by the City. 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.

B3. Dust Control.

Dust control shall conform to the provisions of Section 18 of the 2018 Caltrans Standard Specifications. Full compensation for dust control shall be considered as included in the mobilization and demobilization Contract bid line item of work and no separate payment will be made, therefore.

B4. Work in City Right of Way.

All of the work shown on the plans and specified herein which is located within the public rights-of-way of the City shall be performed in accordance with city ordinances regulating the use of such public rights-of-way, except as otherwise provided herein. The Contractor shall also familiarize himself with the various regulations and requirements of the City and shall conduct his operations in compliance therewith. Any work required, or necessary, outside of the public right of way shall be held to the same standards as City requirements.

SECTION FOUR
TECHNICAL PROVISIONS
C. TRAFFIC CONTROL

C1. General.

Traffic shall be maintained at those locations indicated and in conformance with the traffic control plans (provided by contractor), these specifications, and the Special Provisions.

The Contractor shall review with the Project Engineer, Director of City Services 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 Project Engineer, Director of City Services and the Chief of Police 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.

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. 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 LINDSAY 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 shall furnish, construct, maintain, and finally remove detours, road closures, lights, signs, barricades, fences, flares, miscellaneous traffic devices, flagmen, drainage facilities, reconstruct paving, and such other items and services as are necessary to adequately safeguard the public from hazard and inconvenience. All such work shall be as provided in the specifications herein and as directed by the City's Representative, and shall comply with the ordinances, directives, and regulations of authorities with jurisdiction over the public roads in which the construction takes place and over which detoured traffic is routed by the Contractor.

Prior to the start of construction operations, the Contractor shall notify the City Police and Fire departments, giving the expected starting date, completion date, and the names and telephone numbers of two responsible persons who may be contacted at any hour in the event of a condition requiring immediate correction.

C2. Construction Signing.

Construction signing used for handling traffic and public convenience shall conform to the State of California, Manual on Uniform Traffic Control Devices (MUTCD)

All signs shall be illuminated or reflectorized when they are used during hours of darkness. All cones, pylons, barricades, or posts used in the diversion of traffic shall be provided with flashers or other satisfactory illumination if in place during hours of darkness.

The signing, barricading, and diverting of traffic shall be subject to the approval of the City, except in areas outside the City limits where encroachment permits issued by other agencies shall govern over these Standard Specifications. The Contractor shall maintain a 24-hour emergency service to remove, install, relocate, and maintain warning devices, and shall furnish to the authority names and telephone numbers of two persons responsible for this emergency service. In the event these persons do not promptly respond or the authority deems it necessary to call out other forces to accomplish emergency service, the Contractor will be held responsible for the cost of such emergency service.

No cross streets or intersecting streets shall be closed without approval of the City or authority with jurisdiction over the public roads in which the construction takes place and over which detoured traffic is routed by the Contractor.

Assign flaggers to:

1. Control traffic
2. Warn the public of any dangerous conditions resulting from the work activities
3. Provide for the passage of traffic through the work as specified for the passage of traffic for public convenience and public safety

Maintain flagging apparel, traffic control devices, and equipment for flaggers in good repair.

C3. Vehicular Traffic Control.

Public traffic shall be permitted to pass through the construction area with as little inconvenience and delay as possible at all locations where approved alternate routes are not available.

No cross streets or intersecting streets shall be closed without approval of the City or authority with jurisdiction over the public roads in which the construction takes place and over which the detoured traffic is routed by the Contractor.

C4. Street Closure.

Should it become necessary, in the Contractor's opinion, to close a particular street, the Contractor shall submit such a request, in writing, to the City for consideration at least 72 hours prior to the time of such proposed closure. The Contractor's request shall include the estimated duration of closure and provisions for traffic control and detours. If the City approves of the plan to close a street, the Contractor shall notify, in writing, the Police Department and the Fire Department of the contemplated closure not less than 48 hours prior to such closure. Should the Contractor fail to give the required notification, the closure will not be allowed until the required notification is given. Except as noted below, under no circumstances will such closure be allowed for a single period exceeding four hours, although the City may allow the road to be closed more than once over the course of the project.

For road closures exceeding the above-stated four hours maximum, the request to the City must be made at least 10 days in advance of the contemplated closure and the Police and Fire Departments must be notified at least 5 days prior to such closure.

C5. Permanent Traffic Controls.

All existing permanent traffic control signs, barricades, and devices shall remain in effective operation unless a substitute operation is arranged for and approved as a portion of vehicular traffic control above.

C6. Pedestrian Traffic Control.

A minimum of one 4-foot wide pedestrian walkway shall be maintained and safely delineated along each public street at all times during construction.

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 Traffic Control contract bid line item of work involved and no separate payment will be made therefore

C7. Access to Adjacent Properties.

Prior to restricting normal access from public streets to adjacent properties, the Contractor shall notify each property owner or responsible person, informing him of the nature of the access restriction, the approximate duration of the restriction, and the best alternate access route for that particular property.

Reasonable access, as determined by the City's Representative, from public streets to all adjacent properties shall be maintained at all times during the construction.

**SECTION FOUR
TECHNICAL PROVISIONS
D. Asphalt-Rubber Chip Seal with A Type II Slurry Seal “Cape”**

A. DESCRIPTION

GENERAL

This project shall consist of a bituminous surface Asphalt Rubber Aggregate Membrane (ARAM) composed of a single application of Asphalt-Rubber material and hot pre-coated 3/8” aggregate. Pre-maintenance (crack sealing) of the existing pavement surface will be recommended by Contractor and approved by the Engineer. Contractor shall include any needed crack sealing in their Slurry Seal Type II or on the Cape Seal Square Yards Bid Line Items as they deem necessary.

This specification requires the application of a specified blend of asphalt-rubber binder material (i.e. a field blend product). This specification expressly determines that the asphalt-rubber binder material specified herein (i.e. a field blend product) and modified binder, rubber modified asphalt or PG 76-22TR (i.e. terminal blend products) are sufficiently different such that they are not functionally equivalent. Therefore, any substitutions for the asphalt-rubber binder material specified herein, such as but not limited to any rubber modified asphalt binder (i.e. a terminal blend product) will not be accepted.

Asphalt-Rubber Chip Seal

2.1 ASPHALT CEMENT

The type and grade of PG asphalt cement utilized to manufacture the Asphalt Rubber binder shall be PG 58-22, PG 64-16 or PG 70-10 which shall comply with requirements in Table #1.

Table #1 – PG Asphalt Cement Grading Requirements

| | |
|----------|------------|
| Climate | PG Grading |
| Cold | PG 58-22 |
| Moderate | PG 64-16 |
| Hot | PG 70-10 |

The exact grade of PG asphalt cement, if different than PG 64-16, shall be determined by the Asphalt Rubber supplier dependent on the specific project requirements.

2.2 GRANULATED RECLAIMED TIRE RUBBER

The CRM shall be produced primarily from the processing of whole automobile and truck tires. The rubber shall be produced by ambient temperature grinding processes only. The gradation of the CRM when tested in accordance with ASTM C-136 (dry sieve only) and using a 100 gram sample, shall meet the requirements in Table #2.

Table #2 - CRM Grading Requirements

| Sieve Size | Reclaimed Tire CRM Percent Passing |
|---------------|------------------------------------|
| #8 (2.36 mm) | 100 |
| #10 (2 mm) | 95 - 100 |
| #16 (1.18 mm) | 45 - 75 |
| #20 (. mm) | --- |
| #30 (600 μm) | 2 - 20 |
| #50 (300 μm) | 0 - 10 |
| #200 (75 μm) | --- |

The use of CRM from multiple sources is acceptable provided that the overall blend of rubber meets the gradation requirements.

The individual CRM particles, irrespective of diameter, shall not be greater in length than 3/16 of an inch (5mm).

The CRM shall have a specific gravity of 1.15 ± 0.05 as determined by, and shall be free of loose fabric, wire and other contaminants except that up to 4 percent (by weight of rubber) calcium carbonate or talc may be added to prevent the rubber particles from sticking together. The rubber shall be sufficiently dry so as to be free flowing and not produce a foaming problem when blended with the hot asphalt cement. The CRM shall be accepted by certification from the approved supplier. The Reclaimed Tire CRM material shall conform to the chemical analysis in Table # 3.

Table #3 - Reclaimed Tire CRM Chemical Requirements

| Test | ASTM Test Method | Minimum | Maximum |
|------------------------|------------------|---------|---------|
| Acetone Extract | D 297 | 6.0 % | 16.0 % |
| Ash Content | D 297 | ---- | 8.0 % |
| Carbon Black Content | D 297 | 28.0 % | 38.0 % |
| Rubber Hydrocarbon | D 297 | 42.0 % | 65.0 % |
| Natural Rubber Content | D 297 | 22.0 % | 39.0 % |

Note: All reclaimed tire rubber CRM shall be certified to have originated in California, and the CRM material will also be certified to have been processed in California, through invoice and bill of lading. (Pub Res Code § 42703(d))

2.4 ASPHALT RUBBER BINDER

The temperature of the blended PG asphalt cement shall not be less than 375° F nor more than 450° F when the CRM is homogeneously blended, in the field. The combined materials shall be reacted for a minimum of

120 minutes after the incorporation of all the CRM. The Asphalt Rubber binder shall meet the requirements in Table #4, when the reaction/interaction is complete.

Table #4 - Specification Limits for (Asphalt Rubber Binder)

| | | Hot Climate | Moderate Climate | Cold Climate |
|---|-----|------------------------|-----------------------------|-------------------------|
| Apparent viscosity, 347° F Spindle 3 @ 12 RPM: cps (ASTM D2669) | Min | 1500 | 1500 | 1500 |
| | Max | 2500 | 2500 | 2500 |
| Cone Penetration, 77° F (25° C), 150g, 5 sec; 1/10 dm (ASTM D217) | Min | 15 | 20 | 25 |
| | Max | 40 | 70 | 100 |
| Softening Point, °F (° C) (ASTM D36) | Min | 170° F (77° C) | 160° F (71° C) | 150° F (66° C) |
| Resilience, 77° F (25° C), % (ASTM D3407) | Min | 45 | 35 | 25 |

The viscosity shall be conducted by using a hand-held HAAKE VISCOMETER, with rotor 1, 24mm in depth x 53mm in height, or equivalent. When applying Asphalt Rubber, the reacted Asphalt Rubber binder shall be maintained at a temperature of not less than 375° F and no more than 425° F. If material in a batch of Asphalt Rubber binder is not used within six hours after the reaction period is complete, heating of the material shall be discontinued. When applying Asphalt Rubber, if the Asphalt Rubber binder temperature cools below 300° F and is then reheated, it shall be considered a reheat cycle. The total number of reheat cycles shall not exceed two (2). The binder materials shall be uniformly reheated to a temperature of not less than 320° F for application. Additional scrap tire CRM may be added to the reheated Asphalt Rubber binder and reacted for a minimum of 120 minutes and shall not exceed 10 percent of the total binder weight. Reheated Asphalt Rubber binder shall conform to the requirements for blended Asphalt Rubber binder.

2.5 ASPHALT RUBBER BINDER FORMULATION

The Asphalt Rubber binder supplier, shall furnish to the Engineer within 15 days of the notice to proceed, the Asphalt Rubber binder formulations which shall contain the following information:

PG Asphalt Cement

Source of PG Asphalt

Grade of PG Asphalt

Percentage of PG Asphalt by total weight of the Asphalt Rubber mixture

Percentage of Asphalt Modifier by total weight of the Asphalt Rubber mixture

Reclaimed Tire Rubber (CRM)

Source of CRM

Grade of CRM

Percentage of CRM and High Natural CRM by total weight of the Asphalt Rubber mixture

2.6 AGGREGATE COVER MATERIAL

Aggregate shall be composed of clean and durable crushed rock or crushed gravel conforming to the following requirements:

If the aggregate is to be crushed stone, it shall be manufactured from sound, hard, durable material of accepted quality and crushed to specification size. All strata, streaks and pockets of clay, dirt, sandstone, soft rock or other unsuitable material accompanying the sound rock shall be discarded and not allowed to enter the crusher.

If the aggregate material is to be crushed gravel, it shall consist of hard, durable fragments of stone or gravel of accepted quality and crushed to specification size. All strata, streaks, pockets of sand, excessively fine gravel, clay or other unsuitable material including all stones, rocks and boulders of inferior quality shall be discarded and not allowed to enter the crusher. The crushing of the gravel shall separate the #4, 3/8 and 1/2 inch sieves and shall have a minimum 95% of the particles with a minimum of one mechanically fractured face and 90% of the particles shall have a minimum of two mechanically fractured faces.

The crushed aggregate or crushed gravel shall not contain more than 8% by weight of flat or elongated pieces and shall be free from wood, roots and vegetable or other organic extraneous matter. The 3/8 inch crushed aggregate or crushed gravel shall have a minimum Cleanness Value (CV) of 80 and shall have a percentage of wear not more than 7 percent at 100 revolutions and not more than 30 percent at 500 revolutions, as determined by ASTM C131 or California Test Method 211.

The crushed aggregate for Asphalt Rubber binder applications shall meet the requirements for gradation given in Table 5.

Table 5 - Aggregate Gradation Requirements –Asphalt Rubber

3/8 inch Asphalt Rubber Aggregate Gradation

| Sieve Size | Percent Passing |
|--------------------|-----------------|
| 1/2 inch (12 mm) | 95-100 |
| 3/8 inch (9 mm) | 70 – 85 |
| 1/4 inch (4.75 mm) | 0 – 15 |
| #8 (2.36 mm) | 0 – 5 |
| #200 (75 µm) | 0 – 1 |
| --- | --- |

The aggregate to be utilized shall be hot pre-coated with 0.5 to 1.0 percent PG asphalt cement. The Engineer shall determine the appropriate amount of pre-coat. At no time shall the bag house fines be allowed to be reintroduced back into the hot coated aggregate. The pre-coated aggregate shall have a “salt and pepper” appearance and shall be supplied to the project site at 225° F to 325° F.

3. EQUIPMENT

GENERAL

The equipment used by the contractor for pavement cleaning and excess aggregate removal shall include operational top dumping pick-up brooms.

ASPHALT RUBBER EQUIPMENT

All equipment utilized in the production and application of AR binder material shall be described as follows:

A PG asphalt cement heating tank with a hot oil heat transfer system or a retort heating system capable of heating the PG asphalt cement to the proper temperature for blending with the CRM.

An Asphalt Rubber mechanical blender shall have a two-stage continuous mixing process capable of producing a homogenous blend of PG asphalt cement and CRM, at the mix design specified ratios, as directed by the engineer. The mechanical blender shall be equipped with a granulated rubber feed system capable of supplying the PG asphalt cement feed system, as not to interrupt the continuity of the blending process. The maximum capacity of the primary blending vessel shall be 500 gallons. Both the primary and secondary blenders shall be equipped with an agitation device orientated vertically in the blending vessel. The mechanical blender shall be capable of fully blending the individual modifier particles (CRM) with the PG asphalt cement. A separate PG asphalt cement feed pump and finished product pump are required. This unit shall have a PG asphalt cement totalizing meter in gallons and a flow rate meter in gallons per minute.

A distributor truck equipped with a heating unit, and an internal mixing device capable of maintaining a uniform mixture of PG asphalt cement and CRM. It shall be equipped with a full circulating spreader bar and pumping system capable of applying the Asphalt Rubber binder material within a 5% tolerance of the specified application rate, and must achieve a uniform covering of the surface to be treated. The distributor shall have a boot board on the rear of the vehicle and a bootman shall accompany the distributor. The bootman shall ride in a position so that all the spray bar tips are in full view and readily assessable for unplugging, if a plugged tip should occur. The distributor truck shall also require a thermometer and a computer rate control (CRC)

AGGREGATE COVER MATERIAL SPREADER

The cover material (chip) spreader shall be a self-propelled machine with an aggregate receiving hopper in the rear, belt conveyors to carry the pre-coated aggregate to the front, and a full width spreading hopper. The spreader shall be in good mechanical condition and shall be capable of applying the cover aggregate uniformly across the spread width and at the specified application rate, and heat-treated belts should be installed on the chip spreader.

ROLLING EQUIPMENT

Sufficient rollers shall be used to cover the width of the aggregate spread with one pass. The first pass shall be made immediately behind the aggregate spreader as the aggregate is being placed. Three (3) complete passes with the pneumatic tire rollers shall be made. The pneumatic-tired rollers' shall carry a minimum loading of 3,000 pounds on each wheel and a minimum pressure of 90 pounds per square inch in each tire. Foam filled tires can be utilized.

HAULING EQUIPMENT

Trucks for hauling the pre-coated cover aggregate shall be tailgate discharge and shall be equipped with a device to lock onto the hitch of the cover material spreader. Haul trucks shall also be compatible with the cover aggregate spreader so that the dump bed will not push down on the spreader when fully raised or have too short of a bed which results in aggregate spillage while dumping into the receiving hopper.

4. CONSTRUCTION METHODS

GENERAL

Immediately prior to the application of the Asphalt Rubber binder chip seal application, the surface shall be clean in order to insure adequate adhesion of the Asphalt Rubber to the existing pavement surface.

WEATHER CONDITIONS

Asphalt Rubber binder material shall be applied only when the existing surface is dry and the atmospheric temperature is above 50° F and rising. No material shall be applied when predicted chance of rain is higher than 75 % or when the wind is in excess of 20 mph, as directed by the Engineer.

ASPHALT RUBBER BINDER - MIXING AND REACTION

Concerning the Asphalt Rubber binder, the percentage of Reclaimed Tire Rubber CRM shall be a minimum of 18 percent by weight of the total Asphalt Rubber mixture; the exact CRM content shall be determined by the binder design submitted by the Asphalt Rubber supplier. During Asphalt Rubber binder manufacture the CRM percentage shall not fluctuate by more than 1 (one) percent by weight of total Asphalt Rubber mixture, as determined by the original laboratory binder design.

The temperature of the PG asphalt cement shall be between 375° F and 450° F at the addition of the CRM. The PG asphalt cement, CRM shall be combined and mixed together in the Asphalt Rubber binder and reacted in the distributor truck or a reaction vessel for a minimum period of 120 minutes from the time the CRM is blended with the PG asphalt cement. The temperature of the Asphalt Rubber binder shall be above 375° F during the reaction period but shall not exceed 425° F at any time.

When a job delay occurs after full reaction, the Asphalt Rubber binder may be allowed to cool. For application, the Asphalt Rubber binder shall be re-heated slowly just prior to application to a temperature between 375° F and 425° F. An additional quantity of PG asphalt cement and/or CRM may be added to only to Asphalt Rubber binder as required to produce a material with the appropriate viscosity.

APPLICATION OF ASPHALT RUBBER BINDER

Placement of the Asphalt Rubber shall proceed only under the following conditions:

The pavement surface temperature shall be 60° F and rising.

The pavement surface is clean and dry.

The wind conditions do not exceed 20 mph.

All of the construction equipment such as the Asphalt-Rubber distributor, aggregate spreader, haul trucks loaded with cover material, rollers and brooms are in position and ready to commence placement operations.

Chance of rain does not exceed 75%.

Asphalt Rubber binder shall be applied to the roadway following the mixing, reacting and blending of Asphalt Rubber binder at a rate of 0.55 to 0.65 gallons per square yard.

Distributor bar height, tip size, distribution, speed and shielding materials shall be utilized to reduce the effects of excess wind upon the spray distribution (fan), of each binder. The Engineer shall delay or reschedule work when high gusting or dusty winds in excess of 20 mph prevent or adversely affect binder or aggregate application.

The application of Asphalt Rubber binder to areas not accessible with the distributor bar on the distributor truck shall be accomplished by using a squeegee or other means approved by the Engineer.

The contractor shall comply with all Federal, State and Local environmental laws, regulations and ordinances.

APPLICATION OF AGGREGATE COVER MATERIAL

The 3/8-inch cover material shall be applied immediately onto the Asphalt Rubber membrane at a rate of 30 to 32 pounds per square yard. The actual rate selected within this range will be determined in the field based on the appearance of the Asphalt Rubber chip seal after initial rolling.

At the time of application, the temperature of the aggregate shall range from 225° F to 325° F.

ROLLING

Sufficient rollers shall be used for the initial rolling to cover the width of the aggregate spread with one pass. The first pass shall be made immediately behind the cover material spreader (chip-box) as the aggregate is being placed. If the spreading is stopped for an extended period, the cover material spreader (chip-box) shall be moved ahead or off the chip seal surface so that all cover material may be immediately rolled. Three complete passes shall be made with the pneumatic rollers. If a steel wheel roller is used, the pneumatic tire rollers shall be operated in front of the steel wheel roller.

SWEEPING

Sweeping shall be a multi-step operation following final rolling of the aggregate. Mechanical pickup brooms shall be used to remove loose material without dislodging the aggregate set in the Asphalt-Rubber. The initial sweeping shall be performed within one-hour from the start of the Asphalt-Rubber Chip Seal placement.

The Asphalt-Rubber Chip Seal placement shall be maintained free of loose screenings for a minimum of two working days following placement. During this period, the surface shall be swept as necessary to remove any loose cover material as directed by the Engineer. Final sweeping shall be completed, and all loose aggregate shall be removed prior to acceptance. The sweeping operations shall be accomplished with the use of nylon gutter brooms. The number of sweepers shall be determined by the amount of production for the day. **One operational sweeper shall be working for every 10,000 square yards of chip seal placed for the day. Therefore, if a contractor is intending to perform 30,000 square yards per day, a minimum of 3 operated sweepers shall be used throughout the construction process.**

Immediately upon opening the street to traffic, the Contractor shall start removing loose aggregate from parkways, sidewalks, and intersecting streets. Both operations shall continue until all excess or loose aggregate is removed from the roadway surface and abutting adjacent areas.

TRAFFIC CONTROL

The speed of the hauling equipment shall not exceed 15 miles per hour when traveling over a membrane that has not had sufficient time to properly set. All barricades, signage and traffic control procedures for the traveling public shall follow current MUTCD (Manual on Uniform Traffic Control devices) standards.

5. METHOD OF MEASUREMENT

Asphalt Rubber Binder

The Asphalt Rubber binder shall be measured by the square yard at the specified application rate for Asphalt Rubber binder and approved by the Engineer.

Cover Aggregate Material

The quantity of the cover aggregate material shall be measured by the square yard and approved by the Engineer.

BASIS OF PAYMENT

Payment shall be made at the contract unit price per square yard for Asphalt Rubber binder application and the cover aggregate material per square yard.

These prices shall be full compensation for furnishing all materials and for all preparation, hauling and application of the materials, including labor, equipment, tools and incidentals necessary to complete the item.

SLURRY SEAL

6.1 SCOPE

Slurry Seal shall consist of mixing asphalt emulsion, aggregate, and water and spreading the mixture on a surfacing or pavement where shown on the plans, as specified in these specifications and the special provisions, and as directed by the Engineer.

6.2 MATERIALS

The materials for slurry seal immediately prior to mixing shall conform to the following requirements:

(a) Asphalt Emulsion

Asphalt emulsion shall be a cationic quick-setting type conforming to the requirements for PMCQS-1H grade under Caltrans Standard Specifications 2010, Section 94, Table 4, requirements for "Quick Setting Asphalt Emulsion".

(b) Water

Water shall be potable, free of harmful salts and shall be of such quality that the asphalt will not separate from the emulsion before the slurry seal is in place in the work.

(c) Aggregate

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. Aggregates shall be 100% crushed with no rounded particles. The percentage composition by weight of the aggregate shall conform to one of the following gradings:

| SIEVE SIZES | TYPE II | TYPE III |
|--|----------|----------|
| 3/8" | 100 | 100 |
| No. 4 | 90-100 | 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 |
| Theoretical asphalt content, % dry aggregate | 7.5-13.5 | 6.5-12 |
| Approx. application rate (pound per square yard) | 12-18 | 15-25 |

The aggregate shall also conform to the following quality requirements:

| TESTS | CALIF. TEST | ASTM TEST | REQUIREMENTS |
|-----------------|-------------|-----------|--------------|
| Sand Equivalent | 217 | D2419 | 55 Min. |

6.3 PROPORTIONING

Asphalt emulsion shall be added at a rate of from 12 to 18%. A job mix design shall be submitted by the Contractor for approval by the Engineer that conforms to the specification limits, and that is suitable for the traffic, climate conditions, curing conditions and final use.

The Slurry Seal mixture shall be proportioned by the operation of a single start/stop switch or lever which automatically sequences the introduction of aggregate, emulsified asphalt, admixtures, if used, and water to the pugmill.

Calibrated flowmeters shall be provided to measure both the addition of water and liquid admixtures to the pugmill. If necessary for workability, a retarding agent, that will not adversely affect the seal, may be used.

Water, and retarder if used, shall be added to ensure proper workability and (a) permit uncontrolled traffic on the slurry seal no more than three (3) hours after placement without the occurrence of bleeding, raveling, separation or other distress; and (b) prevent development of bleeding, raveling, separation or other distress within seven (7) days after placing the slurry seal.

Uniformity of distribution of asphalt will be determined by extraction tests in accordance with California Test 310. The average bitumen ratio (pounds of asphalt per 100 pounds of dry aggregates) shall not vary more than five (5) percent above or below the amount designated by the Engineer. This requirement shall apply to samples taken from any location or operation designated by the Engineer.

6.04 MIXING

The Slurry Seal shall be mixed in a self-propelled mixing machine equipped with a continuous flow pugmill capable of accurately delivering and automatically proportioning the aggregate, emulsified asphalt, water and admixtures to a double shafted, multiblade pugmill mixer capable of minimum speeds of 200 revolutions per minute.

A minimum of two mixing machines shall be maintained on each project of a 10 cubic yard or larger capacity. The slurry seal retention time in the pugmill shall be less than three seconds. The mixing machine shall have sufficient storage capacity of aggregate, emulsified asphalt, and water to maintain an adequate supply to the proportioning controls.

The mixing machine shall be equipped with hydraulic controls for proportioning the material by volume to the mix. Each material control device shall be calibrated, properly marked, preset and lockable at the direction of the Engineer. The mixing machine shall be equipped with a water pressure system and nozzle type spray bars to provide a water spray immediately ahead of the spreader box.

The mixing machine shall be equipped with an approved fines feeder that provides a uniform, positive, accurately metered, pre-determined amount of a mineral filler, if used, at the same time and location that the aggregate is fed.

6.05 SPREADING EQUIPMENT

The slurry mixture shall be uniformly spread by means of a controlled spreader box. The spreader box shall be capable of spreading a traffic lane width and shall have strips of flexible rubber belting or similar material on each side of the spreader box and in contact with the pavement to prevent loss of slurry from the box and the box shall have baffles, or other suitable means, to insure uniform application on super-elevated sections and shoulder slopes.

The rear flexible strike-off blade shall make close contact with the pavement and shall be capable of being adjusted to the various crown shapes so as to apply a uniform seal coat.

Slurry mixture, to be spread in areas inaccessible to the controlled spreader box, may be spread by other approved methods.

6.06 PLACING

The slurry seal shall not be placed if either the pavement or the air temperature is below 55°F and falling, but may be applied when both the air and pavement temperature is 50°F or above and rising. The mixture shall not be applied if high relative humidity prolongs the curing beyond a reasonable time.

Before placing the slurry seal, the pavement surface shall be cleaned by sweeping, flushing or other means necessary to remove all loose particles of paving, all dirt and all other extraneous material.

Prior to 48 hours before beginning slurry seal operations, the contractor shall notify all residents, businesses and agencies by an approved written notice detailing streets and limits of work to be done and the hours of work. The contractor shall also 48 hour post all streets that are to be worked upon with temporary "No Parking - Tow Away" signs at 100 foot intervals on Tulare Rd and at 50 ft intervals at Harvard Ave and Downtown area. These signs shall also state the day of the week and hours of no parking.

Immediately before commencing the slurry seal operations, all surface metal utility covers (including survey monuments) shall be protected by thoroughly covering the surface with an appropriate adhesive and oiled or plastic paper. No adhesive material shall be permitted to cover, seal or fill the joint between the frame and cover of the structure. Covers are to be uncovered and cleaned of slurry material by the end of the same workday.

Hand tools shall be available in order to remove spillage. Ridges or bumps in the finished surface will not be permitted. The mixture shall be uniform and homogeneous after spreading on the surface and shall not show separation of the emulsion and aggregate after setting.

Adequate means shall be provided to protect the slurry seal from damage from traffic until such time that the mixture has cured sufficiently so that the slurry seal will not adhere to and be picked up by the tires of the vehicles.

6.07 MEASUREMENT (BY SQUARE YARD)

Slurry seal will be measured and paid for by the square yard for the actual surface area covered.

PAYMENT (BY SQUARE YARD)

The contract price paid per square yard for slurry seal shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved in the furnishing and placing the slurry seal complete in place, including cleaning the surface and protecting the slurry seal until it has set, all as shown on the plans, as specified in these specifications and as directed by the Engineer.