

- **TO:** Mayor and Councilmembers
- **FROM:** Charles W. Ebeling, Public Works Director
- **CONTACT:** Debbie Talarico, Project Manager
- **SUBJECT:** Approval of Plans and Specifications, and Authorization to Advertise for Bids for the 2020-2021 Pavement Rehabilitation Project

RECOMMENDATIONS:

- A. Approve Plans and Specifications for the 2020-2021 Pavement Rehabilitation Project; and
- B. Authorize staff to advertise a notice inviting bids for the 2020-2021 Pavement Rehabilitation Project.

BACKGROUND:

The City of Goleta owns approximately 85 centerline miles of roadways, which consist of paved surfaces primarily for vehicular traffic including cars, bicycles, buses, and trucks. Pedestrians also use portions of the paved surfaces at intersections and when traveling along roadways without sidewalks. Roadways also consist of medians, curb, gutter and sidewalk, landscaped areas, and traffic control devices such as traffic signs and signals. The City of Goleta's paved roadway surface, typically asphalt concrete, has a replacement value of \$221 million, making just the pavement itself the most valuable asset the City owns. To maintain this asset, the City uses a Pavement Management Program (PMP). The PMP consists of tracking the condition of the pavement and, based on the condition, developing periodic pavement maintenance activities and projects. Pavement maintenance ranges from pothole repair and crack sealing to slurry seals, overlays, and reconstructions.

The PMP is also a critical planning tool to assist staff in establishing a list of priority roadways to be included in the City's annual pavement rehabilitation projects. In addition to the PMP recommendations, the paving priority list is developed based on public input and staff's experience and understanding of the roadway network. In November 2020, Public Works staff presented a PMP update and a proposed paving priority list to City Council. At that meeting City Council approved the paving priority list and directed staff to proceed with design for the combined 2020-2021 Pavement Rehabilitation Project based on the paving priority list.

DISCUSSION:

The City constructs an Annual Pavement Rehabilitation Project as part of the PMP and to effectively maintain the City's entire roadway network. Last year the City decided to delay the 2020 paving project and combine it with the 2021 paving project. This allowed time to complete a PMP update with a shortage in staffing and the uncertainty of the COVID-19 Pandemic. The City developed and City Council approved a 2-year paving priority list of roadways to be designed and included in the 2020-2021 Pavement Rehabilitation Project.

On September 17, 2019, City Council authorized staff to execute Amendment No. 2 to Professional Design Services Agreement No. 2017-023 with Pavement Engineering, Inc. (PEI) to provide design for the combined 2020-2021 Pavement Rehabilitation Project. Public Works, in collaboration with PEI, have completed design of the 2020-2021 Pavement Rehabilitation Project plans and specifications. The Goleta Municipal Code (GMC), Section 3.05.170(C) and Section 3.05.210(A), requires City Council authorization prior to publication of a notice inviting bids for construction projects more than \$200,000. The project team has completed design for the project and is prepared to advertise for bids for the subject project upon City Council's approval and authorization. A notice to invite construction bids will be published in a public newspaper and the notice will be posted on the City's website. Public Works anticipates returning to City Council with a proposed construction contract for award in Summer 2021.

The plans and specifications include priority roadway segments for the Base Bid and also additional roadway segments included as Bid Additive Alternates. The Base Bid roadway segments must be awarded; however, the Bid Alternate roadway segments may be added to the construction contract in any order based on bid amounts received and available budget. The entire Base Bid and Bid Alternates cost estimates are significantly higher than the available budget. However, they were included to provide the City flexibility in selecting Bid Alternate roadway segments to include at the City's discretion. Public Works will provide a recommendation for Base Bid and Bid Alternates for City Council's consideration when City staff returns to City Council for award of the construction contract. The roadway segments and estimated costs for the Base Bid and Bid Alternates are shown in the following table:

Alternate	Location	Estimated Cost	
Base Bid	Cathedral Oaks Rd (Calle Real to Winchester Canyon), Cathedral Oaks Rd (Alameda to Glen Annie), Glen Annie Rd (Cathedral Oaks to Calle Real), Kellogg Ave (Hollister to Kellogg Way), and Hollister Ave (South Kellogg Ave to Kinman)	\$ 3,000,000	
Alternate A	Calle Real (Sonoma to Glen Annie)	\$ 900,000	
Alternate B	Coloma Drive (Carlo to Vega)	\$ 150,000	
Alternate C	Evergreen Drive (Brandon to Cathedral Oaks)	\$ 650,000	

Alternate D	Forest Drive (Evergreen South to Evergreen North)	\$ 250,000
Alternate E	Hillview Drive (Evergreen South to Evergreen North)	\$ 200,000
Alternate F Cathedral Oaks Road (Glen Annie to Bridge Deck)		\$ 2,350,000
	TOTAL	\$7,500,000

The plans and specifications for the project consist of the plan sheets, bid documents, the City general provisions, and project special provisions. The specifications also incorporate by reference the City adopted engineering standards, APWA Greenbook Standard Specification and Standard Plans for Public Works Construction (current edition including applicable amendments), Caltrans Standard Plans and Specifications (current edition), Occupational Safety and Health Administration (OSHA) regulations, the California Manual of Uniform Traffic Control Devices (CMUTCD), and the Caltrans Construction Manual. The full set of plans and contract specifications are available on the City website as part of this City Council agenda item. Public Works recommends that the City Council approve these plans and specifications and authorize staff to advertise for construction bids for the project.

FISCAL IMPACTS:

The following table shows the total estimated project costs with the construction costs shown based on the current project budget.

Project Components	Estimated Costs	Funding Source	Funding Amounts	
Staff	\$ 102,000	General Fund (101)	\$ 525,000	
Project Management (Consultant)	\$ 165,000	Gas Tax (201)	\$ 2,245,600	
Design (Consultant)	\$ 525,000	RMRA (203)	\$ 1,098,000	
Construction	\$ 3,000,000	Measure A (205)	\$ 688,700	
Construction Contingency/CCO	\$ 600,000	LSTP (306)	\$ 234,700	
CM (Consultant)	\$ 400,000			
Total:	\$ 4,792,000	Total:	\$ 4,792,000	

Project Cost Estimates

Project Cost Estimates

There is currently approximately \$4,090,89 of construction funds available for the 2020-2021 Project in Gas Tax, SB1 Road Maintenance and Rehabilitation Account (RMRA), Local Surface Transportation Program (LSTP), and Measure A funding. Based on the current estimate the City would only be able to award the Base Bid roadway segments and additional funding would be necessary to award any of the Bid Alternates roadway segments. Following the receipt of bids, Public Works may request additional funding appropriation at the time the contract is recommended for award.

The table below summarizes the FY 20/21 project budget amounts and funding source accounts:

Project: 2020-2021 Pavement Rehabilitation Project				
Account	Fund Type	FY 2020-21 Current Budget	Encumbrances	Total Remaining
101-50-5800-51073	General Fund	\$ 368,956	\$ 99,827	\$ 269,129
201-50-5800-51073	Gas Tax	\$ 2,245,619	\$ 269,129	\$ 1,976,490
203-50-5800-51073	RMRA	\$ 1,098,000	\$ O	\$ 1,098,000
205-50-5800-51073	Measure A	\$ 688,693	\$ 176,993	\$ 511,700
306-50-5800-51062	LSTP	\$ 234,770	\$0	\$ 234,770
	Total	\$ 4,636,038 *	\$ 545,949	\$ 4,090,089

* Total cost shown does not include prior fiscal year project and design expenditures.

ALTERNATIVES:

The City Council may elect to not approve the plans and specifications and not authorize staff to advertise for construction bids for this project. Doing so would delay the construction of the project.

Reviewed By:

Legal Review By:

Approved By:

Kristine Schmidt

Kristine Schmidt Assistant City Manager

ere Michelle Greene

Michelle Green City Manager

Michael Jenkins City Attorney

Attachments:

1. Specifications - Paving Project

2. Plans - Paving Project

Attachment 1 Specifications

CITY OF GOLETA



CONTRACT BIDDING DOCUMENTS SPECIFICATIONS AND STANDARD DRAWINGS

FOR THE

2020-2021 PAVEMENT REHABILITATION PROJECT

By <u>James Campero</u> For Charles W. Ebeling, Public Works Director

Project Number: 5800-1 Bid Number: 21-05

Bid Opening: <u>Thursday, July 22, 2021</u> @ 3:00 P.M.

For use with Greenbook Standard Specifications and Standard Plans 2018 Edition (including applicable amendments)

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This contract shall be in conformance with the Standard Specification for Public Works Construction, 2018 Edition (SSPWS or Greenbook 2018) (including amendments current as of the date of the Notice Inviting Sealed Bids, which are incorporated by reference) and supplements with CALTRANS STANDARD SPECIFICATIONS, 2015 EDITION

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- E. Hollister Avenue Pavement Repair

SECTION A NOTICE INVITING SEALED BIDS

NOTICE INVITING SEALED BIDS FOR THE 2020–2021 PAVEMENT REHABILITATION PROJECT

130 Cremona Drive, Suite B, City of Goleta, CA

PUBLIC NOTICE IS HEREBY GIVEN that the City of Goleta ("CITY"), invites sealed bids for the above stated project and will receive such bids until **3:00 P.M., July 22, 2021**, via electronic transmission on the City of Goleta PlanetBids portal site which can be accessed at the CITY website link below, and will be publicly opened and posted promptly thereafter. Copies of the Contract Documents and Specifications are available from the CITY, 130 Cremona Drive, Suite B, Goleta, California 93117 upon payment of a <u>\$50.00</u> non-refundable fee if picked up, or payment of a <u>\$60.00</u> non-refundable fee, if mailed or no payment to CITY if obtained from the CITY website at http://www.cityofgoleta.org/i-want-to/view/city-bid-opportunities.

The work includes all labor, material, supervision, plant and equipment necessary to construct and deliver a finished 2020–2021 Pavement Rehabilitation Project. Work includes placement of asphalt concrete (AC) pavement materials such as ARHM pavement overlay, and AC mill and fill; pulverizing, treating, removal and disposal of AC roadway section; replacement and compaction of subsurface material; setup and maintenance of traffic control systems; construction of concrete curb ramps & gutters, placement of crushed aggregate base and AC pavement; replacement of traffic striping and markings; and clean-up of project area; and other related work as necessary to provide a complete project. The contract period is Eighty (80) Working Days for the Base Bid; Cathedral Oaks Road (Calle Real to Winchester Canyon), Cathedral Oaks Road (Alameda to Glen Annie), Glen Annie Road (Cathedral Oaks to Calle Real, Kellogg Avenue (Hollister to Kellogg), Hollister Avenue (South Kellogg to Kinman), and Hollister Avenue Pavement Repair (See Appendix E), and additional days for Bid Alternates as follows:

Alternate	Location	# of Working Days
Alternate A	Calle Real (Sonoma to Glen Annie)	Twenty (20)
Alternate B	Coloma Drive (Carlo to Vega)	Ten (10)
Alternate C	Evergreen Drive (Brandon to Cathedral Oaks)	Twenty (20)
Alternate D	Forest Drive (Evergreen South to Evergreen North)	Ten (10)
Alternate E	Hillview Drive (Evergreen South to Evergreen North)	Ten (10)
Alternate F	Cathedral Oaks Road (Glen Annie to Bridge Deck)	Thirty (30)

A Pre-Bid Meeting is not scheduled for this project.

Bidders must be registered on the City of Goleta's PlanetBids portal in order to receive addendum notifications and to submit a bid. Go to PlanetBids for bid results and awards. It is the responsibility of the bidder to submit the bid with sufficient time to be received by PlanetBids prior to the bid opening date and time. Allow time for technical difficulties, uploading, and unexpected delays. Late or incomplete bids will not be accepted.

The bid must be accompanied by a bid security in the form of a money order, a certified cashier's check, or bidder's bond executed by an admitted surety, made payable to CITY. The bid security

shall be an amount equal to ten percent (10%) of the total annual bid amount included with their proposals as required by California law.

Note: All bids must be accompanied by a scanned copy of the bid security uploaded to PlanetBids. The original security of the three (3) lowest bidders must be mailed to the office of the City Clerk at 130 Cremona Drive, Suite B, Goleta, California 93117, in a sealed envelope and be received or postmarked within three (3) City business days after the bid due date and time for the bid to be considered. The sealed envelope should be plainly marked on the outside, "SEALED BID SECURITY FOR 2020-2021 PAVEMENT REHABILITATION PROJECT."

The Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations (DIR) per California Labor Code Section 1771.4, including prevailing wage rates and apprenticeship employment standards. 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 all business enterprises will be afforded full opportunity to submit bids in response to this notice and will not be discriminated against on the basis of race, color, national origin, ancestry, sex, or religion in any consideration leading to the award of contract.

A contract may only be awarded to the lowest responsive and responsible bidder that holds a valid Class "A" Contractor's license, Class "C" Electrical specialty, or specialty licensing in accordance with the provisions of the California Business and Professions Code.

The successful Bidder will be required to furnish a Performance Bond and a Payment Bond each in an amount equal to 100% of the Contract Price. Each bond shall be in the forms set forth herein, shall be secured from a surety company that meets all State of California bonding requirements, as defined in Code of Civil Procedure Section 995.120, and that is a California admitted surety insurer.

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the DIR. No Bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the DIR to perform public work. If awarded a contract, the Bidder and its subcontractors, of any tier, shall maintain active registration with the DIR for the duration of the Project. Failure to provide proof of the contractor's current registration pursuant to Labor Code Section 1725.5 may result in rejection of the bid as non-responsive.

Pursuant to Public Contract Code section 22300, the successful bidder may substitute certain securities for funds withheld by CITY to ensure performance under the Contract or, in the alternative, request the CITY to make payment of retention to an escrow agent.

Any protest to an intended award of this contract shall be made in writing addressed to the City Clerk prior to the award. Any protest may be considered and acted on by the City Council at the time noticed for award of the contract. To request a copy of the notice of agenda for award, please contact the City Clerk (805) 961-7505 or register on the CITY's website (www.cityofgoleta.org).

For information relating to the details of this Project and bidding requirements contact Debbie Talarico in writing at <u>dtalarico@cityofgoleta.org</u>.

CITY OF GOLETA

Deborah S. Lopez, City Clerk

Published:

Santa Barbara Independent: June 24, 2021, and July 8, 2021

SECTION B BIDDING INSTRUCTIONS

1. DEFINITIONS. Unless provided otherwise, the definitions in the contract documents are applicable to all bidding documents.

- 1.1 "Addenda" means written or graphic instruments issued by the City before the bid deadline that modify or interpret the bidding documents by additions, deletions, clarifications, or corrections.
- 1.2 "Alternate" means an amount stated in the Bid for which the Bidder offers to perform the Work described in the Bidding Documents as Alternate Work, to be added or deducted from the Total Base Bid, which shall be the Contractor's responsibility if the City accepts the Alternate Bid Item.
- 1.3 "Bid Deadline" means the date and time designated in the notice inviting sealed bids as the last date and time for receipt of bids, as may be revised by addenda.
- 1.4 "Bidder" means a person or firm that submits a bid.
- 1.5 "Bidding/Contract Documents" means the Contract, Addenda, Notice Inviting Sealed Bids, bidding instructions, Bid (including documentation accompanying the Bid and any post-bid documentation submitted prior to the Notice of Completion) when attached as an exhibit to the Contract, the Bonds, permits from jurisdictional regulatory agencies, Special Provisions, Plans, Standard Plans, Standard Specifications, Reference Specifications, Change Orders, and Supplemental Agreements.
- 1.6 "Contract Price" means the total aggregate amount, including alternates, of the Contractor's bid price based on the estimated quantities listed in the Bidding Sheet as set forth in the award of the Contract approved by the City Council, subject to adjustment for variances in quantities and changes pursuant to Change Orders executed in accordance with the Contract Documents.
- 1.7 "Inspector" means the person designated by the engineer to ensure specification compliance.
- 1.8 "Total Base Bid" means the sum stated in the bid for which bidder offers to perform the Work described in the bidding documents, but not including alternates.
- 1.9 "Unit or Contract Unit Price" means an amount entered in the bid by bidder or a "Contract Item" price established by the City in the bid, as a price per unit of measurement for payment for materials, equipment or services including taxes, supervision, overhead and profit for a portion of the work described in the Contract Documents.

- 2. BIDDER'S REPRESENTATIONS. By making its bid, bidder represents that:
 - 2.1 Bidder has read, understood, and made the bid pursuant to the requirements in the Contract Documents.
 - 2.2 The Bidder, at its sole cost and expense, has carefully examined the Contract Documents and visited the Project site to become fully acquainted with the local site conditions affecting the Work to be performed including transportation, disposal, handling, and storage of materials.
 - 2.3 The bid and the Contract Unit Prices bid are based upon the labor, materials, equipment, and systems required by the Contract Documents.
 - 2.4 Bidder and all subcontractors, regardless of tier, have the appropriate registrations and current licenses issued by the State of California Contractor's State License Board and Department of Industrial Relations (DIR) for the Work to be performed. If bidder is a joint venture, the bidder will have a joint venture license appropriate for the performance of the Work, and each member of the joint venture will likewise have the appropriate license. Business and professions code §§ 7000-7191 establish licensing requirements for contractors. If a bidder, that is a speciality contractor, submits a bid involving 3 or more specialized building trades, the Work of which is more than incidental and supplemental to the performance of the Work for which bidder holds a specialty contractor license, bidder must also hold either (1) a specialty contractor "C" license in each such trade or (2) a general engineering contractor "A" license. This requirement is applicable whether or not bidder lists a subcontractor for each such trade.
 - 2.5 Bidder shall have the expertise, including the Responsible Managing Officer (RMO) for the Contractor Company, demonstrating a minimum of three (3) years' experience successfully performing projects of the same type, magnitude, and character of the work bid, and financial capacity to perform and complete all obligations under the Contract Documents. The person executing the bid form is duly authorized and empowered to execute the bid form on bidder's behalf.
 - 2.7 Bidder is aware of and, if awarded the contract, will comply with legal requirements in its performance of the Work.
 - 2.8 Bidder is aware of and, if identified as the apparent lowest responsible bidder, would be required to pay City business license fee(s).
 - 2.9 Bidder shall not damage or endanger, and shall preserve and protect adjacent properties.
 - 2.10 Bidder has familiarized itself with the staging and material storage constraints of the Project site and surrounding buildings and will confine its staging and storage operations to approved areas.
 - 2.11 Bidder will coordinate its construction activities with the other contractors and utility companies performing work on the Project site, if any, including, but not limited to, any separate contractor retained by the City.

2.12 Bidder has checked the figures set forth in the bid schedule and understands that neither the City nor any officer or employee therefore will be responsible for any misunderstandings, errors, or omissions on the part of the Bidder in submitting its Bid. The failure of a Bidder to receive or examine any of the Bidding Documents or to inspect the site shall not relieve such Bidder from any obligation with respect to the Bid, the Contract, or the Work required under the Contract Documents.

3. CONTRACT DOCUMENTS.

- 3.1. Bidders may obtain complete sets of the Contract Documents from PlanetBids, the City of Goleta website, or the City's Public Works Department for the sum stated in the notice inviting sealed bids.
- 3.2. Bidders will use a complete set of Contract Documents in preparing bids.
- 3.3. The City makes copies of the Contract Documents available, on the above terms, for the sole purpose of obtaining bids for the Work and does not confer a license or grant permission for any other use of the Contract Documents.
- 3.4. The City does not assume any liability or responsibility based on any defective or incomplete copying, excerpting, scanning, faxing, downloading, or printing of the Bidding Documents.

4. INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS.

- 4.1. Before submitting its bid, bidder will carefully study and compare the various documents comprising the Contract Documents and compare them with any other work being bid concurrently or presently under construction which relates to the Work for which the bid is submitted; will examine the project site, the conditions under which the Work is to be performed, and the local conditions; and will at once report to the City's representative errors, inconsistencies, or ambiguities discovered. The drawings and specifications contained in these Contract Documents do not constitute a representation or warranty that any conditions shown therein actually exist. All soil and test hole data, groundwater elevations, and soil analyses shown on the Plans or included in the Special Provisions apply only at the location of the test holes and to the depths indicated.
- 4.2. Bidder requests for clarification or interpretation of the Contract Documents will be addressed to the City's representative at least five (5) calendar days before the bid deadline.
- 4.3. Clarifications, interpretations, corrections, and changes to the Contract Documents will only be made by addenda. Purported clarifications, interpretations, corrections, and changes to the Contract Documents made in any other manner will not be binding and bidders will not rely upon them.
- 5. PRODUCT SUBSTITUTIONS. No requests for product substitutions will be considered before award of contract unless requested through the Request for Information (RFI) process so that all bidders will be informed. Bidders wishing to obtain authorization for an or equal substitution of an equivalent material, product or equipment, shall submit all requests for or equal substitution using the form

included as **Attachment A** to these Bidding Instructions, together with data substantiating Bidder's representation that the non-specified item is of equal quality to the item. Requests for product substitutions not handled through the RFI process will only be considered after award of the contract and in the manner provided for in the contract documents. Authorization of an equal substitution of equivalent materials is solely within the discretion of the City and, if given, shall be made by Addendum or Change Order issued by the City. Bids shall not be based on any or equal substitution request that has not been authorized in writing by City Addendum. In the absence of a written Addendum authorizing a pre-Bid or equal substitution request, the request shall be deemed denied.

6. SUBCONTRACTORS.

- 6.1. Each bidder will list in the bid form all first-tier subcontractors that will perform work, labor or render such services in excess of 1/2 of one percent of the total bid or \$10,000, whichever is greater. The bid form contains spaces for the following information when listing subcontractors: (1) work activity; (2) name of subcontractor; (3) city of subcontractor's business location; (4) California contractor's license number, and (5) DIR public works contractor registration number. An inadvertent error in listing the California contractor's license number or public works contractor registration number shall not be grounds for filing a bid protest or grounds for considering the bid nonresponsive if the corrected contractor's license number is submitted to the City by the Bidder within 24 hours after the bid opening and provided the corrected contractor's license number corresponds to the submitted name and location for that subcontractor. Failure to list any of these other items on the bid form will result in the City treating the bid as if no subcontractor was listed for the work and that bidder represents to the City that it is fully gualified to perform that portion of the Work and will so perform such Work.
- 6.2. Substitution of subcontractors after the bid deadline who are listed in the bid form will only be allowed with the City's written consent and in accordance with California law.

7. ADDENDA.

- 7.1. Before the Bid Deadline, the City may modify the Work, the Bidding Documents or any portion(s) thereof by the issuance of written addenda. Addenda will be in writing and issued only by the City.
- 7.2. Bidders must be registered on the City's PlanetBids portal to receive addendum notifications. Addenda will be posted on the PlanetBids portal.
- 7.3. Copies of addenda will be made available for inspection at the City's Public Works Department.
- 7.4. The City will issue addenda so that they are received by prospective bidders not less than three (3) business days before the bid deadline. Addenda that withdraw the request for bids or postpone the bid deadline may be issued any time before the bid deadline.

7.5. Each bidder is responsible for ensuring that it has received all issued addenda before submitting a bid. All bidders are required to acknowledge and confirm receipt of each and every addendum on PlanetBids. Failure to acknowledge all Addenda may result in a Bid being deemed nonresponsive and not eligible for award of the Contract.

8. NOT USED

9. FORM AND STYLE OF BIDS.

- 9.1. Bids will be submitted on the bid form included with the Contract Documents. Bids not submitted on the City's bid form will be rejected. All blanks on the bid form will be filled in legibly.
- 9.2. Bidder's failure to submit a price for any alternate or unit price will result in the bid being considered as non-responsive. If alternates are called for and no change in the lump sum base bid is required, enter "no change."
- 9.3. Each bidder must fill out the "bidders statement of past contract disqualifications" form stating any and all instances of contract disqualifications due to a violation of a law or safety regulation. The bidder must explain the circumstances of each disqualification.
- 9.4. Bidder will make no stipulations on the bid form nor qualify the bid in any manner.
- 9.5. The bids will be based upon full completion of all the Work as shown on the plans and specifications. It is expressly understood that the plans are drawn with as much accuracy as is possible in advance, but should errors, omissions or discrepancies exist in the plans which show conditions that vary from those encountered in construction, the bidder (if awarded the contract) specifically agrees to construct a completed Work ready for the use and in the manner which is intended.
- 9.6. The bid form will be signed by a person or persons legally authorized to bind bidder to a contract. Bidder's representative will sign and date the declaration of eligibility to contract included in the bid form. Failure to sign and date the declaration will cause the bid to be rejected.

10. BID SECURITY.

10.1. Each bid must be accompanied by bid security, in the amount of 10% of the Total Base Bid, including alternates, on the base Contract Work, as security for bidder's obligation to enter into a contract with the City on the terms stated in the bid form and to furnish all items required by the Contract Documents.

All bids must be accompanied by a scanned copy of the bid security uploaded to PlanetBids. The original security of the three (3) apparent lowest bidders must be mailed to the office of the City Clerk at 130 Cremona Drive, Suite B, Goleta, California 93117, in a sealed envelope and be received or postmarked within three (3) City business days after the bid due date and time for the bid to be considered.

The sealed envelope should be plainly marked on the outside identifying the names as shown in the notice inviting sealed bids.

- 10.2. If the apparent lowest responsible bidder fails to sign the contract and furnish all items required by the bidding documents within the time limits specified in these bidding instructions, the City may reject such bidder and select the next apparent lowest responsible bidder until all bids have been exhausted or the City may reject all bids. In the event the bid is rejected, such bidder will be liable for and forfeit to the City the amount of the difference, not to exceed the amount of the bid security, between the amount of the disqualified bid and the larger amount for which the City procures the Work. The City may also use the bid security to cover the cost of rebidding the project.
- 10.3. If a bid bond is submitted and an attorney-in-fact executes the bid bond on behalf of the surety, a notarized and current copy of the power of attorney will be affixed to the bid bond. The surety issuing the bid bond must be admitted to provide surety within the State of California.
- 10.4. The City will retain the bid security until the occurrence of one of the following:
 - 10.4.1 All items required by the bidding documents have been furnished and the contract has been signed by the successful bidder and the City.
 - 10.4.2 The specified time has elapsed during which bids may be withdrawn.

10.4.3 All bids have been rejected.

11. BID DELIVERY.

- 11.1 The bid form, bid security, and all other documents required to be submitted with the bid must be submitted via electronic transmission on the City of Goleta PlanetBids portal site.
- 11.2 Bidders must be registered on the City of Goleta's PlanetBids portal in order to submit a bid. Go to PlanetBids for bid results and awards. It is the responsibility of the bidder to submit the bid with sufficient time to be received by PlanetBids prior to the bid opening date and time. Allow time for technical difficulties, uploading, and unexpected delays. Late or incomplete bids will not be accepted.
- 11.3 Bid Security shall be submitted in accordance with Section 10. "Bid Security" above and per the notice inviting sealed bids.

12. MODIFICATION OR WITHDRAWAL OF BID.

12.1. Bids may not be modified, withdrawn, or canceled within one hundred twenty (120) days after the bid deadline unless otherwise provided in any supplementary instructions to bidders. The bidder shall be prohibited from further bidding on the project and the bid bond shall be forfeited. The City, at its discretion, may award the bid to the next responsive and responsible bidder. In the event the next bidder refuses to enter into the contract, that bidder's bid bond shall then be forfeited.

13. OPENING OF BIDS.

13.1 Bids submitted in the manner required by these instructions and received on or before the bid deadline will be opened publicly via PlanetBids.

14. EVALUATION AND REJECTION OF BIDS.

- 14.1. Bidders will be evaluated for responsiveness and responsibility based on bid proposal information provided in the bid documents under "designation of subcontractors" and bidder's references."
- 14.2. A responsive Bid is a Bid that conforms, in all material respects, to these Instructions to Bidders. Non-responsive Bids will be rejected.
- 14.3. A responsible bidder means a bidder who has demonstrated the attributes of trustworthiness, quality, fitness, capacity, and experience to satisfactorily perform fully the requirements of the Contract Bidding Documents and the moral and business integrity and reliability that will assure good faith performance in the sole discretion of the County. Any determination of a bidder's non-responsibility by the City shall be based on the fitness and capacity of the bidder to satisfactorily perform the obligations of the Contract, whether or not the bidder is qualified to perform those obligations, whether or not the bidder is trustworthy, and such other bases as may be relevant.
- 14.4. In addition to other provisions of the Bidding Documents, upon the request of the City, a bidder whose Bid is under consideration for the award of the Contract shall promptly submit satisfactory evidence to City showing the bidder's financial resources, experience in the field, and organization and other factors evidencing bidder's ability to successfully execute and complete the Contract.
- 14.5. The City reserves the right to reject any or all bids and to waive discrepancies, irregularities, informalities, or any other error in the bid or bidding, when to do so seems to best serve the public interest. The right of the City to waive errors applies even if the Bidding Documents state that a discrepancy, irregularity, informality, or other error make a bid nonresponsive, so long as the error does not constitute a material error. The City reserves the right, in its sole discretion, to: judge the bidder's representations as stated in the Bid forms and any post-Bid information to determine whether or not bidder is qualified to perform the Work; be the sole judge regarding the suitability of the products, services, or supplies offered; to not purchase all items or the full quantity of each item listed in the Bid Item List; reject any or all Bids; waive any deficiencies, irregularities, or informalities in any Bids or in the bidding process; modify, cancel, or withdraw the Notice Inviting Sealed Bids; issue a new Notice Inviting Sealed Bids; suspend or abandon the Project; seek the assistance of outside technical experts in Bid evaluation; require a bidder to provide a guarantee (or guarantees) of the Contract by a third party; and not issue a Notice to Proceed after execution of the Contract. In submitting a Bid in response to the Notice Inviting Sealed Bids, the bidder is specifically acknowledging the City holds these rights. The Notice Inviting Sealed Bids does not commit the City to enter into a Contract, to reject, in its sole discretion, all Bids, nor does it obligate the City pay for any costs incurred by bidders in preparation and submission of a

Bid or in anticipation of a Contract. By submitting a Bid, the bidder disclaims any right to be paid for such costs.

14.6. The City may reject any bid not accompanied by the required bid security or any other item required by the bidding documents, or a bid which is in any other way materially incomplete, irregular or not responsive to the bid request in the sole determination of the City.

15.AWARD.

- A. The City may retain all bids for a period of one hundred twenty (120) days for examination and comparison, and to delete any portion of the Work from the contract.
- B. The City may waive nonmaterial irregularities in a bid and will accept the lowest responsive bid from a responsible bidder as determined by the City.
- C. The City will determine the low bidder on the basis of the total bid price in words on the bidding sheet as described on the bidding sheet.
- D. City Staff will identify the apparent lowest responsive and responsible bidder and notify such bidder within one hundred twenty (120) days (unless the number of days is modified in any Addendum issued to bidders) after the Bid Deadline. Within fifteen (15) days after receiving the City's written notice that bidder was identified as the apparent lowest responsible bidder, bidder will submit to the City all of the following items as required by the City:
 - 15.4.1 Two originals of the contract signed by bidder.
 - 15.4.2 One original of the payment bond.
 - 15.4.3 One original of the performance bond.
 - 15.4.4 Certificates of insurance and additional insured endorsements on forms provided by the city.
 - 15.4.5 Copy of current city of Goleta business license certificate.
 - 15.4.6 Names of all subcontractors, with their DIR registration number, license numbers, addresses, telephone number, facsimile number and trade on bidders' company stationery. Evidence, as required by the city, of the reliability and responsibility of the proposed subcontractors such as statements of experience, statements of financial condition, and references.
- E. 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 subject to compliance monitoring and enforcement by the California Department of Industrial Relations.

- F. If bidder submits the two original signed contracts and all other items within fifteen (15) days after receiving the City's notification, and all such items comply with the requirements of the bidding documents, the City will submit the bid to the City Council for award of Contract. Following City Council Award of Contract, the City will sign the contract and return a signed copy of the contract to bidder
- 16. NOTICE OF INTENT TO AWARD CONTRACT. Following the opening of bids and determination of the lowest responsible Bidder, the City will issue a notice of intent to award the Contract, identifying the Bidder to whom the City intends to award the Contract. The award of the Contracts shall be made by the City Council.
- **17. PUBLIC RECORDS.** City seeks to conduct its business openly. Upon identification of the lowest responsive and responsible bidder and upon notifying such bidder, Bids shall be regarded as public, with the exception any elements of each Bid that are identified by the Bidder as business or trade secrets and plainly marked as "trade secret," "confidential," or "proprietary." Each element of a Bid which a Bidder desires not to be considered public must be clearly marked as set forth above; any blanket statement (i.e. regarding entire pages, documents, or other, non-specific designations) shall not be sufficient and shall not bind the City in any way whatsoever. If City receives a request from a third party to make a Bid available for inspection or copying, the City will notify the Bidder of the request. If a Bidder instructs the City that the information is not to be released, City will withhold the information, provided, the Bidder expeditiously seeks a protective order from a court of competent jurisdiction to prevent such release. If disclosure is required by law (despite the Bidder's request for confidentiality), the City shall not in any way be liable or responsible for the disclosure of such records or part thereof.
- **18. BID PROTEST.** Any registered Bidder may file a protest provided that each and all of the following are complied with:
 - 18.1. The bid protest is in writing;
 - 18.2. Protests based upon alleged defects or improprieties in the Bidding Documents are filed with the City prior to the Bid Deadline;
 - 18.3. All other protests are filed and received by the City not more than five (5) calendar days following the date of City's Notice of Intent to Award the Contract; and
 - 18.4. The written bid protest sets forth, in detail, all grounds for the bid protest, including without limitation all facts, supporting documentation, legal authorities and argument in support of the grounds for the bid protest. All factual contentions must be supported by competent, admissible and credible evidence.
 - 18.5. Any matters not set forth in the written bid protest shall be deemed waived. Any bid protest not conforming to the foregoing shall be rejected by the City as invalid.

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ATTACHMENT A – BIDDING INSTRUCTIONS OR EQUAL SUBSTITUTION FORM

Project	·
Locatio	n:
TO:	
FROM:	
1.	Section, Paragraph and Page Number of Specification or Drawing to which this Request applies:
2.	Item specified for which substitution is requested:
	Name or Brand:
	Manufacturer:
	Catalog No.:
3.	The proposed substitution is:
	Name or Brand:
	Manufacturer:
	Catalog No.:

- 4. Contractor is required to provide product data for the proposed substitution consisting of the description of the product or item, reference standards and performance test data, together with substantiating data, supporting the claim that the non-specified product is equal to that specified. No substitution request will be considered by the City without a completed Substitution Request form and substantiating data. Contractor shall attach hereto complete technical data, including technical information, complete manufacturer's catalogs, brochures and drawings, certified laboratory test reports and samples as applicable for the proposed substitution, installation and operating instructions, manufacturing warranties and other descriptive material.
- 5. Reasons for substitution request:

6.	Detailed comparison of significant qualities and properties (size, weight, durability, performance and simila characteristics) including the visual effect where applicable, for the proposed substitution in comparison with original requirements includes (list detailed comparison with supporting data, use separate sheets required):	n
7.	Installation changes and changes to Drawings and Specifications required by the proposed substitution are (list all required changes, use separate sheets if required):	9
8.	Does this substitution affect dimensions shown on Drawings?	
	Yes No	
	If yes, clearly indicate changes on each Drawing by Sheet No.:	
9.	List the effects of the proposed substitution on other parts of the Work or on separate contracts, including required changes in Drawings, dimensions, engineering and detailing costs and effect on other trades.	3
10.	What effect does substitution have on applicable code requirements?	
11.	Identify differences between the proposed substitution and the specified item.	

12. Attach a copy of manufacturer's warranty, Manufacturer's guarantees and warranties of proposed and specified items are:

Same	
Different	
	(Explain on attachment.)
	Manufacturer shall provide a letter stating the fitness for intended use, and performa equivalence with the specified item.
	and address of three similar projects (not necessarily installed by Contractor) on which luct was used and date of installation:
(1) Name	of Project:
Address:	
Date of Install	ation:
(2) Name	of Project:
Address:	
Date of Install	ation:
(3) Name	of Project:
Address:	
Date of Install	ation:
Use of the sub	ostitution will cause the Contract Time to be:

Same

13.

14.

Different

(Explain on attachment.)

15. Use of the substitution will affect the critical path of the Construction Schedule as follows (identify any proposed adjustment to the Contract Time):

16. Reduction in the Contract Sum of \$______will result from use of the substituted item.

- 17. Estimated cost of any engineering, design or agency fees required for work of all trades directly or indirectly affected by the substitution is: \$_____.
- 18. The date by which City must accept this Request in order for the time and cost estimates in Paragraphs 14 and 16 to remain valid is:
- 19. <u>Contractor Affidavit</u>. The undersigned, having thoroughly investigated the proposed substitution represents, certifies and declares, under penalty of perjury under the laws of the State of California that:
 - (1) Contractor has personally investigated the proposed substitution and determined that it is equal or superior in all respects to the material, product, thing or service specified except as specifically noted: _____;
 - (2) Contractor will provide the same warranty and correction responsibility for the proposed substitution that the Contractor would have provided for that specified;
 - (3) The cost data presented is complete and includes all related costs under this Contract except any redesign costs and agency fees;
 - (4) Contractor will indemnify City from and pay all redesign, engineering, detailing, special inspection costs and agency fees caused by the use of this substitution;
 - (5) Contractor will coordinate the installation of the accepted substitution, making such changes as may be required for the Work to be complete in all respects.
 - (6) Contractor waives all claims for additional costs relating to the substitution which may subsequently become apparent; and
 - (7) Contractor assumes all responsibility for and will indemnify City from and pay all direct or indirect costs and/or time impacts as a result of the use of the substitution.

Executed this	day of	20, at	, California.	
(Type or print	name)			
Submitted by:				
(Firm)				
(Address)				
For use by City:				
Accepted Accepted a	as noted			
Not Accepted Reject	ed as late			
(Ву)				

(Date)

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SECTION C PROPOSAL

BID PROPOSAL FOR 2020–2021 PAVEMENT REHABILITATION PROJECT

TO THE CITY OF GOLETA ("City"):

In accordance with City's Notice Inviting Sealed Bids, the undersigned Bidder hereby proposes to furnish all materials, equipment, tools, labor, and incidentals required for the **2020–2021 Pavement Rehabilitation Project** as set forth in the Plans, Specifications, and Contract Documents, and to perform all Work in the manner and time prescribed therein.

Bidder declares that this Bid is based upon careful examination of the Work site, Plans, Specifications, Bidding Instructions, and all other Contract Documents. If this Bid is accepted for award, Bidder agrees to enter into a contract with City at the unit and/or lump sum prices set forth in the following Bid Schedule. Bidder understands that failure to enter into a contract in the manner and time prescribed will result in forfeiture to City of the Bid Security accompanying this Bid.

Bidder understands that a Bid is required for the entire Work, that the estimated quantities set forth in the Bid Schedule are solely for the purpose of comparing Bids, and that final compensation under the Contract will be based upon the actual quantities of Work satisfactorily completed. THE CITY RESERVES THE RIGHT TO INCREASE OR DECREASE THE AMOUNT OF ANY QUANTITY SHOWN AND TO DELETE ANY ITEM FROM THE CONTRACT as described in these Contract Documents. It is agreed that the unit and/or lump sum prices bid include all overhead, profit, appurtenant expenses, taxes, royalties, and fees. In the case of discrepancies in the amounts bid, unit prices shall govern over extended amount, and words shall govern over figures.

If awarded the Contract, the undersigned further agrees that in the event of the Bidder's default in executing the Contract and filing the necessary bonds and insurance certificates WITHIN FIFTEEN (15) WORKING DAYS, not including Saturdays, Sundays and legal holidays, after the City has mailed notice of the award of contract to the Bidder, the proceeds of the Bid Security accompanying this Bid shall become the property of the City and this Bid and the acceptance hereof may, at the City's option, be considered null and void.

BID PROPOSAL FOR 2020–2021 PAVEMENT REHABILITATION PROJECT

Bids will be received before **3:00 P.M., Thursday, July 22, 2021,** at the City of Goleta, City Hall Building, 130 Cremona Drive, Suite B, Goleta, CA 93117.

Questions regarding the Contract Documents, Specifications, Proposal or other Bidding Documents, shall be submitted in writing and emailed to dtalarico@cityofgoleta.org.

The Project insurance requirements are per the Caltrans Standard Specifications, as modified by the City General Provisions contained herein.

Contract Time: 80 Working Days for the Base Bid (Cathedral Oaks Road from Calle Real to Winchester Canyon Road, Cathedral Oaks Road from Alameda to Glen Annie, Glen Annie Road, Hollister Avenue, Kellogg Avenue, and Hollister Avenue Repairs), and additional days for Bid Alternates as follows:

Alternate	Location	# of Working Days
Alternate A	Calle Real (Sonoma to Glen Annie)	Twenty (20)
Alternate B	Coloma Drive (Carlo to Vega)	Ten (10)
Alternate C	Evergreen Drive (Brandon to Cathedral Oaks)	Twenty (20)
Alternate D	Forest Drive (Evergreen South to Evergreen North)	Ten (10)
Alternate E	Hillview Drive (Evergreen South to Evergreen North)	Ten (10)
Alternate F	Cathedral Oaks Road (Glen Annie to Bridge Deck)	Thirty (30)

Time is of the essence in the performance of this contract.

BIDDER SHALL COMPLETE:

Bidder's Name			
Street Address			
City		Zip Code _	
Telephone Number			
E-mail			
The following Addenda are acknowledged: (Bidder must fill in number and date of each Addendum or may enter the word "none" if appropriate)		Dated	
BIDDERS Signature	DATE		

Tax I.D. Number

2020-2021 PAVEMENT REHABILITATION PROJECT

BIDDING SHEET (Page 1 of 11)

The cost of all labor, material and equipment necessary for the completion of the work itemized, even though not shown or specified, shall be included in the unit or lump sum prices for the various items shown herein.

The City further reserves the right to reject any or all bids, to waive any informality or irregularity in any bid or the bidding procedure, and to delete any items of work in the award of contract. The City's decision on the bid amount is final.

Bidders must bid on all items in the Bid Schedule including the Supplemental and Alternative Bid Items in order for their bids to be complete. The award of contract will be based on the lowest responsive Bid only. **The lowest Bid will be determined based on the lowest bid price on the total Base Bid**. The City retains the right to add to or deduct from the Contract any of the additive or deductive alternates included in the Bid Proposal.

In the case of unit basis items, the amount set forth under the "Item Total" column (total bid in words) shall be the product of the unit price bid and the estimated quantity for the item.

Bids on lump sum items are item totals. If a unit price of a lump sum item is entered and it differs from the item total, the item total prevails.

Entries are to be expressed in dollars or decimal fractions of a dollar. Symbols such as commas and dollar signs are ignored and have no significance in establishing unit price or item total.

Unit prices and item totals are interpreted by the number of digits and decimal placement. Do not round item totals or the total bid.

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

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

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

BIDDING SHEET (Page 2 of 11)

BASE BID SCHEDULE:

Item #	Item	Pay Ref	Quantity	Unit	Unit Cost	Total Cost
1	Mobilization, Bonds & Insurance	901-02	1	LS		
2	Traffic Control	902-07	1	LS		
3	Water Pollution Control Plan	903-3	1	LS		
4	Monument Perpetuation	900-11	5	EA		
5	AC D2 PG 64-10	910-04	4,659	TN		
6	AC D2 PG 64-10	910-04	274	TN		
7	ARHM GG-D PG 64-16	911-05	4,056	TN		
8	Pulverize 15-1/2" Existing Section	912-07	99,972	SF		
9	Pulverize 15" Existing Section	912-07	53,187	SF		
10	Trim, Remove, and Dispose 5-1/2" Pulverized Material, Regrade	912-07	99,972	SF		
11	Trim, Remove, and Dispose 5" Pulverized Material, Regrade	912-07	53,187	SF		
12	Lime/Cement Treat 10" Subgrade, Trim to Top of Subgrade	912-07	153,159	SF		
13	Cold Plane 1-1/2" Taper to 1-3/4" Over Pavement Transition	906-06	64,817	SF		
14	Cold Plane 2-1/4" Existing Section	906-06	87,396	SF		
15	Cold Plane 7-1/2" Existing Section	906-06	38,041	SF		
16	Cement / Lime	912-07	383	TN		
17	Remove & Replace 6" AC (Dig-out)	918-04	8,611	SF		
18	6" Deep Lift Stabilization (Allowance)	918-04	18,843	SF		
19	Construct Caltrans Type B Ramp	916-11	6	EA		
20	Construct Caltrans Type C Ramp	916-11	15	EA		
21	Construct Caltrans Type F Ramp	916-11	2	EA		
22	Construct Median Island Type "C" Passageway per Caltrans	916-11	1	EA		
23	R&R 4" PCC Sidewalk (ADA Ramp Transition)	916-11	2,023	SF		
24	R&R Curb & Gutter	916-11	614	LF		
25	R&R Retaining Curb	916-11	293	LF		
26	R&R C&G Spandrel	916-11	984	LF		
27	Install Shoulder Backing	915-04	463	LF		
28	Install Blue RPM @ Hydrant	914-04	5	EA		
29	Lower Manhole Covers	913-03	15	EA		
30	Lower Water Valve Covers	913-03	17	EA		
31	Lower Loop Detector Covers	913-03	4	EA		
32	Adjust Manhole Covers	913-03	15	EA		
33	Adjust Water Valve Covers	913-03	17	EA		
34	Adjust Loop Detector Covers	913-03	4	EA		
35	Install Temporary and Permanent Traffic Loop	917-04	7	EA		
36	12" White Crosswalk (Thermo)	914-04	615	LF		

BIDDING SHEET (Page 3 of 11)

37	White/Yellow Continental Crosswalk (Thermo)	914-04	1,040	SF	
38	Solid Green (Paint)	914-04	1,700	SF	
39	Dash Green (Paint)	914-04	3,619	SF	
40	Striping Detail #9 (Paint & Markers)	914-04	870	LF	
41	Striping Detail #22 (Paint & Markers)	914-04	6,885	LF	
42	Striping Detail #25 (Paint & Markers)	914-04	930	LF	
43	Striping Detail #29 (Paint & Markers)	914-04	2,250	LF	
44	Striping Detail #32 (Paint & Markers)	914-04	650	LF	
45	Striping Detail #38 (Paint & Markers)	914-04	1,410	LF	
46	Striping Detail #38A (Paint & Markers)	914-04	120	LF	
47	Striping Detail #39 (Paint)	914-04	13,805	LF	
48	Striping Detail #39A (Paint)	914-04	2,000	LF	
49	6" Chevrons (Paint)	914-04	3,170	SF	
50	Arrow Type IV (L/R) (Paint)	914-04	21	EA	
51	Arrow Type VI (Merge) (Paint)	914-04	2	EA	
52	Arrow Type VII (TH, L/R) (Paint)	914-04	2	EA	
53	"40" Legend (Paint)	914-04	3	EA	
54	Bike Lane Symbol (Paint)	914-04	19	EA	
55	Bike Box (Paint)	914-04	635	SF	
56	Sharrow (Paint)	914-04	4	EA	
57	Bike w/o Person (Paint)	914-04	2	EA	
58	"AHEAD" Legend (Paint)	914-04	5	EA	
59	"SCHOOL" Legend (Paint)	914-04	2	EA	
60	"SIGNAL" Legend (Paint)	914-04	2	EA	
61	"SLOW" Legend (Paint)	914-04	1	EA	
62	"STOP" Legend (Paint)	914-04	8	EA	
63	"XING" Legend (Paint)	914-04	1	EA	
64	SW24-3 Sign	914-04	1	EA	
65	SR4-1 Sign	914-04	1	EA	
66	S5-3 Sign	914-04	1	EA	
67	Construction Message Sign (CMS)	902-07	2	EA	
68	Clearing and Grubbing / Demolition	905-02	1	LS	
69	Repair Pavement Surface Failure (Potholes / Cracks) 4 Inch Deep Digout	918-04	370	SF	
70	Paving Fabric (Paver Mat)	910-04	370	SF	
71	3 Inch Grind & Overlay (200 ft x 16 ft)	906-06	3,200	SF	
TOTAL	BASE BID				

BIDDING SHEET (Page 4 of 11)

BID ALTERNATE "A" SCHEDULE: CALLE REAL (SONOMA AVE TO GLEN ANNIE RD)

Item #	Item	Pay Ref	#	Unit	Unit Cost	Total Cost
A1	Mobilization, Bonds & Insurance	901-02	1	LS		
A2	Traffic Control	902-07	1	LS		
A3	Water Pollution Control Plan	903-3	1	LS		
A4	Monument Perpetuation	900-11	2	EA		
A5	AC C2 PG 64-10	910-04	2,248	TN		
A6	ARHM GG-D PG 64-16	911-05	750	TN		
A7	Pulverize 18" Existing Section	912-07	59,916	SF		
A8	Trim, Remove, and Dispose 8" Pulverized Material, Regrade	912-07	60,397	SF		
A9	Lime/Cement Treat 15" Subgrade, Trim to Top of Subgrade	912-07	60,397	SF		
A10	Cement / Lime	912-07	226	TN		
A11	6" Deep Lift Stabilization (Allowance)	918-04	3,595	SF		
A12	Construct Caltrans Type B Ramp	916-11	7	EA		
A13	R&R 4" PCC Sidewalk (ADA Ramp Transition)	916-11	738	SF		
A14	R&R Curb & Gutter	916-11	279	LF		
A15	R&R Retaining Curb	916-11	114	LF		
A16	R&R C&G Spandrel	916-11	1,844	SF		
A17	Install Shoulder Backing	915-04	149	LF		
A18	Install Blue RPM @ Hydrant	914-04	2	EA		
A19	Lower Manhole Covers	913-03	2	EA		
A20	Lower Water Valve Covers	913-03	10	EA		
A21	Lower Loop Detector Covers	913-03	2	EA		
A22	Adjust Manhole Covers	913-03	2	EA		
A23	Adjust Water Valve Covers	913-03	10	EA		
A24	Adjust Loop Detector Covers	913-03	2	EA		
A25	12" White Crosswalk (Thermo)	914-04	220	LF		
A26	Solid Green (Paint)	914-04	200	SF		
A27	Dash Green (Paint)	914-04	817	SF		
A28	Striping Detail #9 (Paint & Markers)	914-04	580	LF		
A29	Striping Detail #22 (Paint & Markers)	914-04	905	LF		
A30	Striping Detail #38 (Paint & Markers)	914-04	125	LF		
A31	Striping Detail #39 (Paint)	914-04	1,400	LF		
A32	Striping Detail #39A (Paint)	914-04	380	LF		
A33	6" Chevrons	914-04	160	LF		
A34	Arrow Type IV (L/R) (Paint)	914-04	4	EA		
A35	Arrow Type VI (Merge) (Paint)	914-04	2	EA		
A36	Arrow Type VII (TH, L/R) (Paint)	914-04	2	EA		
A37	Bike Lane Symbol (Paint)	914-04	6	EA		
TOTAL BID ALTERNATE "A"						
BIDDING SHEET (Page 5 of 11)

BID ALTERNATE "B" SCHEDULE (COLOMA DR; CARLO DR TO VEGA DR)

ltem #	Item	Pay Ref	#	Unit	Unit Cost	Total Cost
B1	Mobilization, Bonds & Insurance	901-02	1	LS		
B2	Traffic Control	902-07	1	LS		
B3	Water Pollution Control Plan	903-3	1	LS		
B4	AC C2 PG 64-10	910-04	364	TN		
B5	ARHM GG-D PG 64-16	911-05	323	TN		
B6	Cold Plane 1-1/2" Taper to 2" Over Pavement Transition	906-06	25,827	SF		
B7	R&R Curb & Gutter	916-11	65	LF		
B8	R&R Through Curb Drain	916-11	1	EA		
B9	Lower Manhole Covers	913-03	2	EA		
B10	Lower Gas Valve Covers	913-03	1	EA		
B11	Lower Water Valve Covers	913-03	2	EA		
B12	Adjust Manhole Covers	913-03	2	EA		
B13	Adjust Gas Valve Covers	913-03	1	EA		
B14	Adjust Water Valve Covers	913-03	2	EA		
B15	12" White Limit Line (Paint)	914-04	50	LF		
B16	"STOP" Legend (Paint)	914-04	2	EA		
TOTAL B	ID ALTERNATE "B"					

BIDDING SHEET (Page 6 of 11)

BID ALTERNATE "C" SCHEDULE: EVERGREEN DR (BRANDON AVE TO CATHEDRAL OAKS RD)

ltem #	Item	Pay Ref	#	Unit	Unit Cost	Total Cost
C1	Mobilization, Bonds & Insurance	901-02	1	LS		
C2	Traffic Control	902-07	1	LS		
C3	Water Pollution Control Plan	903-3	1	LS		
C4	Monument Perpetuation	900-11	25	EA		
C5	AC D2 PG 64-10	910-04	314	TN		
C6	ARHM GG-D PG 64-16	911-05	1,099	TN		
C7	Remove & Replace 6" AC (Dig-out)	918-04	5,591	SF		
C8	Keycut A1	906-06	5,350	LF		
E9	Keycut B1	906-06	144	LF		
C10	Construct Caltrans Type B Ramp	916-11	13	EA		
C11	Construct Caltrans Type C Ramp	916-11	1	EA		
C12	R&R 4" PCC Sidewalk (ADA Ramp Transition)	916-11	1,069	SF		
C13	R&R Curb & Gutter	916-11	457	LF		
C14	R&R Retaining Curb	916-11	207	LF		
C15	R&R C&G Spandrel	916-11	1,306	SF		
C16	Install Blue RPM @ Hydrant	914-04	3	EA		
C17	Lower Manhole Covers	913-03	8	EA		
C18	Lower Water Valve Covers	913-03	10	EA		
C19	Adjust Manhole Covers	913-03	8	EA		
C20	Adjust Water Valve Covers	913-03	10	EA		
C21	White/Yellow Continental Crosswalk (Thermo)	914-04	2050	SF		
C22	Red Curb (Paint)	914-04	94	LF		
C23	Sharrow (Paint)	914-04	10	EA		
C24	"SCHOOL" Legend (Paint)	914-04	2	EA		
C25	"SLOW" Legend (Paint)	914-04	2	EA		
C26	"STOP" Legend (Paint)	914-04	1	EA		
C27	"XING" Legend (Paint)	914-04	2	EA		
C28	W16-2P Sign	914-04	3	EA		
C29	S1-1 Sign	914-04	2	EA		
C30	D11-1 Sign	914-04	3	EA		
TOTAL B	ID ALTERNATE "C"		-	•		

BIDDING SHEET (Page 7 of 11)

BID ALTERNATE "D" SCHEDULE: FOREST DR (EVERGREEN DR SOUTH TO EVERGREEN DR NORTH)

ltem #	Item	Pay Ref	#	Unit	Unit Cost	Total Cost
D1	Mobilization, Bonds & Insurance	901-02	1	LS		
D2	Traffic Control	902-07	1	LS		
D3	Water Pollution Control Plan	903-3	1	LS		
D4	Monument Perpetuation	900-11	10	EA		
D5	AC D2 PG 64-10	910-04	163	TN		
D6	ARHM GG-D PG 64-16	911-05	569	TN		
D7	Remove & Replace 6" AC (Dig-out)	918-04	2,134	SF		
D8	Keycut A1	906-06	1,820	LF		
D9	Keycut B1	906-06	120	LF		
D10	Construct Caltrans Type B Ramp	916-11	2	EA		
D11	Install Blue RPM @ Hydrant	914-04	2	EA		
D12	Lower Manhole Covers	913-03	4	EA		
D13	Lower Water Valve Covers	913-03	4	EA		
D14	Lower Survey Monuments	913-03	2	EA		
D15	Adjust Manhole Covers	913-03	4	EA		
D16	Adjust Water Valve Covers	913-03	4	EA		
D17	Adjust Survey Monuments	913-03	2	EA		
D18	12" White Limit Line (Paint)	914-04	20	LF		
D19	12" White Crosswalk (Thermo)	914-04	90	LF		
D20	"STOP" Legend (Paint)	914-04	2	EA		
D21	R1-1 Sign	914-04	2	EA		
TOTAL B	ID ALTERNATE "D"					

BIDDING SHEET (Page 8 of 11)

BID ALTERNATE "E" SCHEDULE: HILLVIEW DR (EVERGREEN DR SOUTH TO EVERGREEN DR NORTH)

ltem #	Item	Pay Ref	#	Unit	Unit Cost	Total Cost
E1	Mobilization, Bonds & Insurance	901-02	1	LS		
E2	Traffic Control	902-07	1	LS		
E3	Water Pollution Control Plan	903-3	1	LS		
E4	Monument Perpetuation	900-11	4	EA		
E5	AC D2 PG 64-10	910-04	102	TN		
E6	ARHM GG-D PG 64-16	911-05	357	TN		
E7	Remove & Replace 6" AC (Dig-out)	918-04	2,489	SF		
E8	Keycut A1	906-06	1,780	LF		
E9	Keycut B1	906-06	120	LF		
E10	Construct Caltrans Type B Ramp	916-11	3	EA		
E11	R&R 4" PCC Sidewalk (ADA Ramp Transition)	916-11	257	SF		
E12	R&R Curb & Gutter	916-11	120	LF		
E13	R&R Retaining Curb	916-11	69	LF		
E14	R&R C&G Spandrel	916-11	462	SF		
E15	Install Blue RPM @ Hydrant	914-04	1	EA		
E16	Lower Manhole Covers	913-03	3	EA		
E17	Lower Water Valve Covers	913-03	1	EA		
E18	Adjust Manhole Covers	913-03	3	EA		
E19	Adjust Water Valve Covers	913-03	1	EA		
E20	12" White Limit Line (Paint)	914-04	40	LF		
E21	"STOP" Legend (Paint)	914-04	2	EA		
E22	R1-1 Sign	914-04	2	EA		
TOTAL B	ID ALTERNATE "E"					

BIDDING SHEET (Page 9 of 11)

BID ALTERNATE "F" SCHEDULE: CATHEDRAL OAKS RD (GLEN ANNIE RD TO EAST END/BRIDGE DECK)

ltem #	ltem	Pay Ref	#	Unit	Unit Cost	Total Cost
F1	Mobilization, Bonds & Insurance	901-02	1	LS		
F2	Traffic Control	902-07	1	LS		
F3	Water Pollution Control Plan	903-3	1	LS		
F4	AC C2 PG 64-10	910-04	4,586	TN		
F5	ARHM GG-D PG 64-16	911-05	2,621	TN		
F6	Pulverize 15-1/2" Existing Section	912-07	209,626	SF		
F7	Trim, Remove, and Dispose 5-1/2" Pulverized Material, Regrade	912-07	209,626	SF		
F8	Lime/Cement Treat 10" Subgrade, Trim to Top of Subgrade	912-07	209,626	SF		
F9	Cement / Lime	912-07	525	TN		
F10	6" Deep Lift Stabilization (Allowance)	918-04	12,578	SF		
F11	12" White Limit Line (Paint)	914-04	30	LF		
F12	Solid Green (Paint)	914-04	600	SF		
F13	Dash Green (Paint)	914-04	570	SF		
F14	Striping Detail #22 (Paint & Markers)	914-04	4,560	LF		
F15	Striping Detail #29 (Paint & Markers)	914-04	550	LF		
F16	Striping Detail #38 (Paint & Markers)	914-04	135	LF		
F17	Striping Detail #39 (Paint)	914-04	20,720	LF		
F18	Striping Detail #39A (Paint)	914-04	200	LF		
F19	Arrow Type IV (L/R) (Paint)	914-04	2	EA		
F20	"50" Legend (Paint)	914-04	1	EA		
F21	Bike Lane Symbol (Paint)	914-04	2	EA		
F22	Bike Box (Paint)	914-04	395	SF		
F23	Bike w/o Person (Paint)	914-04	1	EA		
F24	R10-11 Sign	914-04	1	EA		
TOTAL B	ID ALTERNATE "F"					

2020-2021 PAVEMENT REHABILITATION PROJECT

BIDDING SHEET (Page 10 of 11)

SUMMARY OF BID SCHEDULE

TOTAL BASE BID	\$
TOTAL ALTERNATE "A" Calle Real	\$
TOTAL ALTERNATE "B"	\$
Coloma	
TOTAL ALTERNATE "C"	\$
Evergreen	
TOTAL ALTERNATE "D"	\$
Forest	
TOTAL ALTERNATE "E"	\$
Hillview	
TOTAL ALTERNATE "F"	\$
Cathedral Oaks	

BIDDING SHEET (Page 11 of 11)

TOTAL BASE BID......\$

(Total Base Bid in Words)

Company Name of Bidder

NOTE: The City of Goleta will determine the lowest bid based on the total Base Bid. Bidder shall bid on the Base Bid and all Bid Alternates. Bids that do not include all Bid Alternates will not be accepted. The City of Goleta reserves the right to add none or any combination of the Bid Alternates. This Page Intentionally Left Blank

PROPOSED EQUIPMENT AND MATERIAL MANUFACTURERS

The Bidder must indicate the name of the manufacturer of the equipment, and supplier of the material, proposed to be furnished under the contract. Awarding of a contract based on this bid does not imply approval by the City of the manufacturers or suppliers listed by the Bidder. No substitution will be permitted after award of contract except upon written approval of the City.

Equip	ment/Materials		Supplier
1.	Portland Cement Concrete Mixes		
2.	Quicklime/Cement Mixes		
3.	Asphalt Concrete Mixes		
4.	Aggregate Base		
5.	Detectible Warning Surfaces		
6.	Traffic Stripe and Marking Paint		
7.			
8.			
Ad	ditional items in the Special Provision	ons	

DESIGNATION OF SUBCONTRACTORS

Bidder proposes to subcontract certain portions of the Work which are in excess of one-half of one percent (0.5%) of the total amount base bid or \$10,000, whichever is greater, and to procure materials and equipment from suppliers and vendors.

These Subcontractors are identified as follows:

Work to be Performed	Subcontractor License Number	Subcontractor DIR Registration Number (Note1)	Percent of Total Bid	Subcontractor's Name & Address

Note 1: Bidders have 24 hours after the Bid Deadline to submit this information

BIDDER'S REFERENCES

The following are the names, addresses, and phone numbers for three public agencies for which Bidder has performed projects of the same magnitude and character of the work bid within the past three years:

 Name of Agency Agency Address Telephone Contact Person Contract Amount 	
2. Name of Agency Agency Address Telephone Contact Person Contract Amount	
 Name of Agency Agency Address Telephone Contact Person Contract Amount 	

The following are the names, addresses, and phone numbers for all brokers and sureties from whom Bidder intends to procure insurance bonds:

EQUAL EMPLOYMENT OPPORTUNITY COMPLIANCE

Bidder certifies that in all previous contracts or subcontracts, all reports which may have been due under the requirements of any local, State, or Federal equal employment opportunity orders have been satisfactorily filed, and that no such reports are currently outstanding.

ELIGIBILITY TO CONTRACT

The successful Bidder is prohibited from performing work on this Project with a Subcontractor who is ineligible to perform work on the Project pursuant to Section 1777.1 or 1777.7 of the Labor Code.

BIDDER'S INFORMATION

Bidder certifies that the following information is true and correct:

Bidder's Name		
Business Address		
Telephone		
State Contractor's License No. a	nd Class	
Original Date Issued	Expiration Date	
DIR Registration No:		

The following are the names, titles, addresses, and phone numbers of all individuals, firm members, partners, joint venturers, and/or corporate officers having a principal interest in this Bid:

The date of any voluntary or involuntary bankruptcy judgments against any principal having an interest in this Bid are as follows:

All current and prior DBA's, alias, and/or fictitious business names for any principal having an interest in this Bid are as follows:

I declare under penalty of perjury under the laws of the State of California that the above representations are true and correct. Executed this _____ day of _____, 20__, at _____ California.

Signature and Title of Bidder or Authorized Representative

(SEAL)

BIDDER'S STATEMENT OF PAST CONTRACT DISQUALIFICATIONS AND DEFAULTS

Identify all instances of being disqualified, removed, determined to be a non-responsible bidder, debarred, assessed liquidated damages, terminated for default or otherwise prevented from bidding on, or completing, a federal, state, or local government project.

1. Have you ever been disqualified from any government contract?

Yes D No D

2. If yes, explain the circumstances including date of public entity action, name of project, contract award amount and current contact person at public entity:

Signature and Title of Bidder or Authorized Representative

BID BOND FOR

2020–2021 PAVEMENT REHABILITATION PROJECT

KNOW ALL PERSONS BY THESE PRESENTS that [Bidder] _________as PRINCIPAL, and ________, a corporation organized under the laws of the State of _________and licensed by the State of California to execute bonds and undertakings as sole surety, as SURETY, are held and firmly bound unto the City of Goleta, as City, in the penal sum of ten percent (10%) of the total Bid Price, including alternates, on the Contract Work submitted by PRINCIPAL to CITY for the above stated project, for the payment of which sum, PRINCIPAL and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas PRINCIPAL has submitted a proposal to CITY for the above stated project.

NOW, THEREFORE, the penal sum guaranteed by this bond shall be forfeited to the City in the event of any of the following: (1) The aforesaid Principal withdraws said bid after the Bid Deadline contrary to applicable law; or (2) Principal fails, within ten (10) business days after receipt of written notice that the contract has been awarded to Principal and tender of the Contract, to, deliver to City the executed Agreement, in the prescribed form, in accordance with the bid as accepted, and file with the City all documents required in section 3-1.18 of the City's General Provisions.

In case suit is brought upon this bond, SURETY further agrees to pay all reasonable attorneys' fees and costs incurred by CITY in an amount fixed by the court. SURETY hereby waives the provisions of California Civil Code Sections 2845 and 2849.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this _____day of _____, 20___.

PRINCIPAL: _____

(Address)

BY: (Signature and Title of Authorized Officer)

BY:

(Signature and Title of Authorized Officer)

SURETY:	
(Address)	
BY:	(Signature and Title of Authorized Officer)
BY:	(Signature and Title of Authorized Officer)
N 1 / N 11	

Note: All signatures must be acknowledged before a notary public. Attach appropriate acknowledgment. Also, evidence of the authority of any person signing as attorney-in-fact must be attached.

STATEMENT ACKNOWLEDGING PENAL AND CIVIL PENALTIES CONCERNING THE CONTRACTOR'S LICENSING LAWS

[Business & Professions Code § 7028.15; Public Contract Code § 20103.5]

The undersigned, a duly authorized representative of the Bidder, certify that I am aware of the provisions of California law and that I, or the company/individual on whose behalf this Bid is being submitted, hold a currently valid California contractor's license as set forth in the Business and Professions Code § 7028.15 and Public Contract Code § 20103.5 (and any updates).

A contractor 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.

Bidder:		
License No.:	Class	Expiration date:
DIR Registration No.:		
Date	Signature	

DECLARATION OF ELIGIBILITY TO CONTRACT [Labor Code §§ 1777.1 and 1777.7; Public Contract Code § 6109]

The undersigned, a duly authorized representative of the Bidder, certifies and declares that:

- 1. The Bidder is aware of Sections 1771.1 and 1777.7 of the California Labor Code, which prohibit a contractor or subcontractor who has been found by the Labor Commissioner or the Director of Industrial Relations to be in violation of certain provisions of the Labor Code, from bidding on, being awarded, or performing work as a subcontractor on a public works project for specified periods of time.
- 2. The Bidder is not ineligible to bid on, be awarded or perform work as a subcontractor on a public works project by virtue of the foregoing provisions of Sections 1771.1 or 1777.7 of the California Labor Code or any other provision of law.
- 3. The Bidder is aware of California Public Contract Code Section 6109 (and any updates.)
- 4. The Bidder has investigated the eligibility of each and every subcontractor the contractor intends to use on this public works project, and determined that none of them is ineligible to perform work as a subcontractor on a public works project by virtue of the foregoing provisions of the Public Contract Code, Sections 1771.1 and 1777.7 of the Labor Code, or any other provision of law.
- 5. 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.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct. Executed this _____ day of _____, 20___, at ____, California.

Signature:

Name: _____

Title:

Name of Company: _____

Note: Signature must be acknowledged before a notary public. Attach appropriate acknowledgment.

NON-COLLUSION DECLARATION FOR 2020–2021 PAVEMENT REHABILITATION PROJECT

I am the _____ [title] of _____ [name of bidder], the party making the foregoing bid, declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly, colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on

_____[date], at _____[city], ____[state]

(Signature and Title of Authorized Representative)

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SECTION D CONTRACT AWARD AND EXECUTION

CONTRACT PERFORMANCE BOND FORM PAYMENT BOND FORM

SAMPLE CONTRACT

This Public Works Agreement (herein referred to as "AGREEMENT") is made and entered into this _____ day of _ , 20___, by and between the **CITY OF GOLETA**, a municipal corporation (herein referred to as "CITY"), and **CONTRACTOR** (hereinafter referred to as "CONTRACTOR").

RECITALS

A. Pursuant to the Notice Inviting Sealed Bids for the **2020–2021 PAVEMENT REHABILITATION PROJECT**, bids were received, publicly opened, and declared on the date specified in the notice.

B. On _____, Goleta's City Council declared CONTRACTOR to be the lowest responsible bidder and accepted the bid of CONTRACTOR.

C. The City Council on this _____ day of (month), 20___, approved this AGREEMENT and authorized the City Manager to execute the AGREEMENT with CONTRACTOR for furnishing labor, equipment and material for the **2020–2021 PAVEMENT REHABILITATION PROJECT** in the City of Goleta.

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants herein contained, it is agreed:

- 1. <u>GENERAL SCOPE OF WORK: CITY agrees to engage CONTRACTOR and</u> <u>CONTRACTOR</u> agrees to furnish all necessary labor, tools, materials, appliances, and equipment for and do the work for the **2020–2021 PAVEMENT REHABILITATION PROJECT** in the City of Goleta. The work shall be performed in accordance with the Plans and Specifications dated (and as generally described in the "Notice Inviting Bids," attached as Exhibit A) and in accordance with bid prices set forth in CONTRACTOR'S Bid Proposal (attached as Exhibit B) and in accordance with the instructions of the City Engineer, or City's Manager's designee.
- 2. INCORPORATED DOCUMENTS TO BE CONSIDERED COMPLEMENTARY: The contract documents for the aforesaid project, a complete set of which is on file with the Goleta City Clerk's Office, shall consist of the Notice Inviting Bids, Instructions to Bidders, Bid Proposal, Standard Specifications, Special Provisions, and all referenced specifications, details, standard drawings, and appendices; together with this Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also, including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein. This contract is intended to require a complete and finished piece of work and anything necessary to complete the work properly and in accordance with the law and lawful governmental regulations shall be performed by CONTRACTOR whether set out specifically in the contract or not. Should it be ascertained that any inconsistency exists between the aforesaid documents and this written agreement, the provisions of this Agreement, and the Standard Specifications, in that order, shall control. Collectively, these contract documents constitute the complete

agreement between CITY and CONTRACTOR and supersede any previous agreements or understandings.

- 3. <u>COMPENSATION</u>: CONTRACTOR agrees to receive and accept the prices set forth in its Bid Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; and also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.
- 4. <u>TIME OF PERFORMANCE</u>: CONTRACTOR agrees to complete the work within Number () working days from the date of the notice to proceed. By signing this Agreement, CONTRACTOR represents to CITY that the contract time is reasonable for completion of the work and that CONTRACTOR will complete such work within the contract time. In accordance with Government Code Section 53069.85, CONTRACTOR agrees to forfeit and pay CITY as liquidated damages, not as a penalty, the sum of \$1000 per day for each and every day of unauthorized delay beyond the completion date, which amount shall be deducted from any payments due or to become due the CONTRACTOR.

5. <u>PREVAILING WAGES</u>:

- A. Pursuant to Labor Code Sections §§1720 et seq., including but not limited to sections 1771, 1774 and 1775, and as specified in Title 8, California Code of Regulations, Section 16000 et seq., CONTRACTOR must pay its workers prevailing wages. It is CONTRACTOR's responsibility to interpret and implement any prevailing wage requirements and CONTRACTOR agrees to pay any penalty or civil damages resulting from a violation of the prevailing wage laws.
- B. In accordance with Labor Code Section 1773.2, copies of the prevailing rate of per diem wages are available upon request from CITY's Engineering Division or the website for State of California Prevailing wage determination at http://www.dir.ca.gov/DLSR/PWD. CONTRACTOR must post a copy of the prevailing rate of per diem wages at the job site.
- C. CITY directs CONTRACTOR's attention to Labor Code Sections 1777.5, 1777.6 and 3098 concerning the employment of apprentices by CONTRACTOR or any subcontractor.
- D. Labor Code Section 1777.5 requires CONTRACTOR or subcontractor employing tradesmen in any apprenticeship occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate must also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases will not be less than one to five except:

- (1) When employment in the area of coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 days before the request for certificate, or
- (2) When the number of apprentices in training in the area exceeds a ratio of one to five, or
- (3) When the trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally, or
- (4) When assignment of an apprentice to any work performed under a public works contract would create a condition that would jeopardize his or her life or the life, safety, or property of fellow employees or the public at large, or the specific task to which the apprentice is to be assigned is of a nature that training cannot be provided by a journeyman.

Pursuant to Labor Code § 1776, CONTRACTOR shall comply with all Department of Industrial Relations registration requirements.

- E. CONTRACTOR is required to make contributions to funds established for the administration of apprenticeship programs if CONTRACTOR employs registered apprentices or journeymen in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.
- F. CONTRACTOR and any subcontractor must comply with Labor Code Sections 1777.5 and 1777.6 in the employment of apprentices.
- G. Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the Director of Industrial Relations (DIR), ex-officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.
- H. CONTRACTOR and its subcontractors must keep an accurate certified payroll records showing the name, occupation, and the actual per diem wages paid to each worker employed in connection with this Agreement. The record will be kept open at all reasonable hours to the inspection of the body awarding the contract and to the Division of Labor Law Enforcement. If requested by CITY, CONTRACTOR must provide copies of the records at its cost.
- 6. <u>LEGAL HOURS OF WORK:</u> CONTRACTOR agrees to comply with the provisions of California Labor Code Section 1813 concerning penalties for workers who work excess hours. Except as provided by Labor Code Section 1815, the CONTRACTOR shall, as a penalty to the CITY, forfeit twenty five dollars (\$25) 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 in violation of the provisions of Division 2, Part 7, Chapter 1, Article 3 (commencing at Section 1810) of the California Labor Code.

- 7. <u>TRAVEL AND SUBSISTENCE PAY:</u> CONTRACTOR agrees to pay travel and subsistence pay to each worker needed to execute the work required by this Agreement as such travel and subsistence payments are defined in the applicable collective bargaining agreements filed in accordance with Labor Code Section 1773.8.
- 8. <u>CONTRACTOR'S LIABILITY</u>: The CITY and its officers, agents and employees ("Indemnitees") shall not be answerable or accountable in any manner for any loss or damage that may happen to the work or any part thereof, or for any of the materials or other things used or employed in performing the work; or for injury or damage to any person or persons, either workers or employees of CONTRACTOR, of its subcontractors or the public, or for damage to adjoining or other property from any cause whatsoever arising out of or in connection with the performance of the work. CONTRACTOR shall be responsible for any damage or injury to any person or property resulting from defects or obstructions or from any cause whatsoever.

CONTRACTOR will indemnify Indemnities against and will hold and save Indemnitees harmless from any and all actions, claims, damages to persons or property, penalties, obligations or liabilities that may be asserted or claimed by any person, firm, entity, corporation, political subdivision, or other organization arising out of or in connection with the work, operation, or activities of CONTRACTOR, its agents, employees, subcontractors or invitees provided for herein, whether or not there is concurrent passive negligence on the part of CITY. In connection therewith:

a. CONTRACTOR will defend any action or actions filed in connection with any such claims, damages, penalties, obligations or liabilities and will pay all costs and expenses, including attorneys' fees, expert fees and costs incurred in connection therewith.

b. CONTRACTOR will promptly pay any judgment rendered against CONTRACTOR or Indemnitees covering such claims, damages, penalties, obligations and liabilities arising out of or in connection with such work, operations or activities of CONTRACTOR hereunder, and CONTRACTOR agrees to save and hold the Indemnitees harmless therefrom.

c. In the event Indemnitees are made a party to any action or proceeding filed or prosecuted against CONTRACTOR for damages or other claims arising out of or in connection with the work, operation or activities hereunder, CONTRACTOR agrees to pay to Indemnitees and any all costs and expenses incurred by Indemnitees in such action or proceeding together with reasonable attorneys' fees.

CONTRACTOR'S obligations under this section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of CITY under any provision of this agreement, Contractor shall not be required to indemnify and hold harmless CITY for liability attributable to the active negligence of CITY, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where CITY is shown to have been actively negligent and where CITY active negligence accounts for only a percentage of the liability involved, the

obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

So much of the money due to CONTRACTOR under and by virtue of the contract as shall be considered necessary by CITY may be retained by CITY until disposition has been made of such actions or claims for damages as aforesaid.

It is expressly understood and agreed that the foregoing provisions are intended to be as broad and inclusive as is permitted by the law of the State of California. This indemnity provision shall survive the termination of the Agreement and is in addition to any other rights or remedies which Indemnitees may have under the law.

This indemnity is effective without reference to the existence or applicability of any insurance coverage which may have been required under this Agreement or any additional insured endorsements which may extend to Indemnitees.

CONTRACTOR, on behalf of itself and all parties claiming under or through it, hereby waives all rights of subrogation and contribution against the Indemnitees, while acting within the scope of their duties, from all claims, losses and liabilities arising out of or incident to activities or operations performed by or on behalf of the CONTRACTOR regardless of any prior, concurrent, or subsequent passive negligence by the Indemnitees.

- 9. <u>THIRD PARTY CLAIMS:</u> In accordance with Public Contracts Code Section 9201, CITY will promptly inform CONTRACTOR regarding third-party claims against CONTRACTOR, but in no event later than ten (10) business days after CITY receives such claims. Such notification will be in writing and forwarded in accordance with the "Notice" section of this Agreement. As more specifically detailed in the contract documents, CONTRACTOR agrees to indemnify and defend the City against any third-party claim.
- 10. <u>WORKERS COMPENSATION</u>: In accordance with California Labor Code Sections 1860 and 3700, CONTRACTOR and each of its subcontractors will be required to secure the payment of compensation to its employees. In accordance with the provisions of California Labor Code Section 1861, CONTRACTOR, by signing this contract, certifies as follows: "I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for worker's compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this contract."
- **11.** <u>INSURANCE</u>: With respect to performance of work under this Agreement, CONTRACTOR shall maintain and shall require all of its subcontractors to maintain insurance as required in the Standard Specifications.
- **12.** <u>ASSIGNMENT</u>: This Agreement is not assignable nor the performance of either party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights of obligations of either party without the prior written consent of the other shall be void and of no force and effect.
- **13.** <u>INDEPENDENT CONTRACTOR</u>: CONTRACTOR is and shall at all times remain as to the CITY, a wholly independent contractor. Neither the CITY nor any of its agents shall

have control of the conduct of CONTRACTOR or any of CONTRACTOR'S employees, except as herein set forth. CONTRACTOR shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of CITY.

- 14. <u>TAXES</u>: CONTRACTOR is responsible for paying all retail sales and use, transportation, export, import, special or other taxes and duties applicable to, and assessable against any work, materials, equipment, services, processes and operations incidental to or involved in this contract. CONTRACTOR is responsible for ascertaining and arranging to pay them. The prices established in the contract shall include compensation for any taxes CONTRACTOR is required to pay by laws and regulations in effect at the bid opening date.
- **15.** <u>LICENSES</u>: CONTRACTOR represents and warrants to CITY that it has all licenses, permits, qualifications, insurance, and approvals of whatsoever nature which are legally required of CONTRACTOR to practice its profession. CONTRACTOR represents and warrants to CITY that CONTRACTOR shall, at its sole cost and expense, keep in effect or obtain at all times during the term of this Agreement any licenses, permits, insurance, and approvals which are legally required of CONTRACTOR to practice its profession. CONTRACTOR shall maintain a City of Goleta business license, if required under CITY ordinance.
- **16.** <u>RECORDS</u>: CONTRACTOR shall maintain accounts and records, including personnel, property, and financial records, adequate to identify and account for all costs pertaining to this Agreement and such other records as may be deemed necessary by CITY or any authorized representative, and will be retained for four years after the expiration of this Agreement. All such records shall be made available for inspection or audit by CITY at any time during regular business hours.
- **17.** <u>SEVERABILITY:</u> If any portion of these contract documents are declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Agreement will continue in full force and effect provided that it does not frustrate the mutual intent of the parties herein.
- **18.** <u>WHOLE AGREEMENT</u>: This Agreement supersedes any and all other agreements either oral or written, between the parties and contains all of the covenants and agreements between the parties pertaining to the work of improvements described herein. Each party to this contract acknowledges that no representations, inducements, promises or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statements or promise not contained in this contract shall not be valid or binding. Any modifications of this contract will be effective only if signed by the party to be charged.
- **19.** <u>AUTHORITY</u>: CONTRACTOR affirms that the signatures, titles, and seals set forth hereinafter in execution of this Agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein. Each party warrants that the individuals who have signed this Agreement have the legal power, right, and authority to make this Agreement and to bind each respective party. This

Agreement may be modified by written amendment. CITY's City Manager may execute any such amendment on CITY's behalf.

20. <u>NOTICES:</u> All notices permitted or required under this Agreement shall be in writing, and shall be deemed made when delivered to the applicable party's representative as provided in this Agreement. Additionally, such notices may be given to the respective parties at the following addresses, or at such other addresses as the parties may provide in writing for this purpose.

Such notices shall be deemed made when personally delivered or when mailed fortyeight (48) hours after deposit in the U.S. mail, first-class postage prepaid, and addressed to the party at its applicable address. Courtesy copies of notices may be sent via electronic mail, provided that the original notice is deposited in the U.S. mail or personally delivered as specified in this Section.

CITY OF GOLETA	
130 Cremona Drive, Suite B	
Goleta, CA 93117	
Attn: City Manager	
CONTRACTOR	

- **21.** <u>DISPUTES:</u> Disputes arising from this contract will be determined in accordance with the contract documents.
- 22. <u>NON-DISCRIMINATION:</u> No discrimination shall be made in the employment of persons in the work contemplated by this Agreement because of race, religion, color, medical condition, sex, sexual orientation, national origin, political affiliation or opinion, or pregnancy or pregnancy-related condition. A violation of this section exposes CONTRACTOR to the penalties provided for in Labor Code Section 1735.
- 23. <u>NO THIRD PARTY BENEFICIARY:</u> This Agreement and every provision herein is for the exclusive benefit of CONTRACTOR and CITY and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the CONTRACTOR's or the CITY's obligations under this Contract.
- **24.** <u>TIME IS OF ESSENCE</u>. Time is of the essence for each and every provision of the Contract Documents.
- 25. <u>ACCEPTANCE OF FACSIMILE OR ELECTRONIC SIGNATURES</u>: The Parties agree that this Agreement, agreements ancillary to this Agreement, and related documents to be entered into in connection with this Agreement will be considered signed when the signature of a party is delivered by facsimile transmission or scanned and delivered via electronic mail. Such facsimile or electronic mail copies will be treated in all respects as having the same effect as an original signature.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement with all the formalities required by law on the respective dates set forth opposite their signatures.

This Agreement is executed on this ____ day of ____, ____, at Goleta, California, and effective as of _____, ____.

CITY OF GOLETA:

Michelle Greene, City Manager

ATTEST:

Deborah Lopez, City Clerk

APPROVED AS TO FORM:

Winnie Cai, Assistant City Attorney

CONTRACTOR:

Name, Title

State of California License No.

Department of Industrial Relations Registration No.

Business Phone No.

CONTRACTOR'S Emergency Phone No. at which contractor can be reached at any time

FAITHFUL PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the City of Goleta, (hereinafter referred to as "City") has awarded to _______, (hereinafter referred to as the "Contractor") an agreement for the 2020–2021 PAVEMENT REHABILITATION PROJECT, (hereinafter referred to as the "Project").

WHEREAS, the work to be performed by the Contractor is more particularly set forth in the Contract Documents for the Project dated ______, (hereinafter referred to as "Contract Documents"), the terms and conditions of which are expressly incorporated herein by reference; and

WHEREAS, the Contractor is required by said Contract Documents to perform the terms thereof and to furnish a bond for the faithful performance of said Contract Documents.

NOW, THEREFORE, we, _____, the undersigned Contractor and ______as Surety, a corporation organized and duly authorized to transact business under the laws of the State of California, are held and firmly bound unto the City in the sum of ______ DOLLARS, (\$______), said sum being not less than one hundred percent (100%) of the total amount of the Contract, including alternates, for which amount well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that, if the Contractor, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the Contract Documents and any alteration thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning; and shall faithfully fulfill all obligations including the one (1) year guarantee of all materials and workmanship; and shall indemnify and save harmless the City, its officials, officers, employees, and authorized volunteers, as stipulated in said Contract Documents, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees including reasonable attorney's fees, incurred by City in enforcing such obligation.

As a condition precedent to the satisfactory completion of the Contract Documents, unless otherwise provided for in the Contract Documents, the above obligation shall hold good for a period of one (1) year after the acceptance of the work by City, during which time if Contractor shall fail to make full, complete, and satisfactory repair and replacements and totally protect the City from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the City's rights or the Contractor or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure Section 337.15.

Whenever Contractor shall be, and is declared by the City to be, in default under the Contract Documents, the Surety shall remedy the default pursuant to the Contract Documents, or shall promptly, at the City's option:

- 1. Take over and complete the Project in accordance with all terms and conditions in the Contract Documents; or
- 2. Obtain a bid or bids for completing the Project in accordance with all terms and conditions in the Contract Documents and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a Contract between such bidder, the Surety and the City, and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the City under the Contract and any modification thereto, less any amount previously paid by the City to the Contractor and any other set offs pursuant to the Contract Documents.
- 3. Permit the City to complete the Project in any manner consistent with California law and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the City under the Contract and any modification thereto, less any amount previously paid by the City to the Contractor and any other set offs pursuant to the Contract Documents.

Surety expressly agrees that the City may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Contractor.

Surety shall not utilize Contractor in completing the Project nor shall Surety accept a bid from Contractor for completion of the Project if the City, when declaring the Contractor in default, notifies Surety of the City's objection to Contractor's further participation in the completion of the Project.

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

[REMAINDER OF PAGE LEFT INTENTIONALLY BLANK]

IN WITNESS WHEREOF, we have, 20	e hereunto set our hands and seals this day of
(Corporate Seal)	Contractor/ Principal
	Ву
	Title
(Corporate Seal)	Surety
	By Attorney-in-Fact
(Attach Attorney-in-Fact Certificate)	Title
The rate of premium on this bond is charges is \$	per thousand. The total amount of premium
(The above must be filled in by corp	orate attorney.)
THIS IS A REQUIRED FORM	
Any claims under this bond may be	addressed to:
(Name and Address of Surety)	
Representative for service of	
process in California, if different from above)	
(Telephone number of Surety and Agent or Representative for service of process in California)	

		Notary Acknow	wledgment	
A notary public or othe verifies only the identiti document to which this truthfulness, accuracy,	er office ty of the certific or validit	r completing this certificate e individual who signed the ate is attached, and not the ty of that document.		
STATE OF CALIFORNIA				
COUNTY OF				
On	<u>,</u> 20	_, before me,	, Notary Public, personally	
appeared			_, who proved to me on the basis of satisfactory	
evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.				
paragraph is true and o			aws of the State of California that the foregoing	
		WITM	IESS my hand and official seal.	
		Signatu	re of Notary Public	
		OPTION		
		ow is not required by law, it may	y prove valuable to persons relying on the document	
			Achment of this form to another document. DESCRIPTION OF ATTACHED DOCUMENT	
🛛 Individual				
Corporate Officer				
Tit	le(s)		Title or Type of Document	
□ Partner(s)	j Lir	nited		
	Ge	neral	Number of Pages	
□ Attorney-In-Fact				
□ Trustee(s)				
Guardian/Conservator			Date of Document	
□ Other:				
Signer is representing:				
Name Of Person(s) Or Entity(ies)				
			Signar(a) Other These Margad Above	
			Signer(s) Other Than Named Above	

NOTE: This acknowledgment is to be completed for Contractor/Principal.

		Notary Ac	cknowledgment		
document to which t	his ce	officer completing this ce f the individual who sign rtificate is attached, and alidity of that document.	ertificate ned the not the		
STATE OF CALIFORN	IA				
COUNTY OF					
On	, 2	0, before me,	, Notary Public, personally		
appeared			, who proved to me on the basis of satisfactory		
evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.					
			WITNESS my hand and official seal.		
		0	Signature of Notary Public		
Thouah the info	rmatior	_	PTIONAL w, it may prove valuable to persons relying on the document		
and o	could p	revent fraudulent removal a	nd reattachment of this form to another document.		
	AIMEL	BY SIGNER	DESCRIPTION OF ATTACHED DOCUMENT		
□ Individual					
Corporate Officer					
	Title(s)	l insite d	Title or Type of Document		
□ Partner(s)		Limited	Nuclear (Deco		
□ Attorney-In-Fact		General	Number of Pages		
 □ Trustee(s) □ Guardian/Conservator 			Date of Document		
☐ Other:			Date of Document		
Signer is representing: Name Of Person(s) Or Entity(ies)					
	,				
			Signer(s) Other Than Named Above		
NOTE: This ackno	owled	ament is to be complete	ed for the Attorney-in-Fact. The Power-of Attorney to local		

NOTE: This acknowledgment is to be completed for the Attorney-in-Fact. The Power-of Attorney to local representatives of the bonding company must also be attached.

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LABOR AND MATERIAL PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS That

WHEREAS, the City of Goleta (hereinafter designated as the "City"), by action taken or a resolution passed ______, 20____, has awarded to _______ hereinafter designated as the "Principal," a contract for the work described as follows: the 2020–2021 PAVEMENT REHABILITATION PROJECT (the "Project"); and

WHEREAS, said Principal is required to furnish a bond in connection with said contract; providing that if said Principal or any of its Subcontractors shall fail to pay for any materials, provisions, provender, equipment, or other supplies used in, upon, for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Code or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of said Principal and its Subcontractors with respect to such work or labor the Surety on this bond will pay for the same to the extent hereinafter set forth.

NOW THEREFORE, we, the Principal and ______ as Surety, are held and firmly bound unto the City in the penal 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, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors or assigns, shall fail to pay any of the persons named in Civil Code Section 9100, fail to pay for any materials, provisions or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department or Franchise Tax Board from the wages of employees of the contractor and his subcontractors pursuant to Revenue and Taxation Code Section 18663, with respect to such work and labor the Surety or Sureties will pay for the same, in an amount not exceeding the sum herein above specified, and also, in case suit is brought upon this bond, all litigation expenses incurred by the City in such suit, including reasonable attorneys' fees, court costs, expert witness fees and investigation expenses.

This bond shall inure to the benefit of any of the persons named in Civil Code Section 9100 so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety on this bond shall not be exonerated or released from the obligation of this bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described, or pertaining or relating to the furnishing of labor, materials, or equipment therefore, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme or work of improvement herein above described, nor by any rescission or attempted rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the owner or City and original contractor or on the part of any obligee named in such bond, but the sole
conditions of recovery shall be that claimant is a person described in Civil Code Section 9100, and has not been paid the full amount of his claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned, including but not limited to the provisions of sections 2819 and 2845 of the California Civil Code.

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20___.

(Corporate Seal)

Contractor/ Principal

Ву_____

Title_____

(Corporate Seal)

Surety

By _____ Attorney-in-Fact

Title_____

(Attach Attorney-in-Fact Certificate)

	Notary Ackr	nowledgment
A notary public or other verifies only the identity document to which this of truthfulness, accuracy, or	officer completing this certific of the individual who signed certificate is attached, and not validity of that document.	cate the the
STATE OF CALIFORNIA		
COUNTY OF		
On	<u>,</u> 20, before me,	, Notary Public, personally , who proved to me on the basis of satisfactory
appeared		, who proved to me on the basis of satisfactory
acknowledged to me that	at he/she/they executed the ature(s) on the instrument	is/are subscribed to the within instrument and e same in his/her/their authorized capacity(ies), and the person(s), or the entity upon behalf of which the
I certify under PENALT paragraph is true and co		e laws of the State of California that the foregoing
	W	ITNESS my hand and official seal.
	Sig	nature of Notary Public
	OPTI	ONAL
Though the informat and could	ion below is not required by law, it prevent fraudulent removal and re	may prove valuable to persons relying on the document eattachment of this form to another document.
CAPACITY CLAIMI	ED BY SIGNER	DESCRIPTION OF ATTACHED DOCUMENT
🛛 Individual		
Corporate Officer		
Title	(s)	Title or Type of Document
□ Partner(s)	Limited	
	General	Number of Pages
□ Attorney-In-Fact		
□ Trustee(s)		
Guardian/Conservator		Date of Document
□ Other:		
Signer is representing:		
Name Of Person(s) Or Entity(ies)		
		Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for Contractor/Principal.

Notary Acknow	wledgment
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.	
STATE OF CALIFORNIA	
COUNTY OF	
On, 20, before me, appeared evidence to be the person(s) whose name(s) is/	
acknowledged to me that he/she/they executed the sa that by his/her/their signature(s) on the instrument the person(s) acted, executed the instrument.	ame in his/her/their authorized capacity(ies), and
I certify under PENALTY OF PERJURY under the la paragraph is true and correct.	aws of the State of California that the foregoing
WIT	IESS my hand and official seal.
Signatu	re of Notary Public
OPTION	
Though the information below is not required by law, it ma and could prevent fraudulent removal and reatta	
CAPACITY CLAIMED BY SIGNER	
□ Individual	
□ Corporate Officer	
Title(s)	Title or Type of Document
□ Partner(s) □ Limited	
	Number of Pages
□ Attorney-In-Fact	
□ Trustee(s)	
□ Guardian/Conservator	Date of Document
□ Other:	
Signer is representing:	
Name Of Person(s) Or Entity(ies)	
	Signer(s) Other Than Named Above
NOTE: This acknowledgment is to be completed for th	

NOTE: This acknowledgment is to be completed for the Attorney-in-Fact. The Power-of-Attorney to local representatives of the bonding company must also be attached.

END OF PAYMENT BOND

SECTION E CITY GENERAL PROVISIONS

Standard Specifications

The work provided herein shall be performed in accordance with the Standard Specifications for Public Works Construction, 2018 Edition, of the Southern California Chapter American Public Works Association. Part 1, General Provisions of the Standard Specifications is incorporated herein by reference. In case of conflict between the Standard Specifications and these General Provisions, the General Provisions shall take precedence.

Modifications to Standard Specifications

Section 1 – No changes.

Section 2 - Scope of the Work

Add the following:

Section 2-1.1 Conflict in Plans

As the figured dimensions shown on the drawings and in the specifications of the contract may not in every case agree with scale dimensions, the figured dimensions shall be followed in preference to the scaled dimensions, and drawings to a large scale shall be followed in preference to the drawings to a small scale. Should it appear that the work to be done, or any of the matter relative thereto is not sufficiently detailed or explained in the contract documents, the Contractor shall apply to the Engineer for such further explanations as may be necessary and shall conform thereto as part of the contract so far as may be consistent with the terms thereof.

Section 2-1.2 Suggestions to Contractor

Any plan or method of work suggested by the Agency or the Engineer to the Contractor but not specified or required, if adopted or followed by the Contractor in whole or in part, shall be used at the risk and responsibility of the Contractor; and the Agency and the Engineer shall assume no responsibility therefore and in no way be held liable for any defects in the work which may result from or be caused by use of such plan or method of work.

Section 2-5.5 Water for Construction

Attention is directed to the various sections of the Standard Specifications and these Special Provisions which require the use of water for the construction of this project.

Water for construction purposes as required by these Specifications will be provided by the Goleta Water District at the Contractor's expense. The City encourages the Contractor to use reclaimed water when a fill station is located nearby.

Water required for controlling dust, caused by the Contractor's operations and the passage of traffic through the construction site shall be applied as necessary, at the Contractor's expense. The Contractor shall, whenever possible and not in conflict with these specifications, minimize

the use of water during construction of the project. Watering equipment shall be kept in good working order and water leaks shall be repaired promptly.

Full compensation for providing water for the project shall be considered as included in the contract prices paid for the various items of work and no separate payment shall be

Section 2-7.1 General

The City will issue a Contract Change Order (CCO) if a change to the Total Contract Price or Contract Time is necessary. The Contractor will not be entitled to any adjustments in either Contract Time or Total Contract Price for changes performed without written direction from the City. Adjustments in Contract Time or Total Contract Price for changes performed will not be made until a Contract Change Order is approved.

Section 2-10 Disputed Work

If the Contractor and the Agency are unable to reach agreement on disputed work, the Agency may direct the Contractor to proceed with the work. Disputes which remain unresolved shall be subject to Section 9 and 10, Claim Resolution Process. Payment shall be later determined by mediation, if the Agency and Contractor agree thereto, or as fixed in a court of law. Although not to be construed as proceeding under extra work provisions, the Contractor shall keep and furnish records of disputed work in accordance with the Contract Documents.

Section 3 – Control of the Work

Add the following:

Section 3-7.2 Precedence of the Contract Documents.

In the event of conflicts or discrepancies between the Contract Documents, the provision placing a more stringent requirement on the Contractor shall prevail. The Contractor shall provide the better quality or greater quantity of Work and/or materials, unless otherwise directed by Agency in writing. In the event none of the Contract Documents place a more stringent requirement or greater burden on the Contractor, the controlling provision shall be that which is found in the document with higher precedence.

The governing ranking of Contract parts in descending order is:

- 1. Permits and other governmental approvals;
- 2. Change Orders and Construction Change Directives, issued after execution of the Agreement
- 3. Agreement/Contract; including all attachments and Addenda with later Addenda having priority over earlier Addenda
- 4. City Special Provisions
- 5. City General Provisions
- 6. Project Plans
- 7. Standard Specifications for Public Works Construction, 2018 Edition (Greenbook)
- 8. City of Goleta standard Plans
- 9. County of Santa Barbara standard Plans
- 10. Caltrans Standard Special Provisions for 2015 Standard Specifications
- 11. Caltrans Revised Standard Specifications
- 12. Caltrans Standard Specifications
- 13. Caltrans Revised Standard Plans
- 14. Supplemental project information

- 15. Written numbers and notes on a drawing govern over graphics
- 16. A detail drawing governs over a general drawing
- 17. A detail specification governs over a general specification
- 18. A specification in a section governs over a specification referenced by that section

If a discrepancy is found or confusion arises, submit a Request for Information (RFI.)

Section 3-13.3.1 Guaranty

The Contractor shall warrant and guarantee the entire work and all parts thereof, including that performed and constructed by Subcontractors, Sub-subcontractors, and others employed directly or indirectly on the work, against faulty or defective materials, equipment or workmanship for the maximum period provided by law. In addition, thereto, for a period of one year commencing on the date of acceptance of the work, the Contractor shall, upon the receipt of notice in writing from the Agency, promptly make all repairs arising out of defective materials, workmanship or equipment and bear the cost thereof. The Agency is hereby authorized to make such repairs and the Contractor and Surety shall bear the cost thereof if, ten (10) days after the giving of such notice to the Contractor, the Contractor has failed to make or undertake with due diligence the repairs, provided, however, that, in the case of an emergency where, in the opinion of the Agency, delay could cause serious loss or damage, repairs may be made without notice being sent to the Contractor or Surety, and all expense in connection therewith shall be charged to the Contractor and Surety.

For the purpose of this article, "acceptance of the work" shall mean the acceptance of the work by the Agency in accordance with the Contract Documents but not for the purpose of extinguishing any covenant or agreement on the part of the Contractor to be performed or fulfilled under this contract which has not in fact been performed or fulfilled at the time of such acceptance all of which covenants and agreements shall continue to be binding on the Contractor until they have been fulfilled.

The effective date of acceptance of the work for purposes of determining commencement of the warranty period shall be the date of recordation of the Notice of Completion by the County Recorder.

Section 4 – Control of Materials

Add the following:

Section 4-1.1. Retention of Defective Work

If, in the opinion of the Engineer, the defective work is not of sufficient magnitude or importance to make the work dangerous or undesirable, or if, in the opinion of the Engineer, the removal of such work is impractical or will create conditions which are dangerous or undesirable, the Agency shall have the right and authority to retain such work instead of requiring it to be removed and reconstructed, but will make such deductions therefore in the payments due or to become due to the Contractor as the Agency may deem just and reasonable.

<u>Section 5</u> – Legal Relations and Responsibilities

Add the following:

Section 5-1.1 Mandatory Notification Prior to Excavation

The Contractor's attention is directed to Section 4215.5 through 4217 of the Government Code of the State of California. This requires that two (2) working days prior to commencing <u>any</u>

excavation <u>"Underground Service Alert of Southern California"</u> be notified by telephone, toll free 1-800-422-4133 or 811, for the assignment of an Inquiry Identification Number.

No excavation shall commence unless the Contractor has obtained the Inquiry Identification Number and so notified the Engineer.

As part of the performance required, the Contractor shall assist the Agency to and provide the Agency with, any and all compliance required of Agency as an operator under the provisions of California Government Code Sections 4216-4216.5.

Section 5-1.2 Accuracy of Utilities Information`

The locations of existing major utilities, whether above ground or underground, are indicated on the drawings. The Agency does not guarantee the accuracy or completeness of this information and it is to be understood that other above-ground and underground facilities not shown on the drawings may be encountered during the course of the work. In any case, existing minor lines are not indicated.

Section 5-4.2 General Liability Insurance

The general liability must be at least combined single limits of no less than \$2,000,000 per occurrence for all covered losses and no less than \$4,000,000 general aggregate, and must contain:

- 1. Extension of coverage to the City, its officials, officers, agents and employees, as additional insureds, with respect to Contractor's liabilities hereunder in insurance coverages identified above;
- A provision that coverage will not be canceled or subject to reduction until at least thirty (30) days' prior written notice has been given to the City Clerk, addressed to 130 Cremona Drive, Suite B, Goleta, CA 93117;
- 3. A provision that Contractor's insurance shall apply as primary, and not excess of, or contributing with, the City;
- 4. Contractual liability coverage sufficiently broad so as to include the liability assumed by the Contractor in the indemnity and hold harmless provisions of the Standard Condition;
- 5. A cross liability clause, or equivalent wording, stating that coverage will apply separately to each named or additional insured as if separate policies had been issued to each;
- 6. A broad form property damage endorsement;
- 7. A provision that the policies be provided on an "occurrence" basis;
- 8. Coverage for XCU (explosion, collapse, underground) hazards if applicable to the work; and
- 9. Products and completed operations coverage.

Umbrella or Excess Liability policies (Over Primary) if used to meet limit requirements shall provide coverage at least as broad as specified for underlying coverages and covering those insured in the underlying policies. Any such policy shall include a drop-down provision providing primary coverage above a maximum \$25,000 self-insured retention for liability not covered by primary but covered by the umbrella. Coverage shall be "pay on behalf," with defense costs payable in addition to policy limits. There shall be no cross-liability exclusion of claims or suits by one insured against another. Coverage shall be applicable to City for injury to employees of Contractor, subcontractors or others involved in the Work. Limits are subject to review but in no event less than \$1,000,000 per occurrence.

Approval of insurance by the City or acceptance of the certificate of insurance by City shall not relieve or decrease the extent to which the Contractor may be held responsible for payment of

damages resulting from Contractor's services or operation pursuant to the Agreement, nor shall it be deemed a waiver of City's rights to insurance coverage hereunder.

Replace entire section 5-4.2-1 with:

5-4.2-1 Policy Forms, Endorsements and Certificates

Provide and maintain current certificates of Insurance on forms supplied by the City and evidencing the above coverage to City prior to execution of this Agreement by City. Exercise due diligence to require any and all subcontractors and/or sub-subcontractors and all tiers of such subcontractors to provide General and Automobile Liability, and Workers' Compensation and Employer's Liability Insurance with minimum limits of coverage and upon terms and provisions required above.

Section 6- Prosecution and Progress of the Work

Add the following:

Section 6-1.3 Notice to Proceed

After the execution of the contract, written notice to proceed will be given by the Agency to the Contractor. Notwithstanding any other provision of the contract, the Agency shall not be obligated to accept or to pay for any work furnished by the Contractor prior to delivery of notice to proceed whether or not the Agency has knowledge of the furnishing of such work.

Section 6-4.1.1 Notice of Delays

Whenever the Contractor foresees any delay in the prosecution of the work, and in any event immediately upon the occurrence of any delay which the Contractor regards as unavoidable, the Contractor shall notify the Engineer in writing of the probability of the occurrence of such delay and its cause in order that the Engineer may take immediate steps to prevent, if possible, the occurrence or continuance of the delay, or, if this cannot be done, may determine whether the delay is to be considered avoidable or unavoidable, how long it continues, and to what extent the prosecution and completion of the work are to be delayed thereby. It will be assumed that any and all delays which have occurred in the prosecution and completion of the Engineer at the time of their occurrence and found by the Engineer to have been unavoidable.

The Contractor shall make no claims that any delay not called to the attention of the Engineer at the time of its occurrence has been an unavoidable delay.

Section 6-4.1.2 Avoidable Delays

Avoidable delays in the prosecution or completion of the work shall include all delays which in the opinion of the Engineer would have been avoided by the exercise of care, prudence, foresight and diligence on the part of the contractor or the subcontractors. The following shall be considered avoidable delays within the meaning of the contract: 1) Delay in the prosecution of parts of the work which may in themselves be unavoidable but do not necessarily prevent or delay the prosecution of other parts of the work nor the completion of the whole work within the time herein specified; 2) Reasonable loss of time resulting from the necessity of submitted samples of materials and drawings to the Engineer for approval and from making of tests of materials, measurements and inspections; 3) Reasonable interference of other contractors

employed by the Agency which do not necessarily prevent the completion of the whole work within the time agreed upon.

Section 6-4.1.3 Extension of Time

In case the work is not completed in the time specified, including such extensions of time as may have been granted for unavoidable delays, the Contractor will be assessed damages for delay in accordance with the Contract Documents. The Agency, however, shall have the right to grant an extension of time for avoidable delay if it is deemed in the Agency's best interest to do so. During such extension of time, the Contractor will be charged for engineering and inspection services and other costs as provided in the Contract Documents.

Section 6-2.1 Working Hours

Regular working hours shall be within the hours of 7:30 a.m. and 4:30 p.m., unless otherwise authorized by the Engineer or as otherwise identified in these Contract Documents. Overtime and shift work may be established as a regular procedure by the Contractor only with the written permission of the Engineer. Such permission may be revoked at any time. No work shall be permitted on Saturdays, Sundays or legal holidays, except such work as is necessary for the proper care and protection of the work already performed or in case of an emergency.

It is unlawful to construct, demolish, excavate, alter or repair any building or structure between the hours of 8:00 p.m. and 6:00 a.m. without the written approval of the Engineer. The following required information shall be provided to the Engineer in writing a minimum of fourteen (14) calendar days in advance of the commencement of the proposed work:

- 1. Specific date, hours and location of work
- 2. Complete description of work to be done
- 3. Number and type of equipment to be used
- 4. Noise mitigation measures to be employed
- 5. Distance of the nearest resident to the work
- 6. Inspection required

All work in the following commercial zones is prohibited between November 15 and January 2: Hollister Avenue between Pacific Oaks Road and Cortona Drive; Storke Road between the 101 Freeway and Marketplace Drive; Hollister Avenue between Fairview Avenue and Patterson Avenue; Fairview Avenue between Shirrell Way and Carson Street; and Calle Real between Vega Street and Kellogg Avenue.

All work on streets within a School Zone as defined by the California Vehicle Code 40802 shall be limited to days when school is not in session or while students are not traveling to and from school, unless otherwise authorized by the Engineer in writing.

To the extent practicable, all work shall be scheduled to minimize inconvenience to the public, such as coordinating the timing of work in a specific area, or to avoid potential conflicts with adjacent private development to the degree possible.

Section 6-8.1 Completion and Acceptance

A job walk will be performed at such time as the Contractor indicates that all items have been completed. A list of the remaining minor tasks (a punch list) will be prepared by the Engineer and given to the Contractor.

All punch list items shall be completed during the contract period, and the Agency will assess liquidated damages for each day that the punch list items are not completed beyond the contract period. When all items have been completed to the satisfaction of the City Engineer, the project will be submitted to the City Council recommending accept once the completed work.

The Engineer will, in reporting completion to the City Council, give the date when the work was completed. This will be the date when the Contractor is relieved from responsibility to protect and maintain the work, except for portions of the work for which the Contractor may have previously been relieved of such responsibility in accordance with the Contract Documents.

Section 6-9.1 Liquidated Damages for Avoidable Delay

For each and every day that any portion of the work remains unfinished after the time fixed for completion in the contract documents as modified by any extension of time granted pursuant to Section 6-4.6.3, damage will be sustained by the Agency. Because of the difficulty in computing the actual material loss and disadvantage to the Agency, it is determined in advance and agreed to by the parties hereto that the Contractor will pay the Agency the amount of damages set forth herein as representing a reasonable forecast of the actual damages which the Agency will suffer by the failure of the Contractor to complete the work within the stipulated time. The execution of the agreement shall constitute acknowledgment by the Contractor that he or she has ascertained and agrees that the Agency will actually suffer damages in the amount herein fixed for each and every day during which the completion of the work is avoidably delayed beyond the stipulated completion date.

Unless otherwise provided in the contract documents, the Contractor shall have no claim or right of action against the Agency for damages, costs, expenses, loss of profits, or otherwise because or by reason of any delay in the fulfillment of the contract within the time limited therefore occasioned by any cause or event within or without the Contractor's control, and whether or not such delay may have resulted from anything done or not done by the Agency of the contract.

Damages for avoidable delays shall be in the amount of **\$1,000.00** for each **consecutive calendar** day in excess of the time specified for completion of the work.

Section 7 – Measurement and Payment

Add the following:

Section 7-3.2.1 Request for Payment

Progress payments will be made monthly after, receipt of a properly completed request from the Contractor with qualities confirmed and approval by the City. The Contractor shall submit all such requests for monthly progress payments, and shall include the following forms as applicable:

Form CC1: Progress Payment Request

This form is to be completed and signed by the Contractor and attached as a cover sheet to the request for payment. This form will be mandatory on all contract payment requests.

Form CC2: Progress Payment Request - Detail

This form shall be used by the Contractor to provide the detail required to verify the payment quantities.

Form CC3: Quantity Change Verification Form

This form is required before any payment can be made based on actual quantities exceeding bid quantities. At the conclusion of the contract, the City will issue a "Balancing Change Order" incorporating all quantity increases and decreases in the contract items of work.

Form CC4: Final Release Form

This form shall be signed by the Contractor and submitted with the final payment request. The contractor shall also sign and submit the Acknowledgement of Final Closeout and Release of Claims with the final Payment Request, or other documents to the satisfaction of the engineer. The City will withhold five (5) percent of all monthly progress payments as retention to assure completion and payment of labor and materials. Retention will be released to the Contractor Thirty Five (35) days after acceptance of the work by the City Council and the filling of a Notice of Completion.

	<i>CITY OF GOLETA,</i> Public Works Departn Construction Contra <i>Form CC1 - Progress Payme</i>	nent act
From:	r onni oo r - r rogress r aynie	Date:
	Contractor	Contract No.:
		Payment Request No.:
	Address	
To:	CITY OF GOLETA Public Works Department 130 Cremona Drive, Suite B Goleta, California 93117	Project Name:
	Original Contract Amount:	\$
	Approved Change Orders through #:	\$
	Quantity Changes:	\$
	(Requires Project Engineer verification)	
	Total Contract Amount to Date:	\$
	Value of Work Completed to Date:	\$
	Less Retention:	\$
	Less Liquidated Damages:	\$
	Subtotal:	\$
	Less Previous Payments Approved:	\$
	Progress Payment Requested:	\$
knowle	dersigned Contractor or Contractor's Authorized Represe dge, information and belief, the work covered in this app ance with the contract documents and the costs shown ar	lication for payment has been completed in
	Signature	Print Name
	Title	Date

CITY OF GOLETA, CA Public Works Department

Construction Contract Form CC2- Progress Payment Request - Detail

Date:

Payment Request No:

Contract No.:

Contractor:

Project Name:

ITEM NO.	DESCRIPTION	UNIT	BID QUANTITY	UNIT/ FIRM PRICE	INPLACE THIS PERIOD		INPLACE TOTAL	
					QTY. OR %	EXTN.	QTY. OR %	EXTN.
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								

Contractor Signature

Date

Inspector Signature

Date

CITY OF GOLETA, CA Public Works Department

Form CC3- Quantity Change Verification Form

Date:

#_

Contract No.:

Contractor:

Project Name:

INSTRUCTIONS

This form is to accompany progress payments where there is quantity changes (variations in quantities authorized as part of the progress or final payment.

The quantity changes in amount of \$_____ accompanying Progress Payment

_____ have been reviewed and actual quantities verified.

Project Engineer Signature

Date

Bid Item #	Item Description	Variance	Total		
	ATTACH ADDITIONAL SHEETS IF NECESSARY				

Contractor Signature

Inspector Signature

Date

Date

Duhli	CITY OF GOLETA, CA				
Рирп	Public Works Department Construction Contract Form CC4- Final Release Payment				
From:	Contractor	Date: Contract No			
	Address	Payment Request No			
		Project Name:			
To:	CITY OF GOLETA, CA Public Works Department 130 Cremona Drive, Suite B Goleta, California 93117				
Goleta releas worke under evider paym This r mater for all	a City Council, including any approve se any and all further rights of the C er's, mechanic's or material supplier's rsigned may have for the work furnish nce for settlement of final payment and ent for Contractor in connection with the release covers the final payment to the u rial furnished on the job, including the wo	val of a Notice of Completion for the project by the ed changes, this document shall be effective to ontractor to security for payment, including any lien, stop notice claim or right to bond that the ned for the project. This document is offered as d to induce the City Council to approve such final e PROJECT NAME. undersigned for all labor, services, equipment and ork of all subcontractors and all materials furnished behalf of the undersigned on this work. There are			
	Contractor Signature:	Print Name:			
	Title:	Date:			
NOTI	CE: A signed final release is required v	vith submittal of request for payment.			

Post-Construction Waste Reduction & Recycling Summary Report

Diversion Requ	Diversion Requirement: Reduce quantity of materials disposed at landfills by 65% or more.				
Column A:	List estimated quantities of waste for each material type (in tons). To convert material quantities				
	to tons, use the Materials Conversion Worksheet provided in your packet.				
Columns B, C, D:	List estimated quantities reused, recycled, or disposed.				
Column E:	State the name of all vendors or facilities to be used to reuse, recycle or dispose of material listed. See example below for cases where more than one facility will be used for a particular material type.				
Column Totals:	Add up all quantities listed in Column A. Do the same for Columns B, C and D.				

Waste Reduction & Recycling Summary REPORT (WRRS Report)

Material Handling M	lethods - Indica	ate quantities (ir	n tons only) for	each material l	isted.
	<u>A</u>	<u>B</u>	<u>C</u>	D	<u>E</u>
Material Type	Total Tons	Quantity	Recycling	Estimated	Anticipated Material
	Generated	Salvaged or		Disposal	Destination(s)
Example:	(A=B+C+D)	Reused			(R): Recycled; (D): Disposal (R) MarBorg
Cardboard	2 tons		1.5	.5	(D) Tajiguas Landfill
Asphalt & Concrete					
Brick/Masonry/Tile					
Building Materials (doors, windows, fixtures, etc.)					
Carpet					
Carpet padding/Foam					
Cardboard					
Ceiling tile (acoustic)					
Dirt					
Drywall (used)					
Drywall (new, unpainted sheets or scrap)					
Landscape Debris (brush, trees, stumps, etc.)					
Scrap metal					
Unpainted Wood and Pallets					
Garbage/Trash					
Other					
Recycled mixed debris					
Column Totals					

with the column totals: B _____ + C _____) / A ____ = ____ x 100 = ____%

8. Is the percentage listed in #7 greater than or equal to 65%? UYES UNO - If "NO" please explain why:

ACKNOWLEDGEMENT OF FINAL CLOSEOUT AND RELEASE OF CLAIMS

THIS ACKNOWLEDEMENT OF FINAL CLOSEOUT AND RELEASE OF CLAIMS (Acknowledgement) is made in Goleta, California, this _____ day of _____, ___, by and between the City of Goleta, (Owner), and _____ (Contractor). (Contractor). KNOW ALL PERSONS BY THESE PRESENTS:

- 1. That the undersigned, as the authorized representative of Contractor, and for each of its consideration assigns and partners. for and in successors. of (\$_____), for the original Contract amount, and the sum of _____) for Contract Change Orders Nos.(1) through _____ (__), receipt of which (\$____ is acknowledged, does release and forever discharge Owner, and each of its successors, assigns, council members, officers, agents, servants, volunteers and employees, from any and all rights, claims, causes of action, demands, debts, obligations, liabilities, actions, damages, costs and expenses (including but not limited to attorneys', paralegal and experts' fees, costs and expenses) and other claims, which may be asserted against Owner by reason of any matter or thing which was the subject matter of or basis for:
 - A. The performance of all terms and conditions of the Public Works Contract agreement dated ______, for Owner project described as **2020–2021 PAVEMENT REHABILITATION PROJECT.**
 - B. Change Orders Nos. one (1) through _____ (___), as approved by the parties, pertaining to Purchase Order No. _____
- 2. Nothing contained in this Acknowledgement shall waive or alter the rights, privileges, and powers of Owner or the duties, liabilities and obligations of Contractor and its surety(ies) in respect to any portion of the Contract.
- 3. Owner has received the following claims from Contractor _

cept as

expressly provided in this section, Owner has received no other claims from Contractor.

- 4. Upon execution of this Acknowledgement, Owner agrees to promptly initiate the process for City Council to approve the Notice of Completion (NOC) and record the NOC with the Santa Barbara County Recorder.
- 5. Contractor and Owner agree that the total adjusted Contract Price and time of performance after the execution of change orders, is as follows:

Original Contract Price Original Calendar Days \$_____davs

Adjusted Contract Price with Change Orders Adjusted Calendar Days

\$	
	days
•	
\$	
\$	

- Final Contract Price Per Actual Work Completed \$___ Final Retention Amount \$___
- 6. The retention will be released to Contractor within thirty-five (35) days after acceptance of the work by the City Council and the filing of a Notice of Completion.
- 7. It is understood and agreed by Contractor that the facts with respect to which the release provided pursuant to this Acknowledgement is given may turn out to be other than or different from the facts as now known or believed to be, and Contractor expressly assumes the risk of the facts turning out to be different than they now appear, and agrees that the release provided pursuant to this Acknowledgement shall be, in all respects, effective and not subject to termination or rescission by any such difference in facts and Contractor expressly waives any and all rights it has or may have under California Civil Code Section 1542, which provides as follows:

"A general release does not extend to claims which the creditor does not know or suspect to exist in his favor at the time of executing the Release which if known by him must have materially affected his settlement with the debtor."

- 8. The release made by Contractor is not to be construed as an admission or admissions of liability and Contractor denies any such liability. Contractor agrees that it will forever refrain and forebear from commencing, instituting or prosecuting any lawsuit, action or other proceeding against Owner based on, arising out of, or in any way connected with the subject matter of this release.
- 9. Except as specifically provided in this Acknowledgement, the Contractor releases Owner from all claims, including but not limited to those of its Subcontractors for all delay and impact costs, if any.
- 10. The Contractor represents and warrants to Owner that Contractor has not assigned or transferred or purported to assign or transfer to any person, firm, corporation, association or entity any of the rights, claims, warranties, demands, debts, obligations, liabilities, actions, causes of action, damages, costs, expenses and other claims and Contractor agrees to indemnify and hold harmless Owner, its successors, assigns, council members, officers, agents, servants, volunteers and employees, from and against, without limitation, any and all rights, claims, warranties, demands, debts, obligations, liabilities, actions, causes of action, damages, costs, expenses and other claims, including but not limited to attorneys', paralegal and experts' fees, costs and expenses arising out of or connected with any such assignment or transfer.
- 11. The parties acknowledge that they have been represented by counsel of their own choice in connection with the preparation and execution of this Acknowledgement. The parties

acknowledge and represent that they understand and voluntarily consent and agree to each and every provision contained in this Acknowledgement.

- 12. The persons executing this Acknowledgement represent and warrant to the other party that the execution and performance of the terms of this Acknowledgement have been duly authorized by all individual, corporate, partnership, or other entity requirements and that such persons have the right, power, legal capacity and authority to execute and enter into this Acknowledgement.
- 13. The parties further acknowledge and represent that no promise, inducement or agreement, not expressed in this Acknowledgement, have been made and that, with respect to the matters considered, this Acknowledgement contains the entire agreement among the parties and that the terms of the Acknowledgement are contractual and not a mere recital.

CITY OF GOLETA

CONTRACTOR

By/Title

Date

By/Title

Date

Replace Section 7-3.5.2 Increases of More Than 25 Percent

Should the actual quantity of an item of work covered by a Contract Unit Price and constructed in conformance with the Plans and Specifications, exceed the Bid quantity by more than 25 percent, payment for the quantity in excess of 125 percent of the Bid quantity will be made on the basis of a decrease in the Contract Unit Price mutually agreed to by the Contractor and the Agency, or in the event mutual agreement cannot be reached, on the basis of Extra Work per 7-4 or at the Contract Unit Price at the Agency's option. The Extra Work per 7-4, basis of payment, shall not include fixed costs. Fixed costs will be deemed to have been recovered by the Contractor through payment for 125% of the Bid quantity at the Contract Unit Price.

Section 7-3.5.3 Decrease of More Than 25 Percent.

The Agency, at its sole discretion, may decrease the quantities of the items of work to be completed under this contract. In such an event, payment will be made based upon the decrease in quantity at the Contract Unit Price, except for Major Bid Items as described below. A Major Bid Item is defined as a single Contract item constituting 10% or more of the original Total Contract Price. In the case of a decrease in a Major Bid Item, the following will apply:

Should the actual quantity of an item of work covered by a Contract Unit Price, and constructed with the Plans and Specifications, be less than 75 percent of the Bid quantity, an adjustment in payment will not be made unless so requested in writing by the Contractor. If the Contractor so requests, payment will be made on the basis of an adjustment in the Contract Unit Price mutually agreed to by the Contractor and the Agency, or at the option of the Engineer, on the basis of Extra Work per 3-3; however in no case will payment be less than would be made for the actual quantity at the Contract Unit Price nor more than would be made for 75 percent of the Bid quantity at the Contract Unit Price.

Section 7-3.8 Eliminated Items

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

Section 7-4.3 Makeup Add the following:

<u>Section 7-4.3.1</u> Work by Contractor. The following percentages shall be the maximum allowed to be added to the Contractor's costs and shall constitute the maximum markup for all overhead and profits:

- 1) Labor15%2) Materials10%3) Equipment Dental10%
- 3) Equipment Rental 10%
- 4) Other Items and Expenditures 10%

To the sum of the costs and markups provided for in this subsection, 1 percent shall be added as compensation for bonding.

Section 7-4.3.2 Work by Subcontractor.

When all or any part of the extra work is performed by a Subcontractor, the markup established in Section 7-4.3.1 shall be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first \$5,000 of the subcontracted portion of the extra work and a markup of 5 percent on work in excess of \$5,000 of the subcontracted portion of the extra work may be added for the Contractor's costs and supervision.

Section 8 - No changes

Section 9– Claim Resolution Process

Effective January 1, 1991, Section 20104 et seq., of the California Public Contract Code prescribes a process utilizing informal conferences, non-binding judicial supervised mediation, and judicial arbitration to resolve disputes on construction claims of \$375,000 or less. Effective January 1, 2017, Section 9204 of the Public Contract Code prescribes a process for negotiation and mediation to resolve disputes on construction claims. The intent of this Section is to implement Sections 20104 et seq. and Section 9204 of the California Public Contract Code. This Section shall be construed to be consistent with said statutes.

For purposes of these procedures, "Claim" means a separate demand by the Contractor, after the Agency has denied Contractor's timely and duly made request of payment in accordance with the Standard Specifications for (A) a time extension, (B) payment of money or damages arising from work done by or on behalf of the Contractor pursuant to the Contract for a public work and payment of which is not otherwise entitled to, or (C) an amount the payment of which is disputed by the Agency.

The following requirements apply to all claims to which this section applies:

Section 10 – Potential Claims and Dispute Resolution

Add the following:

Section 10-1 Potential Claim

Any demand or assertion by the Contractor seeking an adjustment of Contract Price and/or Contract Time, or other relief, for any reason whatsoever, must be in strict compliance with the requirements of the Contract Documents. For purposes of this Section 10-1, any and all work relating to any such demand or assertion shall be referred to as "Disputed Work," regardless of whether the basis of the demand or assertion arises from an interpretation of the Contract Documents, an action or inaction of the Contractor, the Engineer, or the City, or any other event, issue, or circumstance. The Contractor shall bear all costs incurred in complying with the provisions of this Section 10-1.

Promptly upon becoming aware of any event, issue, or circumstance including, but not limited to, disputes arising under the Contract, the acts or omissions of the Engineer or City or by operation of law, which the Contractor believes, in whole or in part, provides a basis for an adjustment of Contract Price and/or Contract Time. Or that Contractor's performance is excused, or other relief, Contractor shall provide a signed written Initial Notice of Potential Claim to the Engineer in a format acceptable to the City. Contractor shall provide a signed written initial notice of potential claim to the Engineer within 5 days from the date the dispute first arose and before commencing any disputed work. The initial notice of potential claim shall provide the nature and circumstances involved in the dispute which shall remain consistent through the dispute. The initial notice of potential claim shall be submitted on Form CEM 6201A available on Caltrans' website and shall be certified with reference to the California False Claims Act, Government Code Sections 12650 12655. Assign an exclusive identification number for each dispute, determined by chronological sequencing, based on the date of the dispute.

The exclusive identification number for each dispute shall be used on the following corresponding documents:

- 1. Initial notice of potential claim.
- 2. Supplemental notice of potential claim.
- 3. Full and final documentation of potential claim.
- 4. Corresponding claim included in the Contractor's written statement of claims.

Provide the Engineer the opportunity to examine the site of work within 5 days from the date of the initial notice of potential claim. Proceed with the performance of contract work unless otherwise specified or directed by the Engineer.

Throughout the disputed work, maintain records that provide a clear distinction between the incurred direct costs of disputed work and that of undisputed work. Allow the Engineer access to your project records deemed necessary by the Engineer to evaluate the potential claim within 20 days of the date of the Engineer's written request.

Within 15 days of submitting the initial notice of potential claim, submit a signed supplemental notice of potential claim to the Engineer that provides the following information:

- 1. The complete nature and circumstances of the dispute which caused the potential claim.
- 2. The contract provisions that provide the basis of claim.
- 3. The estimated cost of the potential claim, including an itemized breakdown of individual costs and how the estimate was determined.
- 4. A time impact analysis of the project schedule that illustrates the effect on the scheduled completion date due to schedule changes or disruptions where a request for adjustment of contract time is made.

Include your complete reasoning for additional compensation or adjustments.

Submit the supplemental notice of potential claim on Form CEM 6201B furnished by the Department and certify with reference to the California False Claims Act, Government Code

Sections 12650 12655. The Engineer will evaluate the information presented in the supplemental notice of potential claim and provide a written response within 20 days of receipt. If the estimated cost or effect on the scheduled completion date changes, update information in items 3 and 4 above as soon as the change is recognized and submit this information to the Engineer.

Within 30 days of the completion of work related to the potential claim, submit the full and final documentation of potential claim to the Engineer that provides the following information:

- (1.) A detailed factual narration of events fully describing the nature and circumstances that caused the dispute, including, but not limited to, necessary dates, locations, and items of work affected by the dispute.
- (2.) The specific provisions of the contract that support the potential claim and a statement of the reasons these provisions support and provide a basis for entitlement of the potential claim.
- (3.) When additional monetary compensation is requested, the exact amount requested calculated in conformance with the Contract Documents including an itemized breakdown of individual costs. These costs shall be segregated into the following cost categories:
 - 3.1. Labor A listing of individuals, classifications, regular hours and overtime hours worked, dates worked, and other pertinent information related to the requested reimbursement of labor costs.
 - 3.2. Materials Invoices, purchase orders, location of materials either stored or incorporated into the work, dates materials were transported to the project or incorporated into the work, and other pertinent information related to the requested reimbursement of material costs.
 - 3.3. Equipment Listing of detailed description (make, model, and serial number), hours of use, dates of use, and equipment rates. Equipment rates shall be at the applicable State rental rate as listed in the Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates," in effect when the affected work related to the dispute was performed.
 - 3.4. Other categories as specified by the Contractor or the Engineer.
- (4.) When an adjustment of contract time is requested, include the following:
 - 4.1. The specific dates for which contract time is being requested.
 - 4.2. The specific reasons for entitlement to a contract time adjustment.
 - 4.3. The specific provisions of the contract that provide the basis for the requested contract time adjustment.
 - 4.4. A detailed time impact analysis of the project schedule. The time impact analysis shall show the effect of changes or disruptions on the scheduled completion date to demonstrate entitlement to a contract time adjustment.
- (5.) The identification and copies of documents and the substance of oral communications that support the potential claim.

The full and final documentation of the potential claim shall be submitted on Form CEM 6201C furnished by the Department and shall be certified with reference to the California False Claims Act, Government Code Sections 12650 12655.

Pertinent information, references, arguments, and data to support the potential claim shall be included in the full and final documentation of potential claim. Information submitted subsequent to the full and final documentation submittal will not be considered. Information required in the full and final documentation of potential claim, as listed in items 1 to 5 above, that is not applicable to the dispute may be exempted as determined by the Engineer. No full and final documentation of potential claim will be considered that does not have the same nature and circumstances, and basis of claim as those specified on the initial and supplemental notices of potential claim.

If you, in conjunction with or subsequent to the assertion of a potential claim, request inspection and copying of documents or records in the possession of the City that pertain to the potential claim, you must make your records of the project, as deemed by the City to be pertinent to the potential claim, available to the City for inspection and copying."

Unless otherwise specified, the Engineer will evaluate the information presented in the full and final documentation of potential claim and provide a written response within 30 days of receipt. The Engineer's receipt of the full and final documentation of potential claim shall be evidenced by postal receipt or the Engineer's written receipt if delivered by hand. If you submit full and final documentation of potential claim after acceptance of the work by the City, the Engineer need not provide a written response.

10-2 Dispute Resolution

All disputes and claims arising under or by virtue of this contract shall be directed to and be determined by the Public Works Director. The Director's determination can be appealed to City Manager or their designee. The determination by the City Manager or their designee of disputes and claims shall constitute the decision of the City of Goleta; provided, however, that Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3 of Division 2 of the Public Contract Code shall apply to the public works claim of \$375,000 or less.

10-3 Dispute Resolution - Claims exceeding \$375,000

Any claim, dispute, or other matter in question arising out of or related to the Contract or Project exceeding three-hundred seventy-five thousand dollars (\$375,000.00) that cannot be resolved between the City and the Contractor shall be resolved by the Santa Barbara County Superior Court.

10-4 Claims Procedures as a Prerequisite to Filing Suit

Contractor acknowledges and agrees that its failure to submit any notice of potential claim or claim arising under this Contract in accordance with Section10, shall constitute a waiver of Contractor's right to additional compensation and/or extension of time. Failure to follow the provisions set forth in this Contract shall constitute a waiver of Contractor's right to receive any additional time or money as a result of any event giving rise to a claim or request for change

order. Notwithstanding any other provisions in the Contract relating to any additional time or money which Contractor may be entitled to upon the occurrence of any directive or other event, or any other circumstance, Contractor must comply with the provisions of Section 10 to avoid a waiver of any such entitlement to any additional time or money. Contractor's failure, neglect, or refusal to comply with the requirements of Section 10, or any portion thereof, shall bar Contractor's request for additional compensation or adjustments to contract time. Such failure, neglect, or refusal prejudices the City's and the Engineer's ability to recognize and mitigate delay, and such failure, neglect, or refusal prevent the timely analysis of requests for adjustment of contract time, and whether such adjustments may be warranted. Contractor hereby waives all rights to additional compensation or adjustments of contract time due to delays or accelerations that result from or occur during periods of time for which Contractor fails, neglects, or refuses to fully comply with the requirements of Section 10.

Section 10-5 Government Code Claims.

Notwithstanding Contractor's participation in dispute resolution proceedings or other claims procedures under the Contract, such proceedings are in addition to Contractor's obligation to present a written Government Code claim in accordance with Section 900 et al of the California Government Code, which is a prerequisite to filing a lawsuit for money or damages against the City. Contractor further acknowledges that notwithstanding Contractor's compliance with the claims procedures set forth in Section 10or in the Contract Documents, such procedures are in addition to Contractor's obligation to comply with the claims procedures set forth in Government Code sections 900 et al prior to filing a lawsuit against the City for any such claim. Failure to submit a Government Code claim, or comply with the claims provision contained in Section 10 or in the City Special Provisions, shall bar Contractor from bringing and maintaining a valid lawsuit against the City.

Section 10-6 Participation in Dispute Resolution Proceedings.

Contractor and the City agree that all parties necessary to resolve a claim or dispute should be parties to the same dispute resolution proceeding. Contractor agrees upon request of the City to be joined in any mediation or arbitration when Contractor's presence is required if complete relief is to be accorded and to prevent the possibility of conflicting rulings on a common issue of law or fact and otherwise to prevent the risk of the parties being subjected to inconsistent obligations or decisions.

Section 10-7 Contractor's Continuing Obligations.

At all times during the processing of the Contractor's potential Claim, including, but not limited to, in response to a work directive issued by the Engineer, the Contractor shall diligently proceed with the performance of the Disputed Work and other Work, unless otherwise specified or directed by the Engineer.

The Contractor shall provide the Engineer the opportunity to examine the site of the Disputed Work as soon as reasonably possible, and in no event later than five (5) days from the date of the Initial Notice of Potential Claim. Throughout the processing of the Contractor's potential Claim, the Contractor shall provide the Engineer a reasonable opportunity to examine the site of the Disputed Work within five (5) days of the date of Engineer's written request therefor.

The Contractor shall promptly respond to any requests for further information or documentation regarding the Contractor's potential Claim.

Although not to be construed as proceeding with force account work, throughout the performance of the Disputed Work, the Contractor shall maintain daily records in accordance with the Contact Documents that provide a clear distinction between the incurred direct costs of Disputed Work and other Work. The Contractor shall allow the Engineer access to its project records deemed necessary by the Engineer to evaluate the potential Claim within fifteen (15) days of the date of the Engineer's written request.

All Subcontractor's and material supplier's claims of any type shall be brought only through Contractor pursuant to the provisions of this Section 10 and Contractor's prior good faith review pursuant to the Contract Documents. Under no circumstances shall any Subcontractor or material supplier make any direct claim against City.

Except where provided by law, or elsewhere in these Contract Documents, THE CITY SHALL NOT BE LIABLE FOR SPECIAL OR CONSEQUENTIAL DAMAGES AND THE CONTRACTOR SHALL NOT INCLUDE THEM IN ITS CLAIMS. Contractor shall be limited in its recovery on any Claim(s) to the adjustments allowed in the Contract Documents.

During each step in the processing of the Contractor's Claim, each notice shall be accompanied by the Contractor's written statement that the adjustment or relief claimed is the entire adjustment or relief to which the claimant believes it is entitled as a result of the event, issue, or circumstance giving rise to the Claim.

Under no circumstances may the Contractor submit an Initial Notice of Potential Claim, Supplemental Notice of Potential Claim, or Notice of Final Claim after the date of final payment.

Section 10-8 Notice of Third-Party Claims.

The City shall provide Contractor with prompt written notice of the receipt of any third-party claim relating to the Contract in accordance with Public Contract Code section 9201 by sending a copy of the third-party claim to Contractor at the address indicated in the Agreement via first class.



SECTION F CITY SPECIAL PROVISIONS 2020-2021 PAVEMENT REHABILITATION PROJECT

The Special Provisions contained herein have been prepared by or under the direction of the following registered engineers

Prepared by:

Joseph L. Ririe, PE Senior Principal Engineer

Pavement Engineering, Inc.

Date

Approved by:

Charles W. Ebeling, PE TE Director of Public Works, City of Goleta

Date

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SECTION 900 – GENERAL

900-1 General Description of the Work

- A. The work to be performed includes but is not limited to:
 - Furnishing all labor, materials, tools, and equipment necessary for placement of AC pavement materials such as ARHM pavement overlay, and AC mill and fill; pulverizing, treating, removal and disposal of the AC roadway section; replacement and compaction of subsurface material; setup and maintenance of traffic control systems; construction of PCC curb ramps & gutters, placement of crushed aggregate base and AC pavement; replacement of traffic striping and markings; and clean-up of project area; and other related work as necessary to provide a complete project; all in accordance with the Standard Specifications, General Provisions, plans, and these Special Provisions.
 - B. Existing improvements, visible at the Work or which can be reasonably ascertained by available information to exist, and which interfere with the completion of the Work but which no specific disposition is made on the Plans or Specifications, shall be addressed by the Contractor as follows:
 - 1. Existing improvements which interfere with the completion of the Work shall be removed and replaced, in kind. The exact location and alignment of the replacement shall be confirmed with the Engineer prior to removal and adjustments to the location to conform to the Work shall be made as necessary.
 - 2. The Engineer may determine that the existing improvements are to be removed and not replaced. Removed improvements shall be properly disposed of by the Contractor.
 - 3. The area where existing improvements were removed shall be restored to conform with the Work and match the surrounding area. Restoration shall conform to adjacent improvements.
 - 4. All costs for addressing proposed improvements in conjunction with existing improvements shall be included in the bid.

900-2 Standard Specifications and Details

- A. The work provided herein must conform to and be in accordance with the Contract Plans, General Provisions and Special Provisions, as well as the Standard Specifications for Public Works Construction ("SSPWC"), written and promulgated by the Public Works Standards, Inc.; herein referred to as the "Standard Specifications", the State of California Department of Transportation Standard Specifications; hereinafter referred to as the "State Standard Specifications", California Manual on Uniform Traffic Control Devices (CMUTCD), City of Goleta Standards, and County of Santa Barbara Standards.
- B. Whenever in the Contract Documents references are made to published specifications, codes, standards, or other requirements, it is understood that if a date is not specified, only the latest specifications, standards, or requirements of the respective issuing agency which have been published as of the date that the

Work is advertised for bids will apply; except to the extent that such standards or requirements may be in conflict with applicable laws, ordinances, or governing codes. No requirements set forth herein or shown on the drawings will be waived because of any provision of, or omission from, the standards or requirements.

900-3 Order of the Work

A. The Contractor must control operations such that the following conditions can be met:

GENERAL:

- 1. Contractor shall commence work per Construction Schedule and Commencement of Work. Contractor shall begin work promptly, as stated in General Provisions, and shall not suspend work or abandon site until job is complete.
- 2. All tree root removals and PCC repairs on any given street must be constructed and accepted by the Agency prior to full depth reclamation, or AC/ARHM resurfacing work.
- 3. Milled pavement surfaces shall be paved back with the asphalt concrete base or leveling course within 5 days after milling and base repairs (digouts) have been completed.
- 4. Coordinate, perform, and construct improvements per the Contract Documents. Contractor shall allow utility owners access to the work and shall schedule around interference by utility owners performing concurrent work.
- 5. Various items of concrete construction shall be installed or replaced shortly after demolition and removal has begun. In no case shall removal take place unless the Contractor can complete installation and replacement within the following time periods:
 - a. Sidewalk and access ramps shall be replaced no later than the third (3rd) working day after demolition or removal.
 - b. Backfill and paving conform work shall be installed no later than the fifth (5th) calendar day following concrete placement.
 - c. Sidewalks on both sides of a street shall not be closed or removed simultaneously.

Failure to complete such work within the time period and/or conditions stated shall be reasonable basis for the Engineer to stop all other items of construction until such work is completed.

6. Contractor shall coordinate with adjacent property owners/tenants in order to schedule demolition/construction activities in order to minimize impacts to residents and/or business operations.

900-4 Requirements of the Work

- A. All work must be coordinated with the Traffic Control Plan, Project Schedule, Contract Period, Submittals and other requirements of these Contract Documents.
- B. The Contractor must maintain a minimum of one lane, not less than twelve (12) feet wide, in each direction of travel at all times.
- C. All movements at intersections must be maintained.
- D. No lanes may be closed prior to 8:00 a.m. and all lanes must be opened by 4:00 p.m.
- E. To allow for adequate intersection inspection of the work by the City and minimize impacts on surrounding neighborhoods the following contract items shall have the hours of work restricted as follows:

<u>Various items of concrete construction:</u> No concrete shall be delivered prior to 8:00 a.m. and all concrete shall be placed prior to 3:00 p.m.

<u>Early morning activities</u>: No heavy construction activities or motorized or electric equipment will be used prior to 8:00 a.m.

<u>Certain streets near schools require work hour restrictions:</u> The streets shown in the appendices "School Zone Work Hour Restriction Map" and their associated schools are listed below. Contractor shall coordinate work in school zones by notifying schools and Engineer two weeks in advance of construction and not performing work during the restricted hours. Contractor shall not perform any work on the streets identified in the "School Zone Work Hour Restriction Map" before 8:30 a.m. and from 2:30 p.m. to 3:30 p.m.

The Contractor may request exceptions by submitting a traffic control plan to the Engineer for approval that shows that school pedestrians, bicycles, and vehicular traffic will not be adversely affected by the work. Requested exception does not guarantee excepted work will be allowed.

Elementary Schools:

- Brandon School 195 Brandon Drive; (805) 571-3770
- Ellwood 7686 Hollister Avenue; (805) 571-3774
- Kellogg 475 North Cambridge Drive; (805) 681-1277
- La Patera 555 North La Patera Lane; (805) 681-1280

Middle School:

• Goleta Valley – 6100 Stow Canyon Road; (805) 967-3486

High School:

• Dos Pueblos – 7266 Alameda Avenue; (805) 968-2541

- F. A maximum noise level limit of eighty-six (86) decibels at a distance of fifty (50) feet will apply to all construction equipment on or related to the project whether owned by the Contractor or not. The use of excessively loud warning signals must be avoided except in those cases required for protection of personnel. The use of generators or other mechanical devices between the hours of 4:30 p.m. and 8:30 a.m. is not permitted unless approved by the Engineer.
- G. The City reserves the right to direct the order of work in the interest of public safety and convenience. The Engineer will endeavor to give the Contractor 72 hours-notice of any such directed order of work.
- H. Coordinate, perform, and construct roadway work such that the restoration work on a street is completed prior to the weekend and/or holiday so the street and pedestrian walkways are fully restored and available for public use.
- I. No work may be performed on Saturday, Sunday, or holidays unless approved in advance by the Engineer. Holidays are anticipated as follows:

<u>Holiday:</u>	Date:
New Year's Day	(January 1)
Martin Luther King Day	(3rd Monday in January)
Presidents Day	(3rd Monday in February)
Memorial Day	(last Monday in May)
Independence Day	(July 4th)
Labor Day	(1st Monday in September)
Veterans Day	(November 11th)
Thanksgiving Day	(4th Thursday in November)
Day after Thanksgiving	(4th Friday in November)
Christmas Eve	(December 24th)
Christmas Day	(December 25th)
New Year's Eve	(December 31 st)

Note: If a holiday falls on a weekend, a Saturday holiday will be observed on Friday and a Sunday holiday will be on a Monday. If part or all of a 2-day holiday falls on a weekend, the City will determine which 2 weekdays will be holidays.

No work will be allowed to be performed or be underway on the parade route or parade staging areas of the Goleta Christmas Parade, on the day of the parade. Contractor shall clean-up work site, restore all surfaces and make full width of the roadway and right of way safe and available for traffic and pedestrians.

The holiday and event dates listed above are approximate dates and will vary depending on the year construction occurs. The Contractor is required to obtain and account for the City's observed holiday dates and special event dates that will impact the project during the course of the Contract.

- J. Contractor must reimburse City for costs for overtime inspection associated with project work hours. Costs will include hours in excess of 8-hours per workday shift, hours in excess of 40-hours per work week, and weekend and holiday work when specifically authorized.
- K. Access to businesses shall be maintained at all times. Contractor shall coordinate with owners prior to street work.
- L. The Contractor must diligently prosecute the contract work within the allowed number of working days specified in the Contract Documents. The days to finish the punch list, provided by the City, shall be included in the working days.

900-5 Work Hours

- A. Work shall be prosecuted during the following time period unless otherwise noted:
 - Normal daily work hours are from 7:30 a.m. to 4:30 p.m.

900-6 Public Notification

- A. At least ten (10) calendar days prior to beginning work, the Contractor must distribute notices to all residences, owners, businesses, and schools adjacent to or affected by the proposed work. In addition, the Contractor must notify property owners and adjacent neighborhoods in writing as directed by the City, 72 hours in advance of area specific work. Such notices must at minimum give the start date of the work, daily schedule for the proposed work, typical parking restriction for the work, the times of any restricted driveway access, impacts to residences and businesses, the Contractor's representative name and phone number, the City representative name and phone number, along with any other information requested by the Engineer.
- B. Such notices must be prepared and printed by the Contractor, reviewed & approved by the Engineer, and must be served by the Contractor's representative in person to each residence and business. Failure of the Contractor to properly serve such notices will be cause for suspension of work until compliance with this requirement is achieved. No extension of time will be allowed to the Contractor for lost time due to his failure to distribute such notices in a timely manner or from suspension of work due to non-compliance. Contractor must document delivery of notices by providing an e-mailed list of locations where notices were delivered including the date and time of completion, by the end of the day of delivery. Contractor must also e-mail a minimum of five clear photos (2-megapixel) showing completion of the delivery and parking restriction signs for each street notified. Contractor must send e-mail to an e-mail address as directed by Engineer.
- C. The Contractor is responsible for and must deliver public notification for all phases of the work. The Contractor must submit for approval all notices for content and delivery schedule two weeks prior to actual delivery.
- D. Full compensation for conforming to the requirements of this section will be

considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed.

900-7 Permits

- A. Before beginning work, Contractor must confirm with agencies having jurisdiction that Contractor has obtained all necessary permits and licenses and given all notices.
- B. Contractor must apply for, procure, and pay all charges and fees for all other necessary permits and licenses required to perform the work. Contractor is responsible for obtaining all necessary permits (not provided by City), reviewing the conditions and requirements contained therein, and including the cost of meeting these conditions and requirements in this bid. The original permits must be submitted to City and Contractor must maintain a copy of these permits at the job site at all times. All provisions of all project permits (including those provided by City and obtained by Contractor) will apply as though stated in these Specifications. Contractor must follow the more restrictive of the conditions, as determined by the Engineer, if there is a conflict. Any costs incurred due to compliance with these permits must be included in the contract costs. No additional payment will be made for such permits.
- C. Any work in or affecting Caltrans right-of-way will require a Caltrans double permit. Contractor must apply for and pay for this double permit when necessary.
- D. Full compensation for conforming to the requirements of this section will be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed.

900-8 Fees and Fines

- A. If the City receives a fine or penalty due to the Contractor's actions or inactions, Contractor will be responsible to pay such cost. City may deduct such amount from amounts due, or to become due the Contractor.
- B. Prosecution of Work
- 1. Description of work parts subject to specific Liquidated Damages:

The work part failures, time frame requirements, and liquidated damages are as follows:

Work Part	Time Frame	Liquidated Damage
Failure to open lanes by 4:30 p.m. and as called for	For each hour	\$200 per lane
in the Summary of Quantities for all phases of work.	or part thereof	
Failure to perform work on a scheduled and noticed	Per	\$300 per street
street	occurrence	
Failure to post and notify businesses and residents	Per	\$300 per street
---	-----------------	------------------
a minimum of 72 hours in advance of scheduled	occurrence	
work		
Failure to place "No Parking" signs at specified	Per	\$300 per street
intervals	occurrence	
Failure to place temporary striping/first coat of paint	For each day	\$300 per street
for cross walks, stop bars and legends prior to	or part thereof	
opening a street to traffic		
Failure to place third and final coat of paint for	For each day	\$300 per street
traffic striping and markings within three weeks of	or part thereof	
placement of the AC surface course.	-	
Failure to complete punch list items of work within	For each day	\$300 per street
five working days of punch list receipt	or part thereof	
Failure to provide flagmen, construction signage	For each	\$500 per day
and traffic control in conformance with the most	occurrence	
current California MUTCD.		
Failure to provide a non-working Foreman for all	For each day	\$1,000 per day
phases of work	or part thereof	
Failure to have traffic control in-place prior to	For each day	\$1,000 per
commencement of any phase of work	or part thereof	street
Failure to clean worksite of all construction	For each day	\$200 per street
materials and debris at the end of each work day.	or part thereof	
Failure to sweep street at Engineer's request	For each day	\$200 per street
	or part thereof	-
Failure to complete the project within Contract	Notice To	\$1,000 per
Period	Proceed	each
		consecutive
		calendar day in
		excess of the
		Contract
		Period

900-9 Review of Contract Documents and Job Site

- A. The Contractor must carefully study and compare each element of the Contract Documents with each other and with information available to the Contractor as furnished by the City. The Contractor will assume all responsibility for deductions and conclusions as to the difficulties in performing the work.
- B. The Plans show conditions as they are supposed, or believed by the City to exist. The City does not warrant the completeness or accuracy of such information. It is the Contractor's responsibility to ascertain the existence of all conditions affecting the cost of work. The Contractor must immediately notify the Engineer of errors, inconsistencies or omissions discovered. If the Contractor performs any construction activity knowing it involves a recognized error, inconsistency or omission in the Contract Documents without such notice to the Engineer, the

Contractor will assume appropriate responsibility for such performance and will assume responsibility for the cost of correction.

900-10 Right-of-Way

- A. Right of Way, easements or right-of-entry for the Work are included in the appendix, if applicable.
- B. The Contractor will not be entitled to the exclusive use of any public street or rights-of-way during the performance of the work under the contract, and the Contractor must conduct operations so as not to interfere unnecessarily with business, traffic, pedestrians, and the authorized work of utility companies or other agencies in the street or rights-of-way. Neither the Specifications nor the Plans may be construed to entitle the Contractor to conduct operations within the rights-of-way which are in violation of any local, county, or state ordinance or regulation restricting interference with water courses and drainage channels. The Contractor must take adequate precaution against obstructing storm water flow within the project limits. The Contractor may not deposit excavated materials, store equipment or construction materials within the street.

900-11 Preserving Survey Monumentation

Monument preservation tasks shall comply with Sections 8771 and 8772 of the Land Surveyor's Act effective January 1, 2012. Under Section 8771 monument preservation tasks are required at two stages of the improvement project; pre-construction and post-construction. A Monument Perpetuation Report has been prepared and will be provided by the City.

A. Pre-Construction

All monuments within the work area outlined on the project drawings that control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide horizontal or vertical survey control shall be referenced and documented in the following manner

- 1. Monuments found during the field inspection shall be located and referenced, at least one week prior to start of construction, by or under the direction of a licensed land surveyor or registered civil engineer legally authorized to practice land surveying. A minimum of 4 reference points per survey monument shall be set. Reference points shall be in compliance with Sections 8771 (a) and 8772 of the Land Surveyor's Act in terms of durability, location, and identification of the Licensed Land Surveyor, Registered Civil Engineer or public agency. Upon completion and no later than one week prior to construction, the project surveyor shall provide written notice to the City Surveyor stating the monuments have been located and referenced. An example can be provided by the City upon request.
- 2. A Corner Record or Record of Survey of the monuments and reference points shall be prepared and submitted to the City Surveyor for preliminary review. The Corner Record or Record of Survey shall incorporate the City Surveyor's revisions, if any, and be filed with the County Surveyor. The project surveyor

shall provide proof of submittal to the County via transmittal or similar documentation. An example can be provided by the City upon request.

B. Post-Construction

- 1. A field inspection shall be conducted to identify all monuments (including reference points set in the pre-construction phase) destroyed or disturbed by the improvement project. Monuments and reference points identified as destroyed/disturbed shall be reset in the surface of the new construction and affected monument wells be reconstructed in a manner approved by the City Surveyor. Reference points shall be in compliance with Sections 8771 (a) and 8772 of the Land Surveyor's Act in terms of durability, location, and identification of the Licensed Land Surveyor, Registered Civil Engineer or public agency.
- 2. A Corner Record or Record of Survey of the monuments and reference points shall be prepared and submitted to the City Surveyor for preliminary review. The Corner Record or Record of Survey shall incorporate the City Surveyor's revisions, if any, and be filed with the County Surveyor. Prior to the recording of the Certificate of Completion for the project, the project surveyor shall provide proof of submittal to the County via transmittal or similar documentation.

Payment

The cost of surveying, staking, and layout is to be included in the various items of work and no additional payment will be allowed. Payment for these items does not include the cost of adjusting survey monument boxes, covered under another section.

Monument Perpetuation shall be paid for as each and shall include all work to locate, record, reset, and file survey monuments. Work will include all incidentals and no additional payment will be allowed.

900-12 Protection and Restoration of Existing Improvements

- A. Attention is directed to Section 3-12 "Work Site Maintenance," Section 4-2 "Protection," and Section 400 "Protection and Restoration of Existing Improvements" of the Standard Specifications and these Special Provisions.
- B. Contractor agrees to assume sole and complete responsibility for protection of public and private property in the vicinity of the job site and further agrees to, at Contractor's expense, repair or replace to original condition all existing improvements within or in the vicinity of the job site which are not designated for removal and which are damaged or removed as a result of Contractor's operations.
- C. Repair or replacement must be completed within three (3) working days from the date the damage occurred, unless immediate repair or replacement is determined to be necessary by the Engineer. If the Contractor fails to restore existing

improvements in a timely manner, within the timeframe specified, the City may complete the work and costs will be deducted from payments due the Contractor.

D. Contractor must coordinate operations such that damage to newly constructed improvements is avoided. In the event newly constructed improvements, shown on the Contract Documents, interfere with other project work or is necessary for safety or access and must be removed and replaced, the City will only pay for the improvements to be constructed one time. Multiple replacements or work necessary for the convenience of the Contractor will be considered performed at the Contractor's expense.

900-13 Utility Requirements and Potholing

General

- A. Attention is directed to Section 402 "Utilities" of the Standard Specifications, the contract Plans, and these Special Provisions. The Contractor must verify the location, size, and type of all existing utilities prior to construction. Utilities include, but are not limited to; telephone, electricity, gas, fiber-optic cable, cable television lines, traffic signal systems, communication systems, petroleum lines, water, irrigation systems, storm drains and sanitary sewer.
- B. When the Plans or Specifications provide for the Contractor to alter, relocate, or reconstruct a utility, all costs for such work must be included in the Bid for the items of work necessitating such work. Temporary or permanent relocation or alterations of utilities requested by the Contractor for its convenience are the Contractor's responsibility and the Contractor must make all arrangements and bear all costs.
- C. The Contractor must obtain all necessary permits and notify the utility agencies at least 48 hours in advance of excavating around any of their facilities. It is the responsibility of the Contractor to coordinate all phases of construction with the various utility companies involved.
- D. The Contractor must notify Underground Service Alert at 811 at least 48 hours prior to any excavation or construction work. Paint indications for underground utilities must be limited to only those areas to be affected. The Contractor must document USA markings with photographs or video and must provide a copy of the photographs and video to the Engineer. The Contractor must remove any painting marks that remain after the construction is complete as follows:

When placing markings on the pavement or other right-of-way areas to indicate the location of underground facilities, Contractors and/or utility companies are required to use a temporary water based marking chalk with a visibility life not to exceed three (3) weeks. Contractor must arrange for markings to be removed as needed. In the event that a Contractor or utility company uses a non-approved marking material, it will be the responsibility of the Contractor to ensure the complete removal of all pavement markings remaining upon completion of the permitted work. If the Contractor fails to properly and completely remove all pavement markings, the City may affect the removal and deduct from payments due or become due the Contractor for both direct and indirect costs as determined by the Engineer.

Utility Verification

- A. The location and existence of utilities shown on the plans are approximate and taken from available records. The Contractor must verify the location of existing utilities, by potholing or other suitable methods, and must take all precautions to protect them whether shown or not. The exact location and identification of all existing utilities must be determined by the Contractor prior to the start of any work.
- B. The Contractor must physically locate, verifying horizontal and vertical locations, and map existing underground facilities within the work area that are marked by Underground Service Alert (USA), shown on the drawings or visible in the field. Contractor must protect all such facilities from damage due to construction activities for the duration of the project. In the event any such unknown facilities or substructures should be disturbed or damaged due to the failure of the Contractor's exercising reasonable care, the Contractor must at once make necessary emergency repair at no cost to and to the approval of the owner. In the event the utility owner requires its own forces or approved vendors to perform such repairs, Contractor must coordinate and cooperate with the utility to complete the repairs. All costs for repairs, staff time, direct and indirect costs, and any costs billed by the utility must be borne by the Contractor. Contractor is responsible for following all applicable rules and regulations concerning work in the vicinity of underground and/or overhead utilities.
- C. All utilities designated on the Plans to be protected in place must be carefully uncovered if located within the lines of excavation and time must be allowed for the Engineer to field check the location of such utilities to make certain that they will not interfere with construction. In the event a utility conflict exists, the City will either arrange for utility owner to relocate the utility or adjust grade and/or alignment of the proposed improvement. Contractor must allow sufficient time for this utility work and must adjust Contractor's operation to move to other areas to allow the utility relocation work to occur.
- D. In the event any such facility should be disturbed or damaged, the Contractor must at once make repairs to the satisfaction of the owner, or arrange with the owner to make repairs, at no cost to the City. Any delays or reconstruction of improvements resulting from the Contractor's failure to verify utility locations and depths will be made at the Contractor's expense.

Payment

The cost for coordination with the utility companies, providing work areas for utilities, locating facilities including potholing, protecting utility facilities in place, and

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

900-14 Subsurface Conditions

- A. Where investigations of subsurface conditions have been made by the City with respect to subsurface conditions, utilities, foundation, or other structural designs, and that information is shown in the Plans, it represents only a statement by the City as to the character of materials which have actually been encountered by the City's investigation. This information is only included for the convenience of Bidders.
- B. Investigations of subsurface conditions are made for the purpose of design only. The City assumes no responsibility with respect to the sufficiency or accuracy of borings or of the log of test borings or other preliminary investigations or of the interpretation thereof. There is no guaranty, either expressed or implied, that the conditions indicated are representative of those existing throughout the Work, or any part of it, or that unanticipated conditions may not occur. When a log of test borings is included in the Plans, it is expressly understood and agreed that such log of test borings does not constitute a part of the Contract. The log of test borings represents only an opinion of the City as to the character of the Bidders. Making information available to Bidders is not to be construed in any way as a waiver of the provisions of the first paragraph of this Section, and Bidders must satisfy themselves through their own investigations as to conditions to be encountered.

900-15 Pre-Construction Job Site Video

A. A minimum of one week prior to start of construction, the Contractor must video all areas where construction is to take place. Such videos (DVD or other approved media) must be provided to the Engineer before construction commences. These videos will serve as a record of the existing conditions for disputes arising from restoration, and should therefore be taken along the line of construction and site access and staging areas at sufficient detail as necessary to clearly depict details of existing conditions. Video must document existing conditions, roadway, striping and all painted curb markings in the project area. All videos must be indexed and catalogued in such a manner that each photographed area is readily identifiable, and must also indicate the date and time (hour, minutes and seconds) on which the video was made. The Contractor must also video any unusual conditions encountered during construction that are not already a matter of photographic record. In the event damage to existing improvements occurs, the video will be available as a resource to determine existing conditions. In any areas where existing conditions cannot be determined by means of videos, the area must be restored as approved by the Engineer at Contractor's expense. All videos will become the property of the City.

900-16 Pre-Construction Conference

- A. A pre-construction meeting will be conducted prior to commencement of construction at a time and place designated by the Engineer. Those attending the meeting must include, but not be limited to, the following:
 - 1. The Contractor and superintendent who will be supervising the work for the duration of the project.
 - 2. The Sanitary and Water Districts, if applicable.
 - 3. The Design Engineer
 - 4. The Construction Engineer
 - 5. Representatives of affected Utility Companies
- B. Pre-construction conference will not be scheduled until the following has been submitted:
 - 1. Construction Schedule
 - 2. Traffic Control Plan
 - 3. Water Pollution Control Plan (WPCP).

900-17 Weekly Project Schedule and Meetings

- A. By Tuesday of each week, the Contractor must prepare and submit a detailed schedule of the work projected for the next two weeks on a daily basis. The Contractor must make revisions as required by the Engineer.
- B. The Engineer will conduct a Weekly Project Status Meeting that must be attended by the Contractor, subcontractors, utility companies (as required) and the Engineer. The meeting will have duration of approximately one hour. The meeting will be held on the day, time and location as determined by Engineer. The purpose of this meeting will be to discuss interfacing work, scheduling, problems, issues, and the like. If not previously submitted, the Contractor must submit the following to the Engineer at the beginning of the meeting:
 - 1. Daily manpower and equipment utilization for the preceding week
 - 2. Projected work for the next two weeks on a daily basis.

The Contractor must attend all miscellaneous meetings as requested by the Engineer.

900-18 Project Schedule

- A. Attention is directed to Section 6-1.1 "Construction Schedule" of the Standard Specifications and these Special Provisions.
- B. The Contractor must update the Construction Schedule as specified in the Standard Specifications, the General Conditions/Specifications, or when directed by the Engineer. Preparation and updating of the Construction Schedule must be performed at Contractor's sole expense.

- C. Failure by the Contractor to submit updated or revised Construction Schedules when required may prevent acceptance of progress payment requests by the Engineer until such updated or revised Construction Schedules have been submitted for review and have been accepted by the Engineer.
- D. The Construction Schedule must include obtaining all necessary materials and equipment, and must reflect completing all work within the specified time, in accordance with these Specifications. Contractor must show completion of the project completely filling the Contract time, and may not show early completion. In the event, the Contractor requests early completion, Contractor must execute a no-cost Contract Change Order that reduces the number of Working Days allowed for completion to conform with such intended completion date.
- E. Contractor must include in the schedule, detailed information for each operation. When the project includes multiple streets or sites, Contractor must include detailed information for each street or site. When notifications or parking restrictions are required such dates must be included in the schedule.
- F. Contractor must provide critical path schedules in legible hardcopy format and must also submit schedules with each update in electronic format compatible with MS Project or Primavera, as directed by the Engineer.

Payment

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

900-19 Coordination with Concurrent Projects

- A. Several projects may be ongoing within the limits of the work during the Contract period. The Contractor is required to coordinate the work with other contractors such that both projects can be diligently pursued to their timely completion. Interfacing work must be shown on the project schedule, and the Contractor will be responsible for meeting that schedule. Contractor must include time for others to perform work within the Work Area and this must be reflected in the Project Schedule. Delays due to interfacing with concurrent projects are considered avoidable and no compensation will be made for such delays. Contractor is responsible for obtaining contract documents including plans and specifications and thoroughly understanding the requirements of Work called for in the contract documents for concurrent projects. Contractor must include in the bid all costs for coordination, scheduling, meetings, staging and the like that result from interfacing with concurrent work.
- B. Concurrent projects include but are not limited to the following:

- Rectangular Rapid Flashing Beacon (RRFB) Improvements on Cathedral Oaks Road at Brandon, Evergreen, and Carlo Drive Intersections (Project No. 9088)
- 2. Citywide LED Street Lighting Project (Project No. 9056)
- 3. Hollister Avenue Old Town Interim Striping (Project No. 9114)
- 4. Various Encroachment Permit Projects

900-20 Submittals

In addition to the required submittals and shop drawings of the Standard Specifications, the Contractor must submit the following shop drawings and/or submittals in adequate detail, including a list of all deviations from the Contract Documents for each item submitted. The Contractor must submit two (2) hard copies and an electronic pdf copy of the following items marked (*) to the Engineer for review at least five (5) working days prior to the Pre-construction Meeting. All other submittals must be submitted in accordance with the submittal procedures listed below. The Engineer will determine if the specifications are being met for all work including but not limited to the following:

General Requirements

- Key Personnel, Telephone Numbers, and Emergency Telephone Numbers
- Project Schedule
- Traffic Control Plans
- Water Pollution Control Plan
- Public Notices

Site Work

- Portland Cement Concrete Mixes
- Quicklime/Cement Mixes
- Asphalt Concrete Mixes
- Aggregate Base
- Shoulder Backing
- Traffic Loops
- Detectible Warning Surfaces
- Traffic Stripe, Markers, and Marking Paint

Contractor must provide all submittals required by Special Provision sections.

900-21 Submittal Procedures

A. Wherever called for in the Contract Documents or where required by the Engineer, the Contractor must furnish to the Engineer for review two (2) hard copies and an electronic (pdf) copy of each submittal.

- B. Each submittal item must be individually numbered and must identify the specification section that relates to item being submitted so that approved and rejected submittals can be tracked.
- C. At the time of each submission, give Engineer specific written notice of each variation that the submittal may have from the requirements of the Contract Documents. If a variation is identified that was not brought to the attention of the Engineer, correction will be at the Contractor's expense.
- D. The Engineer will have a minimum of ten (10) working days to review each submittal except were specified differently in these special provisions. It is the responsibility of the Contractor to organize submittals in order of importance and need.
- E. Submittals must be clearly identified and where multiple items are shown on a shop drawing, items being identified as submittals must be marked. Extraneous information should not be included in submittals. Only one submittal will be reviewed for an item and Contractor may not submit multiple shop drawings from multiple vendors for the same item.
- F. Engineer's review will be only for conformance with the design concept of the project and for compliance with the information given in the Contract Documents, not extending to means, methods, techniques, sequences, or procedures of construction (except where indicated or required by the Contract Documents) nor to safety precautions or programs incident thereto. Submittals processed by Engineer do not become Contract Documents and are not Change Orders.
- G. Delays caused by the need for re-submittal or replace unaccepted "or equal" items will not constitute a basis for claim.
- H. In the event that an item is called for by a specific product or trade name, Contractor will have 35 days after the award of the Contract for submission of data substantiating a request for a substitution of "an equal" item. In the event Contractor furnishes any "or equal" material more expensive than that specified in the bid form, the difference in cost of such material so furnished will be borne by Contractor under Public Contract Code section 3400.

"Or equal" products may be accepted by the Engineer upon submittal of the following information:

- 1. Product Date Design Criteria
- 2. Physical Properties Limitations of Process
- 3. Material Specifications List of Previous Projects
- 4. Installation Specifications Size of Completed Projects
- 5. Testing Methods List of Current Projects
- 6. Third Party Test Data
- 7. Size of Current Projects
- 8. References (All references must include current names and telephone numbers).

- 9. List of all deviations from the specifications or referenced product or materials.
- 10. Additional testing may be required, and all costs for testing will be borne by Contractor.
- I. City reserves the right to modify the procedures and requirements for submittals, as necessary to accomplish the specific purpose of each submittal. Direct inquiries regarding the procedure, purpose, or extent of any submittal to the Engineer.
- J. Repetitive Review
 - Shop drawings and other submittals will be reviewed no more than twice at the City's expense. All subsequent reviews will be performed at times convenient to the Engineer and at the Contractor's expense, including but not limited to consultant costs, staff charges, overhead, and other related expenses. Contractor shall reimburse the City for such costs, and City may deduct these costs from amounts due or to become due the Contractor. Submittals are required until approved.
 - 2. Any need for more than one resubmission, or any other delay in obtaining Engineer's review of submittals, will not entitle Contractor to extension of the Contract Time.

900-22 Lump Sum Bid Items

A. The Contractor must submit a detailed schedule of values breakdown for all lump sum bid items. The breakdown of items must be submitted to the Engineer for approval and the level of detail will be as determined appropriate by the Engineer. The schedule of values must be submitted to the Engineer prior to the first progress payment request and the progress payment will not be reviewed without approved schedule of values for all Lump Sum bid items. The schedule of values will be used as a basis for determining appropriate monthly progress payment amounts for lump sum bid items. The schedule of values must equal, in total, the lump sum bid item cost and be in such form and sufficiently detailed to satisfy the Engineer that it correctly represents a reasonable apportionment of the lump sum.

900-23 Daily Report

- A. The Contractor must complete a Daily Report indicating manpower, major equipment used and on standby (itemized separately), subcontractors, materials used and similar items involved in the performance of the Work. The Daily Report must be completed on forms prepared by the Contractor and acceptable to the Engineer, and must be submitted to the Engineer prior to construction on the subsequent workday.
- B. Contractor must supply daily reports to the inspector at the start of work on a daily basis. If the Contractor fails to provide daily reports for 2 or more working days during the scheduled work week, then a Stop Work Notice will be issued and progress payments will not be processed until all paperwork is current. Contract period will continue to be in force while the Stop Work Notice is in effect.

900-24 Testing and Inspection

- A. Attention is directed to Section 3-5 "Inspection" and 4-4 "Testing" of the Standard Specifications., and these Special Provisions.
- B. It is the responsibility of the Contractor to facilitate sampling to be used for testing purposes. Costs for failed tests and retesting necessary because of the Contractor's failure to comply with specification requirements will be borne by the Contractor.

900-25 Non-Working Foreman

A. The Contractor must provide a non-working foreman for all phases of work for the duration of the Project. The non-working foreman must be available to the Engineer at all times. Failure to supply a non-working foreman at any time during the Contract Period during work hours can result in an immediate Stop Work Notice until the Contractor provides or replaces the non-working foreman. The Contract Period will remain in force and continue. Any costs incurred by the City in dealing with issues resulting from work performed by the Contractor when a non-working foreman was not available will be deducted from payments due to Contractor. The City reserves the right to have the Contractor remove and replace non-complying work at no additional cost to the City.

900-26 Responsibility for Job Site Conditions

- A. Contractor agrees that, in accordance with generally accepted construction practices, Contractor will be required to assume sole and complete responsibility for job site conditions during the course of construction of this Project including safety of all persons and property, and that this requirement will apply continuously and will not be limited to normal working hours. Contractor further agrees to defend, indemnify and hold the City and the City's design and construction observation professionals harmless from all liability and claims, real or alleged, in connection with the performance of work on this Project.
- B. The Contractor must make field measurements and verify field conditions and must carefully compare such field measurements and conditions and other information known to the Contractor with the Contract Documents before commencing activities. Errors, inconsistencies or omissions discovered must be reported to the Engineer immediately by telephone and in writing. When conditions are encountered which, in the opinion of the Engineer, require temporary suspension of work for design modifications or for other determinations to be made, the Contractor must move to other areas of work until such determinations are made at no cost to the Owner. No additional compensation will be allowed by reason of such temporary suspension of time for completion may be allowed where justified in the opinion of the Engineer. If articles having archeological significance are identified, the Contractor must suspend work to allow evaluation by the Engineer.

C. Provide and install non-skid steel plates at open trench excavations at the end of work day. Plates on arterial streets must be flush with adjacent pavement surface and secured as directed by Engineer in accordance with CALTRANS TR-0157 Method 1. Plates on other streets may be placed on pavement with temporary transitions as directed by Engineer in accordance with Caltrans TR-0157 Method 2. See Appendix A for Caltrans TR-0157.

900-27 General Safety Requirements

- A. Contractor must do whatever work is necessary for safety and be solely and completely responsible for conditions of the job site, including safety of all persons (including employees) and property during the Contract period. Safety provisions must conform to Federal and State Departments of Labor Occupational Safety and Health Act (OSHA), and other applicable Federal, State, County and local laws, ordinances, codes, requirements set forth herein, and regulations that may be specified in other parts of these Contract Documents. Contractor must do all work necessary to protect the general public from hazards, including, but not limited to, surface irregularities or un-ramped grade changes in vehicular travel ways (including but not limited to streets, roads and driveways), pedestrian sidewalks or walkways. Barricades, lanterns, and proper signs must be furnished in sufficient amount to safeguard the public and the work. This requirement applies continuously and is not limited to normal working hours.
- B. Contractor must develop and maintain for the duration of the Contract, a safety program that will effectively incorporate and implement required safety provisions. The Contractor must appoint a qualified employee who is authorized to supervise and enforce compliance with the safety program.

900-28 Recoverable Materials

A. The City and/or the adjacent property owner owns all recoverable materials from the work. The City reserves the first right of refusal for recoverable materials with the existing public right-of-way. Likewise, the property owners reserves the first right of refusal for recoverable materials on their property. If the City/property owner refuses the recoverable materials, the Contractor must dispose of all recoverable materials in a proper and legal manner. The Contractor must include in the bid all costs for disposal. If the City decides to keep the material, the Contractor must deliver the material to a location determined by the Engineer within the City limits. Materials removed from the site without the expressed permission of the City will be back charged to the Contractor and deducted from funds due or to become due the Contractor. The City reserves the right to modify its decision regarding refusal up to the point in time the materials are removed from the site.

900-29 Project Appearance and Cleanup

A. The Contractor must keep the site clean, control dust from construction operations, provide sanitation for workers, and control air pollution from

construction operations. Broken concrete and debris developed during demolition, clearing and grubbing must be disposed of concurrently with its removal.

- B. Weeds, trash and debris must be removed from the work site regularly and when directed by the Engineer. Graffiti must be removed within 24-hours of the graffiti appearing and when directed by the Engineer. All graffiti within the project limits must be removed. Contractor must submit method of removal to the Engineer for approval prior to graffiti abatement. Stickers, paint, and other forms of graffiti must also be removed.
- C. Upon completion of the Work and before the final inspection, the Contractor must at the Contractor's own cost satisfactorily dispose of, or cause to be disposed of, all plant, buildings rubbish, waste products, debris, unused materials, concrete forms, and other equipment used during the construction of the improvements. In the event that the Contractor fails to perform this final cleanup, the City may remove and/or dispose of the articles or materials at the Contractor's expense.

900-30 Differing Conditions

A. Contractor may not willfully install work as shown on the drawings when it is obvious in the field that obstructions, grade differences or differences in the area dimensions exist that might not have been considered or observed during design. Contractor must promptly notify the Engineer and the agency having jurisdiction by telephone and in writing upon discovery of, and before disturbing, any physical conditions differing from those represented by approved plans and specifications. In the event this notification is not performed, the Contractor must assume full responsibility for necessary revisions.

900-31 Final Inspection and Punchlist

- A. Attention is directed to Section 6-8,1 "Acceptance" of the City General Provisions and these Special Provisions.
- B. When the work has been completed, the Engineer will make the final inspection and final project walk-through with the Contractor. The Engineer will create a punch list of deficient items that need to be corrected by the Contractor. The Engineer reserves the right to add items to the project's punch list as deemed necessary. All punch list items must be completed within 5 working days of notice to Contractor. Punch list items must be accounted for in the project construction schedule within the project working days. The Contractor will not be granted additional working days for the completion of the punch list items.

900-32 Construction As-Built Drawings

A. The Contractor must maintain a complete and accurate record of all changes of construction from that shown in these plans and specifications for providing a basis for construction as built drawings. These drawings must be maintained on-site during the course of construction and updated monthly, at minimum.

- B. The Contractor must use a job set of contract drawings, clearly labeled "Construction As-Built Drawings," to record all changes in construction. Completely, accurately, and legibly mark the job set of as-built drawings in red ink to record actual construction. Use additional copies of prints, if necessary, to ensure legible recording of data and date all entries. Call attention to the entry by drawing a "cloud" around the area affected. In case of overlapping changes, use different colors for each change. Maintain consistent color coding throughout the drawings.
- C. The Contractor must submit a copy (11x17 or full size) of the updated construction as built drawings in progress with each progress payment to document the status of the drawings. Progress payments may not be processed until acceptable drawings are submitted. The Contractor must submit a complete set of original construction as built drawings to the Engineer 10 days after final inspection along with a letter declaring that other than these noted changes on the as built drawings, "the Project was constructed in conformance with the Contract Documents." The Contractor must provide this set of as built drawing and letter prior to processing of the final pay estimate.

Payment

Full compensation for recording construction changes and furnishing the Construction As-Built Drawings is considered included in the prices paid for the various bid items of work and no additional compensation will be allowed.

900-33 Closeout Procedures

- A. Attention is directed to SC 6-8.1 "Completion and Acceptance" and Section 7-3.2.1 "Request for Payment" City General Provisions and these Special Provisions.
- B. Contractor must submit closeout submittals upon completion of work, including completion of punch list items, and at least seven (7) days prior to application for final payment, including, but not limited to the following:
 - 1. Evidence of compliance with requirements of governing authorities.
 - 2. Project record documents and construction as-built drawings.
 - 3. Operations and maintenance manuals.
 - 4. Keys, spare parts, remotes and other required devices.
 - 5. Warranties and bonds including an Increase Rider in the amount of final contract.
 - 6. Evidence of payment and release of liens as outlined in conditions of the contract.
 - 7. Survey record documents.
 - 8. Final Release Form CC4 and signed "Acknowledgement of Final Closeout and Release of Claims".

900-34 Measurement and Payment

Full compensation for work, other features, and conforming to the requirements of this Section 900, "General ", is considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed.

Work called for on the plans or required by the specifications, but for which no bid item exists is considered included in the prices paid for the various items of work and no separate payment will be made.

END OF SECTION 900

SECTION 901 – MOBILIZATION

901-01 General Requirements

Mobilization work will include all mobilization, demobilization, bonds, and insurance, preparatory and operations work necessary to provide for bonds, insurance, required permits and fees, submittals, shop drawings, project phasing, multiple move-ins and move-outs required to prosecute the work, supervision, coordination and concurrent work with other contractors, meetings, preparing "asbuilt" plans or record drawings, movement of personnel, equipment, supplies, and incidentals to and from the project site; the establishment of all other facilities necessary for work on the project; for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items of work at the project site; and work and improvements called for or implied by the Contract Documents, which are not included in the other bid items but are required to complete the Work.

901-02 Measurement and Payment

Payment for mobilization will be made at the contract lump sum price under the "Mobilization" Lump Sum price bid. This price will be considered full compensation for the furnishing of all materials and for all labor, equipment, tools, and incidentals necessary to complete the item.

A 25% payment of the lump sum total will be paid with the first progress payment and the remaining 75% will be paid incrementally over the life of the Contract where these subsequent payments will be based on the percentage of work completed to date.

END OF SECTION 901

SECTION 902 - TRAFFIC CONTROL, PARKING RESTRICTIONS, AND SIGNAGE

902-01 General

- A. Traffic control must be coordinated to minimize inconvenience and maximize safety of the public during the construction period. Traffic control must be installed and in accordance with the California Manual on Uniform Traffic Control Devices (CMUTCD), Section 302-4.5, 302-10.4 of the Standard Specifications and these Special Provisions. Traffic includes vehicles, bicycles, pedestrians and other modes of transportation.
- B. All arterial streets (four or more lanes) traffic control must be performed by a sub-contracted company specializing in traffic control for street work possessing a C-31 License issued by the Contractor's State License Board of the State of California.
- C. Personal vehicles of the Contractor's employees may not be parked on the traveled way or shoulders of the construction zone, including any section closed to public traffic. Employees' personal vehicles may be parked on adjacent streets within the legal parking areas.
- D. All haul routes must be submitted to the Engineer for review, and approved prior to the start of construction.
- E. Contractor must allow access to emergency vehicles at all times.
- F. When traffic cones or delineators are used to delineate a temporary edge of traveled way, the line of cones or delineators will be considered to be the edge of traveled way. However, the Contractor may not reduce the width of an existing lane to less than ten (10) feet without advanced written approval from the Engineer.
- G. The Contractor must furnish and post signage with ample warning, where necessary, to inform the public about closures or restrictions on streets and at parking area entrances. All CMS must be locked and password protected.
- H. Except as otherwise provided, the full width of the traveled way must be open for use by public traffic on Saturdays, Sundays, and designated legal holidays and when construction operations are not actively in progress.
- I. Contractor must minimize the amount of time that traffic signals are not fully operational. Phase and coordinate work such that signals are without detection for only the minimum amount of time.
- J. If a traffic loop is damaged, the Contractor must notify the Engineer immediately. Any traffic loop that is damaged or disconnected prematurely must be replaced within 48 hours of being damaged or disconnected at the

Contractor's expense.

If any component in the traffic control system is damaged, displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor must immediately repair the component to its original condition, or replace such component and return it to its original location. Failure by the Contractor to continuously maintain the approved traffic control devices must be sufficient cause for the Engineer to stop all work protected by or associated with such traffic control devices.

- K. Upon completion of the work in an area requiring traffic control, all components of the traffic control system must be removed from the site of the work.
- L. The Contractor is be fully responsible for maintaining all traffic control during the construction period and must furnish all traffic control equipment, signs, and barricades necessary to meet the requirements of these specifications, the direction of the Engineer and required to complete the project.
- M. Contractor must install, test and maintain in operation "Traffic Loops" (if applicable) prior to damaging or disconnecting any traffic loops.

902-02 Traffic Control Plan and Requirements

- A. Prior to start of construction the Contractor must submit to the Engineer for approval a detailed plan for traffic control and signal coordination (when required) for the various construction operations.
- B. The Traffic Control Plan must show all required barricading, flagman, signage, tapers, and traffic routing as may be required to maintain traffic circulation through, and in the vicinity of construction operations. The plan must show in detail how traffic will be routed through and around the construction site, including traffic from cross streets, alleys, and private drives. The plan must also show the location of signs that will provide advance warning to through traffic of street closure. The Traffic Control Plan must be prepared in accordance with the CMUTCD.
- C. No construction operations may commence without prior review and approval of the Traffic Control Plan by the City Public Works Department and the Engineer. If the Traffic Control Plan requires Repetitive Review, each subsequent submittal of the Traffic Control Plan shall be signed and sealed by a Traffic Engineer experienced with Construction Work Zone Traffic Control, with current Registration in California.
- D. The Engineer may require field alterations of the Traffic Control Plan as necessary to provide for the safety and convenience of public traffic. The Contractor must place, relocate or remove components of the traffic control system when directed by the Engineer, at no additional cost. Failure to comply with the approved Traffic Control Plan and any direction of the

Engineer will be grounds for immediate suspension of the construction operation until the Contractor makes such changes. If the Contractor fails to make required changes in the timeframe required, the Engineer may arrange for changes to the traffic control to be made by others and the cost to make such changes will be deducted from amounts due or to become due the Contractor.

- E. As an integral part of the Traffic Control Plan, the Contractor must designate one person as Traffic Lead for traffic control. That person must be on the job site and available to the Engineer at all times during construction and for the duration of the project. The Traffic Lead must be in possession of a cellular phone at all times and the cellular number must be provided to Engineer to allow for communication at any time (24-hours per day). The Traffic Lead will be responsible for the proper placement and operation of all traffic control components and have available sufficient additional traffic control equipment in order to quickly execute any field changes as required for the safety of the public or as directed by the Engineer for the convenience of public traffic. The Traffic Lead must know and understand the CMUTCD. The Traffic Lead must have adequate personnel (a minimum of two) and other resources to promptly place and remove any traffic control components as required for the safety of the public or as directed by the Engineer.
- F. Pedestrian access must be maintained at all times to all business, residences and buildings adjacent to Construction. The Contractor must, at minimum, provide pedestrian access on one side of the roadway with proper warnings and detours, and only when permitted by the Traffic Control Plan and approved by the Engineer. Under no circumstances may pedestrian access be restricted on both sides of a street simultaneously.
- G. The Traffic Control Plan must be designed to handle traffic safely 24 hours per day, seven days per week for the duration of the Work. Traffic deviations, restrictions, detours, and roadway closure must be coordinated with Police and Fire authorities a minimum of 24 hours in advance of implementation.
- H. Contractor must maintain traffic circulation at all times including, adequate flagging to accommodate public traffic as needed. Flaggers must be equipped in accordance with the Caltrans publication "Instruction to Flaggers;" each flagger must carry a Stop/Slow paddle at all times. Radios are required if distance between flaggers exceeds 200' or the distance eliminates line of sight. All costs for flaggers must be included in the contract item bid for Traffic Control.
- I. Lanes may only be closed upon approval on the Engineer and with an approved Traffic Control Plan. Sufficient arrow boards, Changeable Message Signs and sufficient traffic control will be required. Lanes may only be closed when work is in progress and restrictions may only be in effect for the minimum amount of time necessary to perform the Work, as determined by the Engineer. Lane restriction near intersections shall be minimized and turn

pockets shall be returned to operation as soon as practicable and as directed by the Engineer.

J. Traffic restrictions may only be in place when work is in progress and traffic restrictions shall be removed as soon as practicable. Street closures are to be avoided. Street closures require discretionary approval by the City Council and require significant justification and processing time and are typically not approved.

902-03 Construction Signage

- A. Construction area signs must be furnished, installed, maintained, and removed when no longer required in accordance with the provisions of the CMUTCD, the traffic control plan as approved by the Engineer, and these Special Provisions.
- B. Work must be performed in accordance with Sections 21400 and 21401 of the California Vehicle Code and its requirements for uniform traffic signs.
- C. The base material of construction area signs must be steel or aluminum; no plywood or cardboard signs will be allowed. Signs must be full size; reduced size signs may not be used.

902-04 Street Work Requirements

A. Street surfaces must be restored and cleared of traffic control for the safe flow of traffic no later than 4:00 p.m. or the time listed in the Plans, these special provisions, or the time specified by the Engineer, whichever is more restrictive.

902-05 Parking Restriction

Parking restriction (no parking) signs posted by the Contractor shall be of heavy card stock and not less than 1.75 square feet of surface area on the face. Background color shall be white and letter shall be printed in red water resistant ink except that day, date, and time of restriction may be printed in black, water resistant ink. The signs shall be printed with the words "Tow Away" and "No Parking" with a character height of not less than 1.5 inches and a stroke width of not less than 0.2 inches. The day, date, and time of the restriction shall be printed or attached below the above-mentioned wording in characters of not less than 1 inch in height and 0.15 inches in stroke width. The day of the week shall be written out or properly abbreviated with three to four letters; date or dates of restriction shall be listed completely; the beginning and ending times shall be clearly listed on the sign. Each sign shall also list the name of the Contractor and the Contractor's local phone number in characters of not less than 0.75-inch height; the Contractor shall staff such phone lines to answer all phone inquiries by the public between the hours of 7 a.m. and 6 p.m. during construction. Alternate no parking signs will be considered by the Engineer and shall include all the above information and shall conform to one of the following combinations of standard sign plates: R26D + R30TA + R26E or R30TA + R30.

Signs shall be mounted such that the words 'No Parking' are at an elevation at least three feet and not more than seven feet above the adjacent flow line. Signs may be tied with string to trees and power poles, taped to existing sign poles, or mounted to stakes or barricades as provided by the Contractor. The signs shall be placed as needed to control the parking of cars within the construction zone; signs shall be placed at intervals of 75 feet or less along each side of the roadway for parallel parking and 40 feet or less for angle parking.

Signs shall be posted (depicting dates and times) and maintained by the Contractor for a minimum period of 72 hours prior to the restrictions becoming effective. The Contractor may only post parking restrictions, which are effective for the actual day of work as shown on the weekly schedule of work. The Contractor shall immediately place new signs when work is delayed or schedule changes. Upon completion of the work, all signs, stakes, and barricades shall be promptly and completely removed and disposed by the Contractor. The Contractor shall promptly reset or replace all missing, damaged or defective signs.

The Contractor shall be fully responsible for the adequate removal of all parked cars. All vehicle removal shall be coordinated by the Contractor with the Public Works Inspector. The Contractor shall notify the Public Works Inspector (Phone number to be provided at Pre-Construction Meeting) and the Police Communications Center at (805) 681-4100 upon posting of the parking restrictions for a street. For removal of parked vehicles, the Contractor shall notify the Public Works Inspector not less than two hours prior to the needed removal with the address nearest the parked vehicle, make, model, color, and license number. The City shall not be responsible for any delay or additional cost associated with the removal of parked cars, which obstruct the construction operation.

If a vehicle owner successfully contests a towing citation in court, and the citation is dismissed for caused related to the Contractor's failure to perform the requirements of this section, the Contractor shall reimburse the City for the cost of any claims associated with the towing citation and actual towing.

902-06 Temporary Pavement Markings

- A. Wherever the Contractor's operations obliterate pavement delineation, (pavement delineation includes lane lines, stop bars, legends, symbols, crosswalks and school crosswalks; either pavement markers or painted lane lines, or both, parking lot legends, stall striping, and any other delineation), such pavement delineation must be replaced at the Contractor's expense by either permanent or temporary delineation, as required, before opening the traveled way to public traffic. Reflective traffic line tape or tabs must be applied in accordance with the manufacturer's instructions. Temporary delineation must be the same color as the permanent delineation. Tape or tabs can only be used for temporary lane lines, or they can be painted at the Contractor's option, prior to the opening of traffic lanes.
- B. A minimum of 3-working days prior to the planned date for placing painted

temporary or permanent striping and marking, Contractor must request the Engineer approve the "cat-tracking."

902-07 Measurement and Payment

The payment for "Traffic Control" will be made on a Lump Sum basis. The work shall include full compensation for furnishing all labor including flagging costs, materials (including signs, barricades, delineators, CMS, and other warning devices), tools, equipment, and incidentals, for doing all the work involved in placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic control system, postings, notifications, street closures, temporary pavement delineation, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer.

END OF SECTION 902

SECTION 903 – WATER POLLUTION CONTROL PLAN (WPCP)

903-1 General

- A. Attention is directed to Section 3-12.6 "Water Pollution Control" of the Standard Specifications and these special provisions.
- B. Discharges of stormwater from the project must comply with the permit issued by the Central Coast RWQCB for National Pollutant Discharge Elimination System (NPDES) Permit No. CAS000002, Permit No. (Order No. 2009-0009-DWQ). The Central Coast RWQCB permit governs stormwater and nonstormwater discharges resulting from construction activities in the project area. The Central Coast RWQCB permit may be viewed at Central Coast RWQCB office located at 895 Aerovista Place, Suite 101 San Luis Obispo, CA 93401.
- C. The Contractor shall prepare and maintain a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Plan (WPCP) on the form provided by the City, included in this specification, which describes in specific detail the Contractor's program to prevent contamination of the stormwater collection system. Contractor shall implement, maintain, inspect and remove all erosion and sediment controls identified in the WPCP. The program shall address both common construction activities and extraordinary events.
- D. Contractor shall include Water Pollution Control Drawings (WPCD) in the WPCP to illustrate the locations, applications and deployment of best management practices (BMPs) identified in the WPCP. The WPCD shall be included as an attachment to the WPCP. Sample WPCDs can be obtained from the Caltrans Storm Water Quality Handbook. The WPCP shall also comply with the Central Coastal Regional Water Quality Control Board Phase II Municipal Separate Storm Sewer System Program (Order No. 2013-0001 DWQ).
- E. The Contractor shall comply with laws, rules, and regulations of the State of California and agencies of the United States Government prohibiting the pollution of lakes, wetlands, streams, or river waters from the dumping of contaminates, refuse, rubbish or debris.
- F. The Contractor shall submit one copy of the WPCP a minimum of 10 working days prior to beginning construction. <u>Construction shall not begin until the</u> <u>WPCP is approved.</u> Contractor shall update the WPCP as necessary during the work to prevent contamination of the stormwater collection system.
- G. Before start of work, Contractor shall train all employees and subcontractors on the WPCP and related WPCD.
- H. Suggested BMPs can be obtained from the following sources:

- Central Coastal Regional Water Quality Control Board Phase II Municipal Separate Storm Sewer System Program /Order 2013-0001 at Central Coast Regional Water Quality Control Board web site at: <u>https://www.waterboards.ca.gov/centralcoast/</u> and https://countyofsb.org/pwd/sbpcw/water-quality/storm-watermanagement.sbc
- 2. California Stormwater BMP Handbooks for Construction or Municipal Activities <u>www.cabmphandbooks.com</u>
- 3-. Caltrans' Stormwater Quality Handbooks <u>http://www.dot.ca.gov/hq/construc/stormwater/stormwater1.htm</u>

903-2 Construction

- A. The Contractor shall keep a copy of the WPCP on the job site. The Contractor shall provide continuously at the jobsite all of the tools, equipment, and materials necessary to implement the WPCP at all times from project initiation through completion, including any punchlist or warranty work on the project. At a minimum the following requirements should be met as applicable, to the maximum extent practicable, at construction sites regardless of size:
- B. Storm Drain System Protection At the first order of work, the Contractor shall protect the existing storm drain system from entrance of construction debris and pollutants. Such protection shall include implementing the BMPs as outlined in the WPCP. Protection shall prohibit the discharge of untreated runoff from temporary or permanent street maintenance/landscape maintenance material and waste storage areas from entering the storm drain system. Sediment that is generated on the project site shall be retained using structural drainage controls. In addition, the protection system shall have a minimum of three features: 1) a particulate filter of geosynthetic material securely fastened in place such that it cannot be bypassed without significant physical damage; 2) a pre-filter for the particulate filter; and 3) on-hand materials to close off the inlet or opening in the case of a significant pollution spill. Contractor shall monitor and maintain all storm drain inlet protection devices during rain events to prevent flooding.

In addition to the BMPs outlined in the City of Goleta Stormwater Guidance Document, the protection system shall have a minimum of three features:

- 1) A particulate filter of geosynthetic material securely fastened in place such that it cannot be bypassed without significant physical damage,
- 2) A pre-filter for the particulate filter, and
- 3) On-hand materials to close off the inlet or opening in the case of a significant pollution spill.
- C. Material Management & Storage No construction-related materials, wastes, spills or residues shall be discharged from the project site to streets, drainage facilities or adjacent properties by wind or runoff. All materials and/or equipment storage areas where liquid construction materials are

placed shall be protected by a physical barrier capable of containing the entire volume of stored liquid materials. During active construction activities, portions of the barrier may be removed for access. However, the barrier materials must be readily accessible for replacement by onsite construction personnel. The barrier must be in place at all times during the absence of Contractor personnel at the storage site. Building materials should be placed on pallets and covered in event of rain. Do not store materials in the street or gutter area.

- D. Equipment & Vehicle Maintenance Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site and shall not be allowed to discharge from the project site to streets, drainage facilities or adjacent properties by wind or runoff. The Contractor shall inspect vehicles and equipment on each day of use. Leaks shall be repaired off-site if possible. If necessary to repair on site, the runoff must be contained or the problem vehicle or equipment shall be removed from the project site until repaired. If necessary, drip pans should be placed under the vehicles or equipment while not in use to catch and/or contain drips and leaks.
- E. **Soil Erosion Control** Erosion from slopes and channels will be significantly reduced by implementing BMPs, including but not limited to, minimizing grading activities during the wet season, inspecting graded areas during rain events, planting and maintaining vegetation on slopes, and covering slopes susceptible to erosion.
- F. Spill Prevention & Cleanup Plan Contractor shall have a spill prevention plan and spill cleanup materials readily available and addressed in the WPCP. Spills shall be cleaned up immediately using dry methods if possible. Spill cleanup material shall be properly disposed of. Refer to SC-11 Spill Prevention BMP from the <u>California Stormwater BMP Handbook for Municipal</u> <u>Activities</u>. Contractor shall keep a record of any spills in the inspection log. In addition, at the end of the project, the Contractor must certify that all contaminated materials have been properly disposed in accordance with the WPCP.
- G. Asphalt & Concrete & Related Activities Contractor shall implement the following BMPs:
 - 1. Restrict paving/repaving activity to exclude periods of rainfall or predicted rainfall unless required by emergency conditions.
 - 2. Install sand bags or gravel bags and filter fabric at all susceptible storm drain inlets and at manholes to prevent spills of paving products and tack coat.
 - 3. Prevent the discharge of release agents including soybean oil, other oils, or diesel to the storm drain system or receiving waters.
 - 4. Minimize non-stormwater runoff from water use for the roller and for evaporative cooling of the asphalt.

- 5. Clean equipment over absorbent pads, drip pans, plastic sheeting or other material to capture all spillage and dispose of properly.
- 6. Collect liquid waste in a container, with a secure lid, for transport to a maintenance facility to be reused, recycled or disposed of properly.
- 7. Collect solid waste by vacuuming or sweeping and securing in an appropriate container for transport to a maintenance facility to be reused, recycled, or disposed of properly.
- 8. Cover the cold mix, asphalt, materials (i.e., pre-mixed aggregate and asphalt binder) with protective sheeting during a rainstorm.
- 9. Cover loads with tarp before haul-off to a storage site, and do not overload trucks.
- 10. Minimized airborne dust by using water spray during grinding
- 11. Avoid stockpiling soil, sand, sediment, asphalt material and asphalt grinding material or rubble in or near storm water drainage systems or receiving waters.
- 12. Protect stockpiles with a cover or sediment barriers during a rain event.
- H. **Sidewalk Washing** The following methods should be utilized to prevent discharge of sidewalk cleaning wastewater into the storm drain system:
 - 1. Sweep and pick up all areas to be cleaned before using water.
 - 2. Manually scrape gum from sidewalks and other surfaces.
 - 3 Use a wet/dry vacuum to collect wash water for disposal. Large volumes of wash water may require the use of a small sump pump to remove wash water from the job site.
 - 4. One or more of the following methods are recommended to prevent pollutants from entering the storm drain system:
 - Sandbags can be used to create a barrier around storm drains. *
 - Rubber mats or plugs can be used to seal drain openings. *
 - Temporary berms or containment pads help keep water on site. *
 - Use berms of sandbags to direct wash water to landscaping. *
 - Use large squeegees to accumulate sheet flow for collection.

*Remember to remove plugs, berms, and sandbags or you may be liable for possible flooding.

- 5. Wash water that may contain hazardous waste such as oil-saturated absorbents, water with lead or other heavy metals from oxidized paint, and solvent cleaners requires special treatment and must be disposed of through a hazardous waste facility.
- I. **Employee BMP Training** Contractor shall train employees and subcontractors on BMP implementation, general good housekeeping, and proper spill containment and cleanup. Before start of work, Contractor shall provide City with written documentation of training and keep all documentation in the WPCP.
- J. **Removal of Accumulated Rainwater** The Contractor shall follow the City of Goleta Guidelines for Removal of Rainwater that has accumulated on the job site.

903-3 Payment

- A. The Contractor shall be paid for work of preparing, implementing, inspecting, maintaining, and removing the WPCP on a lump sum basis as shown in the Bid Schedule for the Water Pollution Control Plan. In addition, failure to perform and document the required daily inspections shall result in a daily liquidated damage of \$250/calendar day. This liquidated damage shall be in addition to any other liquidated damage. The imposition of the penalty shall not relieve the Contractor of any obligations of these project requirements.
- B. Payment for the work involved under the bid item for the Water Pollution Control Plan may be made on a partial payment system based on the completion of the following stages of work:

Work Description	Payment
Develop Plan	10% of Bid Price
Initial Plan Implementation	10% of Bid Price
Removal of BMPs at Completion	10% of Bid Price
Inspection & Maintenance of WPCP	70% of Bid Price

- C. Payment for the WPCP shall include all the labor, materials, equipment, and incidentals for preparing, maintaining, and updating a WPCP and complying with all provisions including maintenance and updating of BMPs throughout construction, as specified herein.
- D. Fines and penalties from regulatory agencies levied against the City as a result of the Contractor's work, including actions or inactions shall be the responsibility of the Contractor and may be deducted from payments due or to become due the Contractor.

END OF SECTION 903

SECTION 904 - MEASUREMENT AND PAYMENT

904-1 - General

A. Measurement will be in accordance with Standard Specification unless otherwise specified.

Abbreviation	Meaning
CF	cubic foot
CY	cubic yard
EA	Each
(F)	final pay item
GAL	Gallon
HR	Hour
LB	pound
LF	lineal foot
LS	lump sum
SF	square foot
SY	square yard
TN	2,000 pounds

Bid Item List Abbreviations

B. When an item of work is designated as (F) in the bid schedule, then the item shall be a final pay item for payment purposes only. For a final pay item, payment shall be based on the quantity shown in the bid schedule for that item, regardless of the actual quantity used, unless the item quantity is changed by the Engineer.

904-2 – Payment

Payment for the various items of the Bid Schedule, as further specified herein, shall include all compensation to be received by the Contractor for furnishing all tools, equipment, supplies, and manufactured articles, and for all labor, operations, and incidentals appurtenant to the items of work being described, as necessary to complete the various items of work as specified and shown on the drawings, including all appurtenances thereto complete and in place, and including all costs of compliance with the regulations of public agencies having jurisdiction.

END OF SECTION 904

SECTION 905 – ROADWAY PREPARATION

905-01 Scope

Roadway Preparation shall conform with Section 300-1 of the Standard Specifications, and as modified by the following Special Provisions, and the plans.

The work under this section consists of preparing the roadway prior to the resurfacing or reconstruction. Such work shall include controlling nuisance water, sweeping, watering, removal of all raised pavement markers, removing thermoplastic pavement markers, removing rubber speed bumps and storing them at a safe location agreeable to the City until replacement, and removing loose and broken asphalt concrete pavement and foreign material, including existing weed growth as specified in these Special Provisions and as required by the Engineer. The Storm Water Pollution Control Program is to be implemented prior to the start of work. Any roadway area that contains existing weed growth shall be treated with an Environmental Protection Agency (EPA) approved herbicide composed of glyphosate and oryzalin, combined and applied according to label directions.

CONTRACTOR'S attention is especially directed to Sections 7-8, "Project Site Maintenance," 7-9, "Protection and Restoration of Existing Improvements," and 7-10, "Public Convenience and Safety" of the Standard Specifications, which shall be strictly adhered to. (A bid item is included herein for Traffic Control for all project work.)

Removal and Disposal of Materials

Attention is directed to Section 300-1, "Clearing and Grubbing" of the Standard Specifications and these Special Provisions. Add the following:

Existing soil, rock, and vegetation shall be removed and disposed as required to accommodate the construction of the various types of miscellaneous concrete improvements and associated placement of aggregate base or sand bedding.

The Contractor shall prune roots per the City Arborist. Tree roots shall not be cut indiscriminately with a root saw. Roots shall be cut by hand using a chain saw when encountered in excavation. Roots found to be growing above the grading plane shall be removed to a depth of six inches below the grading plane. Removal of roots shall be considered as included in the various items of concrete construction and no additional compensation will be allowed therefor. Debris from root removal operations shall become the property of the Contractor and shall be legally disposed of.

Concrete Removal

Concrete shall be defined as all or portions of mortared rubble masonry, brick or stone curbs, gutters and sidewalks; and Portland cement concrete curbs, gutters, sidewalks, gutter depressions, driveways, aprons, slope paving, island paving, barriers, retaining walls, spillways, dams, structures, foundations, footings, and all other Portland cement concrete or masonry construction.

Concrete sidewalks, driveways, and curb and gutters shall be removed to the nearest expansion joint, contraction joint, score mark, or as otherwise directed by the Engineer. Contraction joints and score marks are to be saw cut to the depth of the existing concrete. The Contractor shall layout saw cut lines a minimum of two working days prior to saw cutting and shall notify the Engineer to verify proper location.

Where portions of existing asphalt concrete surfacing or concrete curb and gutter or sidewalk are to be removed, the outline of the area to be removed shall be cut on a neat line with a power-driven saw to a minimum depth of 0.25 foot before removing the surfacing.

Any and all concrete sludge generated during saw cutting shall be removed simultaneously with a suitable wet-dry vacuum and properly disposed of. Failure to sufficiently remove and properly dispose of concrete sludge would be a violation of the City's Water Pollution Control Program, and may result in associated penalties.

Street lighting conduit, irrigation lines, and utility services are often located within the areas indicated for sidewalk removal. The Contractor shall work with the utilities and the adjacent property owners to locate and identify all conflicting lines. Any lines, conduits, and services damaged by the Contractor shall be repaired and service restored immediately at the Contractor's expense. All parkway areas not included in the landscape planting areas shall be restored to their original condition including any replanting, re-sodding, backfilling and re-grading.

At locations indicated on the plans and at other locations to be determined by the Engineer, the Contractor shall saw cut, remove, and recycle existing concrete, including base course and other hardscape improvements. The contractor shall recycle all demolished concrete to ensure that none of the material will be disposed of at a landfill.

Prior to starting work, the Contractor shall submit a plan to be approved by the Engineer that demonstrates that all concrete generated from the project will be recycled. The Contractor shall provide to the Engineer weigh tickets or other evidence that the material to be recycled has been disposed of at a recycling facility.

Asphalt Concrete Removal

Any existing asphalt pavement section adjoining any of the concrete improvements to be replaced shall be removed to a minimum of one and one half (1 ½) feet outside of the limits of the concrete improvements. Concrete or concrete base shall be removed only with specific approval of the Engineer.

At locations indicated on the plans and at other locations to be determined by the Engineer, the Contractor shall saw cut, remove, and recycle existing asphalt concrete including base course and other hardscape improvements. The contractor shall recycle all demolished asphalt concrete to ensure that none of the material will be disposed of at a landfill. Prior to starting work, the Contractor shall submit a plan to be approved by the Engineer that demonstrates that all asphalt concrete generated from the project will be recycled. The Contractor shall provide to the Engineer weigh tickets or other evidence that the material to be recycled has been disposed of at a recycling facility.

Unclassified Excavation

Attention is directed to Section 300-2, "Unclassified Excavation", of the Standard Specifications and these Special Provisions.

The Contractor shall perform all excavation necessary to perform the required work. The excavation shall include the removal and disposal of all materials of whatever nature encountered, which shall include both rock and common excavation, including all obstructions that would interfere with the proper construction and completion of the work, and shall include the furnishing, placing, and maintaining of shoring and bracing necessary to safely support the sides of the excavations.

The Contractor shall dispose of all excess excavated material at his own expense (except materials determined to be hazardous which shall be paid for as approved extra work), and in accordance with an approved hauling plan.

905-02 Payment

Payment for Roadway Preparation shall be included in the prices paid for the various items of work and no separate payment will be made.

905-03 Subgrade Prep and Placement of Base Materials

Subgrade Preparation

The subgrade shall be cut to grade and proof rolled in order to detect isolated unstable areas. Any areas found to be yielding shall be stabilized. If unstable soils are encountered at any time during the grading operation, stabilization will be required prior to placement of aggregate base. Stabilization, if required, shall consist of removing soft, spongy or otherwise unsuitable materials to firm unyielding soil and backfilling with crushed aggregate base.

Payment

Payment for subgrade preparation shall be considered included in the prices paid for the various items of work and no separate payment will be made.

END OF SECTION 905

SECTION 906 - COLD PLANING (MILLING & KEYCUTS)

906-01 Scope

The existing pavement adjacent to existing gutters, cross gutters or at the ends of overlays, at equipment crossings and at bridge approaches shall be cold planed as specified herein. Limits of cold planing will be determined by the Engineer prior to construction. The depths and dimensions of the cold planing and keycuts are designated on the Plans. Cold planing will be used for removal of existing pavement on those roadways designated for cold planing and replacement of the asphalt concrete, and may be used for digouts.

The CONTRACTOR shall schedule the work such that permanent paving shall be completed within 5 working days after cold planing and within 5 working days after quicklime & cement treatment. The CONTRACTOR shall schedule the cold planing work such that the pavement levelling course (base course) can be completed immediately after milling and digouts are complete.

Milled pavement surfaces shall not be opened to traffic and all traffic lanes shall be open for traffic outside the approved work hours.

906-02 Equipment

The machine used for planing shall have performed satisfactorily on similar work and shall meet the following requirements:

The planing machine shall be specially designed and built for planing of bituminous pavements without the addition of heat. It shall have the ability to plane Portland Cement Concrete patches in the bituminous pavement or Portland Cement Concrete pavements. The cutting drum shall be a minimum of forty-eight (48) inches wide and shall be equipped with carbide tip cutting teeth placed in a variable lacing pattern to produce the desired finish.

The machine shall be capable of being operated at speeds of 0 to 40 feet per minute; it shall be self-propelled and have the capability of spraying water at the cutting drum to minimize dust. The machine shall be capable of removing the material next to the gutter of the pavement being reconditioned and so designed that the operator thereof can at all times observe the planing operation without leaving the controls. The machine shall be adjustable as to slope and depth.

The CONTRACTOR's attention is directed to Subsection 7-8.2 "Air Pollution Control" of the Standard Specifications.

906-03 Construction

Prior to cold planing on streets to be milled, all utility covers shall be lowered such that the cutting teeth of the planing machine passes over the adjusted lid without causing damage to the lid or frame. CONTRACTOR will be responsible for maintaining any temporary asphaltic fill material over these facilities until the final paving surface is installed.

CONTRACTOR shall remove as shown in the keycut details included in these Technical Provisions. Remaining material around utility covers and at gutter lips shall be removed to the depth of the adjacent milled surface after completion of cold planing. If pavement against utility covers, gutter lips, or other features, cannot be removed by the planing machine, CONTRACTOR shall use other means to remove this material.

The pavement surface after cold planing shall be uniformly rough. The grade shall not deviate from a suitable straight edge more than 1/4 inch at any point. When multiple passes are required to create the cold planed surface, the maximum variation from a stringline or straight edge shall be 1/4 inch high to 1/2 inch low. High points out of tolerance shall be replaned to fall within tolerance. Low areas shall be filled with asphalt concrete as specified herein to meet tolerances. The cost of such correction of low areas shall be entirely the Contractor's.

The work shall consist of preparing the existing street surfaces prior to the commencement of paving. Such work shall include removing raised pavement markers, removing all thermoplastic and paint traffic markings and legends, controlling nuisance water, sweeping, watering, and removing loose and broken asphalt concrete pavement and foreign material; and the spraying and removal of weed growth as specified in the Standard Specifications and these Technical Provisions, and as directed by the Engineer. Any roadway area that contains existing weed growth shall be treated with an E.P.A. approved herbicide composed of glyphosate and oryzalin, combined and applied according to label directions. Contractor shall provide the record of amount used for the project.

The pavement areas designated to be replaced shall be removed to a uniform depth as specified, and may be removed either by cold planing or by full depth sawcutting and mechanical removal. Sawcutting is not necessary if the pavement is removed by cold planing. Any broken or damaged pavement edges shall be recut prior to paving. All removed material shall be cleared from the site.

Water for cold milling shall be provided by the CONTRACTOR and shall be considered integral to cold milling in terms of payment.

On intersections where the plans call for cold milling and replacing the asphalt concrete, the CONTRACTOR shall only remove what can be paved back during the same work period.

906-04 Removal and Disposal of Material

During the planing operation, the CONTRACTOR shall sweep the street with mechanical equipment and remove all loosened material from the project site until completion of the removal work. The CONTRACTOR shall take all necessary measures to avoid dispersion of dust. <u>CONTRACTOR shall notify the Engineer for approval of swept surface prior to Tack Coat application.</u>

The City may choose to keep asphalt pavement grindings produced as part of the contract work. The Contractor must provide trucking to haul and unload the grindings to City designated site(s). All other material removed including loop detectors shall be considered the property of the Contractor. If the City decides not to keep the material, then all material removed shall be considered the property of the Contractor and shall be removed and legally disposed of at the Contractor's expense. At the request of the Engineer, proof of legal disposal shall be provided.

In addition to removing the cold milled asphalt concrete, the CONTRACTOR shall remove any slurry seal or asphalt concrete which is adhered to the top of the adjacent gutter, cross gutter or spandrel.

906-05 Temporary Transitions

In addition to the provisions of Subsection 302-5.2 of the SSPWC, the CONTRACTOR shall construct temporary pavement transitions at all cold milled areas greater than 1 inch prior to allowing traffic onto the cold milled areas. This includes both longitudinal and transverse directions. This also includes PCC facilities around corners from beginning of curb return to end of curb return, PCC cross gutters and PCC spandrels. Temporary pavement transitions shall have a slope of 20:1 or as approved by the engineer and be constructed on Kraft paper or other suitable bond breaker such that upon removal of the temporary pavement transition, a clean notch remains. The temporary transitions shall be constructed of hot mix.

The CONTRACTOR shall continuously maintain the temporary pavement until final paving. Each temporary transition shall be inspected by the CONTRACTOR and repaired as necessary to comply with these provisions at the end of each day including weekends and holidays.

Failure to comply with these provisions will result in a liquidated damage per day per transition and/or the cost of City crews making the repairs if necessary to correct for public safety.

906-06 Payment

Payment for various keycuts will be measured along the edge of the adjacent curb, gutter, cross gutter, or pavement, and paid for on a **lineal foot** basis; shall include full compensation for furnishing all labor, materials, tools, equipment, removal, transportation, disposal, and incidentals; and for performing all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans and typical sections. No additional compensation will be allowed therefor.

Failure to comply with these provisions, either installation of cold wedges, failure to maintain cold wedges, or failure to complete surface paving within five (5) working days, shall subject the Contractor to \$300 of liquidated damages for each occurrence. Multiple occurrences of liquidated damages per calendar day are not restricted.
Cold Planing on roadways to be milled will be measured and paid for on a square foot. Payment for various cold plane & remove will be made at the unit price bid on the basis of actual measured quantities of cold planing completed in accordance with the Plans and these Special Provisions.

The contract price paid per **square foot** for "Cold Plane & Remove 5-1/2" Pulverized Material", "Cold Plane & Remove 8" Pulverized Material", "Cold Plane AC (1-1/2" taper to 1-3/4" Over Pavement Transition)", "Cold Plane AC (1-1/2" taper to 2" Over Pavement Transition)", "Cold Plane AC (2-1/4" thick)", and "Cold Plane AC (7-1/2" thick)" shall include full compensation for furnishing all labor, materials, tools, equipment, removal, transportation, disposal, and incidentals; and for performing all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans and typical sections. The increased grind depth at the edges of the cold planing area (when shown on the plans) is included in the bid item and no additional compensation will be allowed therefor.

907-01 Scope

Work to be performed under this Section covers all labor, materials, tools, equipment and incidentals necessary to furnish and apply, complete in place tack coat in conjunction the asphalt concrete overlay and other asphalt paving work. All such work shall conform to the applicable provisions of the Standard Specifications, and these Special Provisions.

907-02 Materials

The tack coat shall be SS-1h. A certificate of compliance shall be submitted prior to construction.

907-03 Construction

The tack coat shall not be applied until the preparation of the existing surface has been completed, and then only so far in advance of placing the asphalt concrete overlay as permitted by the Engineer / Inspector. No tack coat shall be left exposed overnight. Immediately in advance of placing the asphalt concrete overlay additional tack coat shall be applied, as directed by the Engineer to areas where the tack coat has been destroyed or otherwise rendered ineffective, and no additional compensation will be allowed for such work.

Tack coat shall be applied to all vertical edges after every lift of asphalt. Vertical edges shall be tack coated by hand wand or manually by brush. The tack coat application shall not extend above the level of the finished surface by more than 1 inch. Gutter pans and curb faces not to be tack coated shall be protected by shields or other methods. An overspray beyond the 1 inch shall be removed by means approved by the Engineer.

Existing concrete curb faces and driveways shall be protected against disfigurement from the asphalt. Residue of the material shall be removed from curb faces and driveways by sandblasting to the extent required by the Engineer.

The tack coat shall be applied as specified in Subsection 302-5.4 of the Standard Specifications and these Special Provisions. Tack coat shall not be applied when the temperature of the surface to be tacked is below 40° Fahrenheit in the shade.

The asphalt binder emulsion for use as a binder (tack coat) shall be applied at the rate of 0.15 gallons per square yard (to the entire resurfacing area designated for new pavement).

The CONTRACTOR shall be responsible for cleaning tack coat tracked onto decorative concrete crosswalks or legends and crossbars within the project limits and along truck haul routes used by the CONTRACTOR or his SUBCONTRACTORS. The haul routes shall be inspected by the City and CONTRACTOR prior to initiating work to photographically establish the existing

conditions. Within 10 calendar days of completion of final paving, the City and CONTRACTOR shall reinspect the haul routes to determine the extent and locations of required cleaning. Cleaning shall be performed within 10 calendar days after the City delivers a written copy of the locations of required cleaning. Failure to meet this schedule, whether to reinspect or to perform cleaning, shall subject the CONTRACTOR to a liquidated damage of \$500 per calendar day per location.

907-04 Payment

No separate payment will be made for work or other features as required and outlined in this Section, "Asphalt Tack Coat." Full compensation for such work and features shall be considered included in the prices paid for the various related items of work and no separate payment will be made.. Such payment shall be considered full compensation for furnishing and maintaining all materials, labor, equipment, and all incidentals necessary to complete the work in accordance with the Standard Specifications and these Special Provisions.

SECTION 908 – REMOVE ROOTS UNDER CONCRETE OR PAVEMENT REPAIRS

908-01 General

All tree roots under the concrete to be repaired shall be removed as described herein. This item includes root removal where trees have been previously removed. The CONTRACTOR shall coordinate with and receive approval from City Arborist for all root pruning / trimming.

908-02 Construction

The Contractor shall remove all tree roots under the concrete or pavement to be repaired to a depth of twelve inches below the subgrade. All roots encountered within the repair area shall be cut by hand (i.e. chain saw, hand pruners, hand saw, axe, etc.) or a root pruner approved by the Engineer at the limits of the repairs prior to their removal. Root removal by other mechanical means (i.e. trencher, backhoe, loader, etc.) is specifically prohibited. Any damage done to adjacent concrete or other improvements due to the failure to sever roots at the limits of the repair shall be repaired at the Contractor's expense.

The area where roots have been removed shall be backfilled with native material or Class 2 Aggregate Base. The area to be backfilled shall be scarified prior to the addition of backfill and shall be compacted to 90% relative compaction under concrete repairs and 95% under pavement repairs. The limits of root removal shall be 10 feet to each side of the tree or shrub causing the damage unless otherwise authorized by the Engineer.

908-03 Payment

No separate payment will be made for work or other features as required and outlined in this Section, "Remove Roots Under Concrete or Pavement Repairs". Full compensation for such work and features shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed. Such payment shall be considered full compensation for locating, severing and removing roots; supplying, installing and compacting backfill, and all incidentals necessary to complete the work in accordance with the Standard Specifications and these Special Provisions.

909-01 General

Attention is directed to Section 200 "Crushed Aggregate Base" of the Standard Specifications, Section 26 "Aggregate Bases" of the Caltrans Standard Specifications, and these Special Provisions. Add the following:

Aggregate base shall be Class 2 and shall conform to the provisions in Section 26, "Aggregate Bases", of the Caltrans Standard Specifications and these Special Provisions. The coarse aggregate (material retained on the No. 4 sieve) shall consist of material of which at least 25% by weight shall be crushed particles as determined by California Test 205.

909-02 Measurement and Payment

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

SECTION 910 – ASPHALT CONCRETE (AC)

910-01 Scope

Work to be performed under this Section covers all labor, materials, tools, equipment, transportation, and incidentals necessary to construct asphalt concrete. All such work shall conform to the dimensions of the plans, the applicable provisions of the Standard Specifications, and these Special Provisions.

910-02 Materials

Material used shall be asphalt concrete as specified in Subsection 203-6 of the Standard Specifications. The class of combined aggregate grading shall be Class C2 or D2 as shown on the Typical Sections. The grade of asphalt shall be PG 64-10.

The mix properties indicated in Table 203-6.4.3(A) shall be modified as follows:

	Design and Production	Target Air	Production
 Mix	Stability	Voids	Air Voids
C2	37 min.	4.0%	2.5% - 5.5%
D2	30 min.	4.0%	2.5% - 5.5%

TSR to be minimum 70 in accordance with Caltrans Test Methods 371. In lieu of the TSR requirements, the suppler may add 0.5% of anti-strip. No warm mix additives allowed.

910-03 Construction

The work shall further consist of preparing the existing street surfaces prior to the paving. Such work shall include removing raised pavement markers, removing thermoplastic pavement markers, painted legends and crossbars (12" white and yellow), controlling nuisance water, sweeping prior to tack application, watering, and removing loose and broken asphalt concrete pavement and foreign material as specified in the Standard Specifications and these Special Provisions and as required by the Engineer. The minimum ambient temperature to begin paving shall be 55 degrees F. The CONTRACTOR shall use any means necessary to clean the pavement, including sweeping and flushing.

The paving shall be performed in such a way as to not leave any longitudinal paving joints at the end of each day's operation. Longitudinal paving joints shall be wedge type and shall be constructed as shown on the plan details. The longitudinal paving joint layout shall be submitted to the Engineer for approval and shall be reviewed at the pre-paving meeting.

1. Cold Joints

All cold joints, both longitudinal and transverse, shall be heated with a torch immediately prior to paving. Care shall be exercised such as to not damage the asphalt concrete by burning or excessive aging, as determined by engineer. Damaged material

shall be removed by saw cutting to form a new cold joint followed by torch heating. Cold joints include previous passes placed more than three hours prior. All cold joints shall be tack coated.

2. Leveling Transitions and Asphalt Concrete Fills

A leveling course of variable thickness shall be placed and compacted prior to placing the surface course at locations where directed by the Engineer. The leveling course will be used to correct pavement irregularities such as rutting, variable cross slope, or variable longitudinal slope. Where two overlays of different thickness abut at a longitudinal joint, the CONTRACTOR shall add to the thinner section to match the thicker lift and provide a smooth transition and uniform cross-fall. Cold planing ridges or other rises in the pavement surface may be required by the Engineer. The Engineer will determine the exact limits and thickness of the leveling courses, asphalt concrete fills, and transitions. Areas to receive AC Fill shall be completed prior to performing leveling course work. CONTRACTOR shall perform AC Fills to improve surface drainage as shown on the plans and as directed by the Engineer.

3. <u>Layout</u>

The CONTRACTOR shall layout and mark the location of the edges of the paving passes of the surface course to match the new layout of the lane lines. The layout shall be made at least 24 hours prior to paving. The layout shall be approved by the Engineer prior to paving.

If the striping is to remain unchanged, the edges of the paving passes shall conform to existing lane edges.

In all cases where practical, each lane shall be paved in a single pass. In tapered transition areas, the shoulder areas shall be paved first, then the through lane shall be hotlapped immediately after the shoulder paving.

For paving which incorporates new quarterpoints or gradebreaks due to keycuts or other conditions, the CONTRACTOR shall provide equipment capable of adjusting to the new surface profile at the appropriate locations. The profile adjustments shall be within twelve inches of the actual quarterpoint or gradebreak.

The CONTRACTOR shall take sufficient measurements during laydown to assure that the full design asphalt concrete layer depth is provided at each quarterpoint, gradebreak, or transition. Failure to provide the design depth at these areas will result in rejection of the work. Correction of this rejected work will include milling out the new asphalt concrete from the road edge to the centerline or nearest inside lane line and repaving. The minimum length of the milled and corrected area shall be fifty feet.

4. Tolerances

The finished asphalt concrete surface shall be flush with, to 1/4 inch (0.02 feet) (6 mm) above the gutter lips. The finished pavement surface shall not be lower than the gutter lips.

The average pavement thickness shall be equal to the specified thickness for the project. For total pavement thicknesses less than four inches, the minimum allowable thickness will be 1/4 inch less than that specified. For total pavement thicknesses of four inches or more, the minimum allowable thickness will be 1/2 inch less than that specified.

The provisions of Section 302-5.6.2 shall apply and shall be modified to provide that the straightedge shall be 12 foot in length.

5. Additional Pavement Placement Equipment

In addition to Green Book 2015 Section 302-5.5, Contractor shall provide the use of an Asphalt Material Transfer Vehicle (a.k.a. a Shuttle Buggie) during the placement of all finish course materials on Arterial Streets.

6. Automatic Screed Controls

For all main line street or roadway paving with single lane length exceeding 300 feet, automatic screed controls shall be required.

In addition to the requirements in Subsection 39-1.10 of the 2010 State of California Department of Transportation Standard Specifications (Unrevised), asphalt concrete shall be placed with spreading equipment equipped with fully automatic screed and grade sensing controls which shall control the longitudinal grade of the screed. Automatic controls shall conform to and be operated in accordance with the provisions herein.

Unless approved otherwise, ski-type devices with a minimum length of 30 feet shall be used to provide a reference for the grade sensor. Skis shall be constructed and installed in such a manner that a reference to the average elevation of the existing pavement, along the length of the ski, is maintained at the sensor point. When placing surfacing adjacent to surfacing previously placed in conformance with these provisions, a joint matching shoe of adequate size and type to properly sense the grade of the previously placed mat may be used in lieu of the 30-foot ski.

The ski shall be mounted at a location which will provide an accurate reference for the surfacing being placed. This may require the ski to be mounted ahead of and inside the outer limits of the screed. Automatic cross slope control may be accomplished by use of a ski and grade sensor on each side of the paving machine.

Automatic screed controls shall be installed in such a manner that the occasional manual adjustments necessary to maintain the attitude of the screed parallel to the underlying pavement are readily accomplished. Automatic screed controls shall be installed so that with little or no delay, use of the automatic controls can be discontinued and the screed controlled by manual methods.

Should the automatic screed controls fail to operate properly during any day's work, the CONTRACTOR may manually control the spreading equipment for the remainder of that day provided the quality of the work conforms to the requirements of Sections 39-1.11 and 39-1.12 of the 2010 State of California Department of Transportation Standard Specifications (Unrevised). Should the methods and equipment used for automatic control fail to result in the quality of work required by said Sections 39-1.11 and 39-1.12, the paving operations will be temporarily discontinued and the CONTRACTOR shall make the necessary changes to the equipment, or furnish other equipment conforming to the requirements herein, before paving is resumed.

If it is determined by the Engineer that the existing grade and cross slope are too irregular for the automatic controls to provide the quality of work required, the use of the automatic controls shall be discontinued and the spreading equipment adjusted by manual methods. Use of automatic controls shall resume when the Engineer has determined that it is again practical and so orders.

7. Rolling and Compaction

In addition to the requirements of Subsection 39-1.11 of the 2010 State of California Department of Transportation Standard Specifications (unrevised), the number of rollers required for each paving operation shall be such that all rolling for density can be completed before the temperature of the asphalt concrete mixture drops below 140 degrees Fahrenheit.

Breakdown rolling shall commence when the asphalt concrete is placed except in cases where mix distortion/shoving rather than compaction is taking place under the roller. In those instances, wait for the mix to cool to sufficiently, then breakdown compact. Rolling shall be accomplished with the drive wheel forward and with the advance and return passes in the same line.

On areas where the underlying material appears to be wet or soft or where it deflects under wheel loads, the Contractor shall employ excavation and work techniques which do not worsen the sub-grade condition.

Prior to placing aggregate base or Hot Mix Asphalt, each pavement replacement area shall be proof-rolled with a loaded construction vehicle, preferably a ten cubic yard dump truck or equivalent. The compacted surface shall not visibly yield or deflect. Soft, yielding, unstable, or unsuitable areas shall be removed and replaced with base rock or Hot Mix Asphalt. If the areas were caused or significantly worsened by the Contractor's operations, these areas shall be replaced at the Contractor's expense.

In the event that the underlying material is soft, yielding, unstable, or unsuitable, it shall be excavated to a depth of 0.5 feet below the depth required above and disposed of in accordance with these Special Provisions. The limits of removal shall be designated by the Engineer. The resulting space shall be filled with a single lift of Hot Mix Asphalt.

Unsuitable material is defined as material the Engineer determines to be:

- 1. Of such unstable nature as to be incapable of being compacted to specified density using ordinary methods at optimum moisture content, or
- 2. Too wet to be properly compacted and circumstances prevent in-place drying prior to incorporation into the work, or
- 3. Otherwise unsuitable for the planned use.

Care shall be taken to assure compaction of the inside corners of the first lift. Ramping shall not be allowed on the course placed immediately prior to the surface course.

A minimum of two lifts shall be used for each replacement area or digout with a depth greater than three inches. The surface course shall be 1-1/2 inches minimum thickness. No single base or intermediate course may exceed three inches.

For leveling courses under 1 inch using a D2 asphalt concrete, breakdown rolling shall consist of three coverages with an 8 to 12-ton pneumatic roller followed by a finishing coverage with a steel wheel roller. The rolling may begin with a single pass of a steel wheel roller until the pneumatic has sufficient opportunity to warm up to avoid tracking and picking up material from the mat. The pneumatic roller tires shall be treated with a non-petroleum-based product to prevent pickup. Failure to successfully provide for breakdown rolling with the pneumatic roller after a reasonable warm up time will be cause for termination of paving activities until the CONTRACTOR can provide equipment which will perform without pickup. For all other leveling courses, the intermediate roller shall be a 12-16-ton pneumatic roller.

From the second paragraph of Section 302-5.6.2 "Density and Smoothness" to the end shall be deleted and replaced by the following:

Sublots to determine compaction testing shall be based on the following:

- Each 750 tons, or part thereof, placed on an individual street in a paving day. If over 750 tons are placed in a single paving day on an individual street, up to 150 tons over 750 tons can be moved in to the previous 750 ton sublot.
- If multiple streets are paved in a day, each street will be considered its own sublot with multiple sublots on streets where greater than 750 tons are placed.

The in-place density shall be between **92.0 percent and 97.0 percent** of maximum theoretical unit weight. Compaction testing will be determined by cores. Three cores will be sampled per sublot. The average of the three cores will be used to determine compaction for the sublot.

Cores will be located by the engineer using random sampling charts in CTM 356. Cores shall be 4 or 6 inches in diameter and must be sampled within 5 calendar days of paving. The contractor will submit cores, properly labeled, to the engineer for testing. The engineer will provide core test results within 3 working days of receiving cores. Contractor shall backfill cores with hot mix AC the same day cores are taken. Failure to backfill on the same day will subject the Contractor to liquidated damages in the amount of \$250 per day per location.

For the percent of maximum theoretical density, the following table shall apply to deductions for average compaction of a sublot:

Mix Type B	Reduced	Mix Type B	Reduced
and C2	Payment	and C2	Payment
Percent of	Factor	Percent of	Factor
Maximum		Maximum	
Theoretical		Theoretical	
Density		Density	
92.0	0.0000	97.0	0.0000
91.9	0.0125	97.1	0.0125
91.8	0.0250	97.2	0.0250
91.7	0.0375	97.3	0.0375
91.6	0.0500	97.4	0.0500
91.5	0.0625	97.5	0.0625
91.4	0.0750	97.6	0.0750
91.3	0.0875	97.7	0.0875
91.2	0.1000	97.8	0.1000
91.1	0.1125	97.9	0.1125
91.0	0.1250	98.0	0.1250
90.9	0.1375	98.1	0.1375
90.8	0.1500	98.2	0.1500
90.7	0.1625	98.3	0.1625
90.6	0.1750	98.4	0.1750
90.5	0.1875	98.5	0.1875
90.4	0.2000	98.6	0.2000
90.3	0.2125	98.7	0.2125
90.2	0.2250	98.8	0.2250
90.1	0.2375	98.9	0.2375
90.0	0.2500	99.0	0.2500
<90.0	Remove &		Remove &
	Replace		Replace

Reduced Payment Factors for Percent of Maximum Theoretical Density

The CONTRACTOR shall have hand-compaction equipment immediately available for compacting all areas inaccessible to rollers. Hand-compaction shall be performed concurrently with breakdown rolling. If for any reason hand-compaction falls behind breakdown rolling, further placement of asphalt concrete shall be suspended until hand-compaction is caught up. Hand-compaction includes vibraplates and hand tampers. Hand torches shall be available for rework of areas which have cooled.

After compaction, the surface texture of all hand work areas shall match the surface texture of the machine placed mat. Any course or segregated areas shall be corrected

immediately upon discovery. Failure to immediately address these areas shall cause suspension of asphalt concrete placement until the areas are satisfactorily addressed, unless otherwise allowed by the Engineer.

The CONTRACTOR shall have hand-compaction equipment immediately available for compacting all areas inaccessible to rollers. Hand-compaction shall be performed concurrently with breakdown rolling. If for any reason hand-compaction falls behind breakdown rolling, further placement of asphalt concrete shall be suspended until hand-compaction is caught up. Hand-compaction includes vibraplates and hand tampers. Hand torches shall be available for rework of areas which have cooled. After compaction, the surface texture of all hand work areas shall match the surface texture of the machine placed mat. Any course or segregated areas shall be corrected immediately upon discovery. Failure to immediately address these areas shall cause suspension of asphalt concrete placement until the areas are satisfactorily addressed, unless otherwise allowed by the Engineer.

8. <u>Sampling</u>

The Engineer may sample the asphalt concrete from the truck bed, windrow, hopper for the spreading machine, or the mat at various intervals. The CONTRACTOR shall facilitate the sampling process.

9. Temporary Transitions

The CONTRACTOR shall construct temporary pavement transitions at all paving joints greater than 1 inch prior to allowing traffic onto the paved surface. This includes both longitudinal and transverse paving joints for both leveling and surface courses. Temporary pavement transitions shall have a slope of 20:1 or as approved by the engineer and be constructed on Kraft paper or other suitable bond breaker such that upon removal of the temporary pavement transition, a clean notch remains. The temporary transitions may be constructed of either cold mix or hot mix.

The CONTRACTOR shall construct temporary pavement transitions at all PCC facility transitions greater than 1 inch around corners from beginning of curb return to end of curb return, at PCC cross gutters, and PCC spandrels.

The CONTRACTOR shall continuously maintain the temporary pavement until final paving. Each temporary transition shall be inspected by the CONTRACTOR and repaired as necessary to comply with these provisions at the end of each day including weekends and holidays.

Failure to comply with these provisions will result in a liquidated damage per day per transition and/or the cost of City crews making the repairs if necessary to correct for public safety.

10. Quality Control

The Contractor shall provide full time quality control during paving operations as outlined in the Caltrans 2010 Standard Specifications (Unrevised) for the Standard construction process.

910-04 Measurement and Payment

The measurement and payment for asphalt concrete "Asphalt Concrete (C2 PG 64-10)" and "Asphalt Concrete (D2 PG 64-10)", complete in place, will be made at the contract unit price **per ton** (U.S. standard measure, 2,000 pounds) as shown in the Bid Schedule for the various types of asphalt concrete. Asphalt concrete used in other items of work, including but not limited to "Remove and Replace AC (6" thick), shall be included in the respective bid items.

The above contract price and payment shall include full compensation for furnishing all labor, materials, tools, equipment, transportation and incidentals, and for doing all the work involved in constructing asphalt concrete pavement, tack coat, including leveling course, complete as detailed, and as specified in the Standard Specifications and these Special Provisions.

Contractor shall include in the unit price all costs relating to submitting the JMF including all testing costs for JMF verification and quality control testing. The unit price includes the cost of providing the Contractor's Quality Control Plan. The Contractor shall pay all the cost of coring if requested to verify density by cores. The City will pay cost of testing cores.

SECTION 911 – ASPHALT RUBBER HOT MIX (ARHM)

<u>911-01 Scope</u>

Asphalt-rubber hot mix shall conform to the specifications of 203-11 of the Standard Specifications, Asphalt Rubber Hot Mix (ARHM) Wet Process, except as modified herein. Placement of ARHM shall conform to Section 302-9 of the Standard Specifications except as modified herein.

911-02 Materials

1. Asphalt Rubber Binder

The binder to be mixed with the aggregate shall conform to Section 203-11.2 of the Standard Specifications. The asphalt binder base stock prior to blending shall be PG 64-16.

2. ARHM Mixtures

The ARHM mixture shall be ARHM-GG-D and shall comply with Section 203-11.3 "Composition and Grading" of the standard specifications with the following exception:

- 1. <u>Air Voids % Calif. Test 367 target shall be 3.5% and be produced in the</u> range of 2.0 to 5.0.
- 2. For design and production Hveem stability shall be a 23 min.
- 3. VMA for design and production shall be between 18.0% and 23.0%.

The crumb rubber used on the project must be at less 15%, originate and be manufactured in California. Asphalt rubber binder shall utilize both scrap tire and natural rubber and shall comply with the requirements set forth in 203-6.7 of the SSPWC.

3. Mix Design

The mix design shall be performed by the asphalt rubber supplier or an approved laboratory, and shall be used as the basis for determining the job-mix formula. The design method used shall be in accordance with Caltrans Hveem mix design methodology. The mixture design shall be submitted to the Engineer at least 10 days prior to construction. Based on information contained in the mixture design, the engineer shall approve a job-mix formula with the following tolerances allowed for single tests on aggregate gradation and asphalt-rubber binder content:

<u>Sieve Size</u>	JOB MIX TOLERANCE Percent Tolerance
3/8" No.4, No.8	+/- 5 +/- 5
No.30, No.40	+/- 5

No. 200	+/- 3
Asphalt-Rubber Binder Content	+/- 0.5

The mix design shall include sufficient test results and documentation to assure that all requirements for the aggregate and the asphalt-rubber binder are fulfilled.

The mix must have a minimum of 0.5% anti-strip. No warm mix additives permitted.

4. Job-Mix Formula

The mix design shall recommend the job-mix formula and shall list the following information:

- 1. Aggregate
- source and identification (for each material used)
- aggregate quality tests
- gradation (for each material used)
- blend percentage
- mixture gradation
- 2. Asphalt-Rubber
- source and grade of asphalt cement
- source and type of extender oil or modifier
- source and identification of ground rubber
- ground rubber percentage for the asphalt-rubber binder
- type and amount of additive(s), if required
- temperature when added to aggregate
- 3. Recommended asphalt-rubber binder content by both weight of total mix and weight of dry aggregate.
- 4. Recommended mixture production temperature.
- 5. Recommended lay down temperatures.
- 6. Compacted Unit Weight.

911-03 Proportioning

Subsections 203-6.5.1 and 203-6.5.2 shall be modified by adding the following paragraph:

Proportioning shall be performed using an automatic batching system, and the proportioning device shall be automatic to the extent that the only manual operation required for proportioning all materials shall be a single operation of a switch or starter.

Subsection 203-6.8 shall be modified as follows:

Asphalt-rubber binder shall be at a temperature not less than 375° Fahrenheit when added to aggregate. The temperature of the aggregate shall not be less than 325° Fahrenheit at the time of adding the asphalt-rubber binder.

911-04 Construction

ARHM shall conform to the specifications for Subsection 302-5 except as modified herein. Asphalt-rubber hot mix shall consist of one or more courses of an asphalt-rubber binder and graded aggregate as herein specified placed upon a prepared roadbed or base or over existing pavement. The courses shall be of the type of mixture and the dimensions shown on the Plans or Specifications.

The paving shall be performed in such a way as to not leave any longitudinal paving joints at the end of each day's operation. Transverse paving joints of the surface coarse and leveling course shall be at least 1 feet apart.

1. Tack Coat

Tack coat shall be applied to all existing asphalt concrete or Portland cement concrete surface to be paved over. All vertical edges to be paved against shall be tack coated. These include, but are not limited to, curb faces, gutter lips, swale edges, cross gutter edges, and asphalt concrete edges.

2. Cold Joints

All cold joints, both longitudinal and transverse, shall be heated with a torch immediately prior to paving. Care shall be exercised such as to not damage the ARHM by burning or excessive aging, as determined by engineer. Damaged material shall be removed by saw cutting to form a new cold joint followed by torch heating. Cold joints include previous passes placed more than three hours prior. All cold joints shall be tack coated.

3. Distributing Spreading

Section 302-5.5 is hereby modified as follows:

At the time of delivery to the work site, the temperature of ARHM shall be between 310° Fahrenheit and 350° Fahrenheit. The ambient air temperature and pavement temperature shall be a minimum of 60°F at the time of spreading and distribution.

4. <u>Layout</u>

The CONTRACTOR shall layout and mark the location of the edges of the paving passes of the surface course to match the new layout of the lane lines. The layout shall be made at least 24 hours prior to paving. The layout shall be approved by the Engineer prior to paving.

If the striping is to remain unchanged, the edges of the paving passes shall conform to existing lane edges.

In all cases where practical, each lane shall be paved in a single pass. In tapered transition areas, the shoulder areas shall be paved first, then the through lane shall be hotlapped immediately after the shoulder paving.

For paving which incorporates new quarterpoints or gradebreaks due to keycuts or other conditions, the CONTRACTOR shall provide equipment capable of adjusting to the new surface profile at the appropriate locations. The profile adjustments shall be within twelve inches of the actual quarterpoint or gradebreak.

The CONTRACTOR shall take sufficient measurements during laydown to assure that the full design asphalt concrete layer depth is provided at each quarterpoint, gradebreak, or transition. Failure to provide the design depth at these areas will result in rejection of the work. Correction of this rejected work will include milling out the new asphalt concrete from the road edge to the centerline or nearest inside lane line and repaving. The minimum length of the milled and corrected area shall be fifty feet.

5. Tolerances

The finished asphalt concrete surface shall be flush with, to 1/4 inch (0.02 feet or 6 mm) above the gutter lips. The finished pavement surface shall not be lower than the gutter lips.

The average pavement thickness shall be equal to the specified thickness for the project. The minimum allowable thickness will be 1/4 inch less than that specified.

The provisions of Section 302-5.6.2 shall apply and shall be modified to provide that the straightedge shall be 12 foot in length.

6. Rolling and Compaction

Section 302-9.5 is hereby modified as follows:

A vibratory roller shall be used for initial breakdown rolling. The initial breakdown rolling shall be completed before the asphalt-rubber hot mix temperature falls below 275 Fahrenheit measured immediately in front of the roller. Pneumatic rollers shall not be used. The CONTRACTOR shall provide sufficient rollers to assure complete compaction before the mixture reaches 160 Fahrenheit. If the CONTRACTOR at any time fails to meet this criteria, placement of additional asphalt concrete shall be suspended until compaction is completed on the material previously placed.

Breakdown rolling shall commence when the asphalt concrete is placed. Rolling shall be accomplished with the drive wheel forward and with the advance and return passes in the same line.

On areas where the underlying material appears to be wet or soft or where it deflects under wheel loads, the Contractor shall employ excavation and work techniques which do not worsen the sub-grade condition. From the second paragraph of Section 302-5.6.2 "Density and Smoothness" to the end shall be deleted and replaced by the following:

Sublots to determine compaction testing shall be based on the following:

- Each 750 tons, or part thereof, placed on an individual street in a paving day. If over 750 tons are placed in a single paving day on an individual street, up to 150 tons over 750 tons can be moved in to the previous 750 ton sublot.
- If multiple streets are paved in a day, each street will be considered its own sublot with multiple sublots on streets where greater than 750 tons are placed.

The in-place density shall be between **92.0 percent and 97.0 percent** of maximum theoretical unit weight. Compaction testing will be determined by cores. Three cores will be sampled per sublot. The average of the three cores will be used to determine compaction for the sublot.

Cores will be located by the engineer using random sampling charts in CTM 356. Cores shall be 4 or 6 inches in diameter and must be sampled within 5 calendar days of paving. The contractor will submit cores, properly labeled, to the engineer for testing. The engineer will provide core test results within 3 working days of receiving cores.

Contractor shall backfill cores with hot mix AC the same day cores are taken. Failure to backfill on the same day will subject the Contractor to liquidated damages in the amount of \$250 per day per location.

For the percent of maximum theoretical density, the following table shall apply to deductions for average compaction of a sublot:

Mix Type	Reduced	Mix Type	Reduced
ARHM	Payment	ARHM	Payment
Percent of	Factor	Percent of	Factor
Maximum		Maximum	
Theoretical		Theoretical	
Density		Density	
92.0	0.0000	97.0	0.0000
91.9	0.0125	97.1	0.0125
91.8	0.0250	97.2	0.0250
91.7	0.0375	97.3	0.0375
91.6	0.0500	97.4	0.0500
91.5	0.0625	97.5	0.0625
91.4	0.0750	97.6	0.0750
91.3	0.0875	97.7	0.0875
91.2	0.1000	97.8	0.1000
91.1	0.1125	97.9	0.1125

Reduced Payment Factors for Percent of Maximum Theoretical Density

Mix Tures	Deduced		Deduced
Mix Type	Reduced	Міх Туре	Reduced
ARHM	Payment	ARHM	Payment
Percent of	Factor	Percent of	Factor
Maximum		Maximum	
Theoretical		Theoretical	
Density		Density	
91.0	0.1250	98.0	0.1250
90.9	0.1375	98.1	0.1375
90.8	0.1500	98.2	0.1500
90.7	0.1625	98.3	0.1625
90.6	0.1750	98.4	0.1750
90.5	0.1875	98.5	0.1875
90.4	0.2000	98.6	0.2000
90.3	0.2125	98.7	0.2125
90.2	0.2250	98.8	0.2250
90.1	0.2375	98.9	0.2375
90.0	0.2500	99.0	0.2500
<90.0	Remove &		Remove &
	Replace		Replace

The CONTRACTOR shall have hand-compaction equipment immediately available for compacting all areas inaccessible to rollers. Hand-compaction shall be performed concurrently with breakdown rolling. If for any reason hand-compaction falls behind breakdown rolling, further placement of asphalt concrete shall be suspended until hand-compaction is caught up. Hand-compaction includes vibraplates and hand tampers. Hand torches shall be available for rework of areas which have cooled.

After compaction, the surface texture of all hand work areas shall match the surface texture of the machine placed mat. Any course or segregated areas shall be corrected immediately upon discovery. Failure to immediately address these areas shall cause suspension of asphalt concrete placement until the areas are satisfactorily addressed, unless otherwise allowed by the Engineer.

7. <u>Sampling</u>

The Engineer may sample the asphalt concrete from the truck bed, windrow, hopper for the spreading machine, or the mat at various intervals. The CONTRACTOR shall facilitate the sampling process.

8. Intersections

Where asphalt concrete overlay work is required on a through street at an intersection without a concrete cross gutter, the overlay on the cross street shall extend to the ECR return where a keycut will be made transverse to the cross street as noted on the Plan or as directed by the City Inspector. Transverse keycuts shall be completed from curb to curb or gutter to gutter as applicable.

9. Rock Dust Blotter

A rock dust blotter will be required and shall be applied in accordance with Section 302-9.6 at a rate of approximately three pounds per square yard. The cost of this application will be borne by the CONTRACTOR.

10. <u>Temporary Transitions</u>

The CONTRACTOR shall construct temporary pavement transitions at all paving joints greater than 1 inch prior to allowing traffic onto the paved surface. This includes both longitudinal and transverse paving joints for both leveling and surface courses. Temporary pavement transitions shall have a slope of 20:1 or as approved by the engineer and be constructed on Kraft paper or other suitable bond breaker such that upon removal of the temporary pavement transition, a clean notch remains. The temporary transitions may be constructed of either cold mix or hot mix.

The CONTRACTOR shall continuously maintain the temporary pavement until final paving. Each temporary transition shall be inspected by the CONTRACTOR and repaired as necessary to comply with these provisions at the end of each day including weekends and holidays.

Failure to comply with these provisions will result in a liquidated damage of \$250 per day per transition and/or the cost of City crews making the repairs if necessary, to correct for public safety.

911-05 Measurements and Payments

"ARHM (GG_D PG 64-16)" overlay will be measured and paid for at the contract unit price per ton (U.S. standard measure, 2,000 pounds). The unit price paid per ton (U.S. standard measure, 2,000 pounds) includes all costs for saw-cutting, pavement preparation, furnishing and placing materials required, including rock dust blotter, and all labor, equipment, sweeping, tools and incidentals needed to complete the work in place per plans, specifications and details.

No payment will be made for quantities of ARHM which exceed 110% of the calculated quantity required to cover the area shown on the plans in compliance with the approved mix design.

SECTION 912 - ROADWAY PULVERIZATION AND LIME/CEMENT TREATMENT

912-01 General

Work to be performed under this Section covers all labor, materials, tools, equipment and incidentals necessary to cement & quicklime/cement-treat subgrade to a depth specified. All such work shall conform to the Standard Specifications (Greenbook 2015), and these Special Provisions.

912-02 Materials

Where quicklime/cement treatment is specified, the quicklime and/or cement content of the subgrade shall be determined by the Contractor and submitted to the Engineer for approval.

912-03 Definitions

Lot: 3,000 sy of FDR or fraction thereof constructed in the same day.

- ERA: Emulsified Recycling Agent
- FDR: Full Depth Reclamation

912-04 Submittals

Submit each FDR – Quicklime/Cement mix design on a form generated specifically for FDR – Quicklime/Cement. Each mix design submittal must be sealed and signed by an engineer who is registered as a civil engineer in California.

You may submit multiple mix designs to optimize the quicklime/cement content and adjust for varying underlying materials in order to provide field adjustment during construction.

Each mix design submittal must include:

- 1. Area represented by the mix design by beginning and ending stations
- 2. Gradation of the mixture before addition of cement
- 3. Cement content in percent by weight of the dry mixture, if supplementary aggregate is specified
- 4. Moisture content of the material when mixing, relative to OMC
- 5. Test results and any worksheets, photographs and graphs

912-05 Mix Design

The Contractor shall sample materials on-site and develop a mix design to determine the total percentage of quicklime/cement to obtain a minimum **Unconfined Compressive Strength of 300 psi.**

The mix design must include 7-day cured unconfined compressive strength tests on specimens with at least 3 Quicklime/Cement contents using the proposed quicklime/cement at optimum moisture content. The quicklime/cement contents must be one percent above the specified content, specified content, and one percent below the specified content by dry weight of the composite material. Manufacture

3 specimens for each quicklime/cement content and average the results for each. Plot the average 7-day compressive strengths on the ordinate versus the quicklime/cement contents in percent on the abscissa on a graph. Indicate the quicklime/cement contents from the line corresponding to the minimum and maximum 7-day compressive strengths from the specified range.

Notify the Engineer at least 2 business days before sampling the material to develop the mix design(s).

Use materials from the specified mixing depth. If any portion of existing asphalt concrete pavement is to be removed before pulverizing, remove that portion of asphalt concrete pavement from the samples used in the mix design. If additional samples of subgrade material are needed, sampling locations can be excavated outside the edge of pavement to variable dimensions. Characterize and record sampling location features such as layer thicknesses and types, distresses, interlayers, thin or thick areas, digouts and adhesion to the base. Use the sampled material to determine the mix design represented by the sampling location, according to the proportions of the pavement structure shown.

Before opening the mix design sampling locations to traffic, backfill sampling locations by replacing and compacting with an authorized material or minor HMA that complies with section 39 Hot Mix Asphalt (HMA). Backfill and compact to the existing grade and thickness of asphalt concrete pavement, in the Engineer's presence

912-06 Construction

1. General Application

The quicklime/cement-treatment application and construction shall be performed in accordance with the Standard Specifications, except as noted. The maximum treatment and lift thickness shall be 12-inches.

The spread rate shall be confirmed on each lift for each row of cement and/or quicklime application until uniformity is confirmed to the Engineer's satisfaction. Thereafter, the Engineer shall confirm cement and/or quicklime application as needed to confirm uniformity.

Special instructions for construction timing on quicklime/cement subgrade treatment streets:

The contractor shall not commence work on quicklime/cement subgrade treatment streets until there is a forecasted two-week (14 calendar day) window of dry weather (0% precipitation). The contractor must complete all paving work within the two-week window. Paving work consists of pulverizing existing pavement, base, and native sections, removal of the existing pavement section, quicklime/cement treatment of the underlying subgrade, and placement of the AC base course and ARHM surface course as shown on the plans. The schedule

for this work will be reviewed and approved by the City prior to the commencement of work.

2. Quality Control

Assign a ground supervisor whose sole purpose is to monitor the activities, advise project personnel and interface with the quality control testing personnel. The ground supervisor must not have any sampling or testing duties. During the FDR operation, the ground supervisor must have knowledge and a minimum of two years experience with the FDR construction. The ground supervisor must be familiar with the mix design(s) for this project and will be able to make field adjustment during the construction on an as needed basis to account for varying structural section and materials. The Engineer or Engineer's Representative (QA) must be notified prior to field adjustments. All field adjustment must be recorded, but is not limited to the following items: date, time, location (with ending and starting stations), the type of field adjustment, and reasons for the field adjustment must be recorded and submitted to the Engineer.

Test the quality characteristics for the following:

FDR – Quicklime/Cement Quality Characteristic Sampling Locations and Testing Frequencies

Quality Characteristics	Test Method	Minimum Sampling and Testing Frequency	Sampling Location
Gradation	CT 202	Test Strip and 1 per Lot	Loose Mix Behind Mixer
Unconfined Compressive Strength	ASTM D 1633	Test Strip and 1 per Lot	Loose Mix Behind Mixer ^a
Laboratory Maximum Wet Density	CT 216	Test Strip and 1 per Day or 1 per Street or 1 per Changes to the Material (whichever is more)	Loose Mix Behind Mixer
Relative Compaction	CT 231	10 Points per Test Strip and Lot ^b	Compacted Mix

^a Sample immediately after mixing is complete

^b Lot size is defined as 3,000 squared yards.

The first day of the FDR construction could be accepted as the test strip. Measure and record the actual cut depth at both ends of the pulverizing drum at least once every 300 feet along the cut length. Take measurements in the Engineer's presence.

3. Compaction

Compact in 12-inch maximum lifts to 95 percent relative compaction per CT 231.

The maximum compacted thickness of a single layer may be increased provided the Contractor can demonstrate to the Engineer that the equipment and method of operation will provide uniform distribution of the quicklime/cement and the required compaction density throughout the layer.

4. Tolerances

Completed quicklime/cement subgrade treated section after compaction and trimming shall be equal to the design thickness. The minimum thickness shall be the design thickness minus 1 inch.

Thickness/Uniformity Verification - Immediately after trimming and compaction are completed, excavate test pits. At locations selected by Engineer, excavate a test pit for each 3,000 square yard of treated area. Test pits shall be 1 ft. by 1 ft. minimum, to verify the thickness of the Quicklime/Cement-treated section. Backfill with Quicklime/Cement-treated material and compact immediately after verification.

5. <u>Curing</u>

If not covered by asphalt concrete or aggregate base within 48 hours, the exposed stabilized soil subgrade shall be covered with SS-1h within 24 hours of completing quicklime/cement stabilization. The emulsion seal can be waived if the contractor can provide a method to keep the FDR layer moist to provide adequate quicklime/cement hydration and dust control up to the time the FDR area is paved.

6. Protection

Contractors shall maintain the subgrade in a smooth, compacted condition until placement of aggregate or hot mix asphalt. Any damage to the treated subgrade shall be repaired by immediately replacing with AC material within 24 hours after damage. After compaction of the FDR layer, only rubber-tired vehicles or paving equipment shall be permitted on the treated surface.

7. Engineer's Acceptance

For the unconfined compressive strength, the following table shall apply to deductions for average unconfined compressive strength of a lot:

Average Unconfined Compressive Strength per Lot [psi]	Reduced Payment Factor	
> 299 ^a	0.00	
250 – 299	0.05	
200 – 249	0.15	
< 200	Remove and Replace	

^a No individual unconfined compressive strength shall be below 200 psi.

912-07 Measurement and Payment

The contract price paid **per square foot** for "Lime/Cement Treat 10" Subgrade", and "Lime/Cement Treat 15" Subgrade" shall include full compensation for furnishing all

labor, materials, tools, equipment, and incidentals, mix design preparation, providing quality control, and for doing all the work involved in Lime/Cement Subgrade Treatment, complete in place, including breaking-up, mixing, spreading, compacting, trimming, curing, and protecting treated soil, as shown on the plans, as specified in the Standard Specifications and in these special provisions, and as directed by the Engineer.

The contract price paid **per square foot** for "Pulverize 15-1/2" Existing Section and Recompact" and "Pulverize 15" Existing Section and Recompact" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in pulverization and grading, recompacting, complete in place, as shown on the plans, as specified in the Standard Specifications and in these special provisions, and as directed by the Engineer.

"Lime/Cement" for Quicklime & Cement Treat shall be paid for by the ton separately from "Lime/Cement Treat 10" or 15" Subgrade".

The quantity of lime and cement is subject to increased or decreased quantity and will be the difference between the specified theoretical quantity of lime and cement and the quantity of lime and cement used.

SECTION 913 – LOWERING & ADJUSTING OF UTILITY COVERS

913-01 Scope

Utility locations are not indicated on the plans beyond the location of utility lids within the existing roadway. It shall be the responsibility of the Contractor to work with the local utility companies and to locate all underground utility service lines within the limits of all excavations. All necessary work to relocate, adjust or rearrange utilities shall be performed by the respective utility company prior to excavation by the Contractor. The Contractor shall schedule potholing and location of underground utility conflicts sufficiently in advance of the construction to permit the Engineer to make adjustments to the plans or to allow the various utility companies to adjust the conflicting utility lines, as appropriate.

The Contractor shall take reasonable care to protect existing underground utility service lines including curb drains from damage. Any damage caused by the Contractor's lack of reasonable care shall be repaired at the Contractor's expense. Contractor shall use extreme caution when working near street lighting or traffic signal conduit.

The Contractor shall be responsible for all direct and indirect costs associated with any delays or damage to work in progress, which is caused by ruptured or damaged utilities.

All utility boxes, vaults, and manholes, which will be covered or obscured by the construction, shall be referenced for future location by the Contractor. References shall be tied to two fixed objects, which also indicate the location and distance to the vault or cover.

913-02 Construction

Prior to cold planing on streets to have a uniform depth of the existing surface removed, all utility covers shall be lowered by the Contractor such that the cutting teeth of the planing machine passes over the adjusted lid without causing damage to the lid or frame. Contractor shall be responsible for maintaining any temporary asphalt fill material over these facilities until the final paving surface is installed. The Contractor shall clearly mark or reference lowered sanitary sewer and water valves in case emergency access is required by the agency responsible for operation of the sewer and water system.

Raising Manholes:

Manholes shall be adjusted to finish grade by the Contractor within 72 hours after the placement of the final surface paving on each individual street segment. If several lifts of pavement are to be placed, the manholes shall be raised by the utility company if the paving operation ceases for more than 72 hours as approved by the engineer.

Dirt, rocks or debris shall not be permitted to enter manholes or storm drain lines. When raising manhole adjustment by the Contractor involves excavation or concrete removal, a temporary cover shall be placed to prevent entry of material into the manhole, storm drain pipes.

913-03 Measurement and Payment

The contract unit price paid for "Lower Manhole Covers", "Lower Utility Cover", "Lower Survey Monument" "Lower Water/Gas Valve Covers", "Lower Loop Detector Covers", "Adjust Utility Covers", "Adjust Manhole Covers", "Adjust Survey Monument", "Adjust Loop Detector Covers", and "Adjust Water/Gas Covers", shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in lowering and raising utility frames and covers to grade, complete in place, including coordination with the utility companies, the Engineer, and City Surveyors, replacing disturbed monuments, salvaging existing or furnishing new utility frames and covers, concrete, mortar, and AC (type A), as shown on the plans, as specified in the Standard Specifications and these special provision, and as directed by the Engineer.

SECTION 914 – TRAFFIC STRIPING, MARKINGS, & SIGNS

914-01 Traffic Striping, Markings, & Signs

This work shall consist of installing/replacing all traffic stripes, legends, crosswalks, and limit lines and providing new STOP legends and bars in accordance with the current State of California Standard Plans (SSP). All traffic striping shall be paint except for crosswalks, which shall be thermoplastic. All striping shall be installed based on the latest standard specifications. This work also includes painting and/or repainting existing painted curb and curb markings with the same kind and color of paint, and as shown on the Plans and as directed by the Engineer.

914-02 Materials

<u>Paint</u>

Painting of pavement markings and striping shall be in accordance with Section 84 "Markings" of the State Standard Specifications, except that all traffic markings and striping constructed with Rapid Dry Paint shall be made in three (3) applications, three (3) days minimum between each application, each at the specified application rate. The first application shall be applied within five calendar days after completion of paving.

Green bike lane/box treatments shall be methyl methacrylate (MMA) traffic striping and marking product as listed on the California Department of Transportation Authorized Material List and conforming to the chromaticity requirements in the Federal Highway Administration (FHWA) Interim Approval for Optional Use of Green Colored Pavement for Bike Lanes (IA-14).

Thermoplastic

Thermoplastic shall be in accordance with Section 84 "Markings" of the State Standard Specifications.

Pavement Markers

Pavement markers shall meet the requirements of Section 82 "Signs and Markers" of the Standard State Specifications and shall be completed no later than seven calendar days after completion of paving.

Traffic Signs

Traffic signs shall be constructed in accordance with Subsection 82 "Signs and Markers" of the State of California Standard Specifications (SSS), the CAMUTCD and these special provisions. Roadside signs shall be furnished and installed at the locations shown on the plans or where directed by the Engineer. Sign panels shall be furnished by the Contractor, and shall conform to the State of California Traffic Sign Specifications. Traffic signs shall meet the minimum size requirements as indicated in the CAMUTCD and shall have High Intensity Prismatic Reflective Sheeting as manufactured by 3M Company, or approved equal. All stop (R1-1) and yield (R1-2)

signs shall have VIP (Diamond grade or Type 9) sheeting as manufactured by 3M or approved equal. In addition, all signs that have a fluorescent yellow or fluorescent yellow/green (school zone, pedestrian and bikeway signs) background shall have VIP sheeting.

914-03 Construction

The Contractor shall be responsible for compiling an existing striping and marking plan including but not limited to stop bars, legends, parking stall stripes, crosswalks and other traffic delineation markings within the project prior to removing, obliterating, covering any existing striping, or starting work on the affected street. This plan must be submitted to the Engineer and approved prior to commencing any striping and marking operations on the affected street.

All alignments and layout measurements, and other work necessary to locate and replace traffic stripes and pavement markings shall be performed by the Contractor.

The City will not provide any assistance, information, or materials to the Contractor. It will be entirely the responsibility of the Contractor to perform all necessary preconstruction and construction layout work, obtain all necessary measurements and information, and prepare all plans for performing the striping and marking work as specified. All traffic control systems necessary for performing striping and marking, as directed by the Engineer, shall be the responsibility of the Contractor.

The Contractor shall physically tie down the location of the beginning and ending of each paint marking type in the adjacent curb top. The marking location shall not exceed 50 square inches each. Any locations exceeding this limit shall be removed by the Contractor prior to acceptance of the work. The Contractor shall contact the Engineer for review of tie downs.

The Contractor shall be responsible for accurately referencing out and replacing the lines and positions of all traffic lines, directional lines, arrows, and other markings in accordance with the plans and City standard markings by cat tracking with painted marks. This shall occur no later than 2 hours behind the final surface course paving operation.

Cat tracking shall consist of stretching a rope on a straight line between control points on tangent alignment and on a true arc through control points on curved alignment and placing spots of paint along the rope. Temporary tab markers shall be placed not more than 12' apart on curves nor more than 24' apart on straight segments.

Temporary tab markers shall be the same color as the traffic stripe that they are replacing, shall measure 2" tall by 3-1/2" wide, and have a reflective lens across the width of the marker.

Prior to application of permanent striping and markers, the Contractor shall call for review and approval of the proposed striping by the City's Traffic Engineer or agent. The City shall have the right to make changes in the location and alignment of line

stripes. Striping and traffic markings shall not be applied until after approval is granted by the Traffic Engineer. The Contractor shall allow a minimum of 3 working days for review of the layout by the City.

It shall be the responsibility of the Contractor to "touch up" any striping, stop bars, legends or line striping that may wear out in-between coats of paint / thermoplastic due to raveling or premature wear to ensure public safety at no cost to the City. Contractor shall execute "Touch Up" at the engineer's request.

Paint for street traffic striping and pavement markings shall be a minimum of 3 applications. Pavement markings and striping shall consist of the following:

- a. The first application of paint shall consist of two (2) complete coats and shall be completed prior to the opening of each street.
- b. The second application of paint shall consist of three (3) complete coats and shall be completed between the fifth (5th) and tenth (10th) day following each street segment having the surface course placed.
- c. The third and final application of paint shall consist of three (3) complete coats of paint and shall be applied in the presence of the inspector and shall be subject to the Engineer's approval, the third and final coat shall be completed within not less than three (3) and not more than four (4) weeks of each street having the surface course placed.or the end of the Construction Period, whichever is sooner.

Raised pavement markers (RPM's) shall be placed as specified in Subsection 85-1.06, "Placement", of the Standard Specifications. When utilizing hot melt bituminous adhesive, RPM's shall be placed after the surface has been open to traffic for at least 7 days. When utilizing epoxy adhesive, RPM's shall be placed after the surface has been open to traffic for at least 14 days. Regardless of which adhesive is utilized, the RPM's shall not be placed more than 21 days after paving or surfacing.

Permanent traffic striping and markings including legends and arrows shall be placed within 21 days after paving or surfacing, unless otherwise directed by the Engineer.

Temporary yellow marking tape denoting school crosswalks shall be placed the same day that the pavement surfacing is placed.

Traffic signs shall be installed on a 1.75"x1.75" square perforated steel pole (painted green) or approved equal and inserted into a 2"x2"x36" anchor sleeve.

914-04 Measurement and Payment

Payment for traffic striping layout and placement of temporary tabs, removal of existing RPMs and grinding paint will be included in the unit price bid for each striping detail and no additional compensation will be allowed therefore.

Measurement and payment for traffic striping, characters, arrows, pavement markers, raised pavement markers, reflective pavement markers, road signs and delineators shall be paid on a unit cost basis as identified in the Bid Schedule.

Full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work involved with removing existing and placing painted pavement stripes and markings, including pavement markers, and temporary markings as specified in these Special Provisions, as shown on the plans and as directed by the Engineer, shall be considered as included in the **Contract Unit Price** for the various kinds of Traffic Striping, Markings & Signs identified **in the Bid Schedule**, no additional compensation will be allowed.

SECTION 915 – SHOULDER BACKING

915-01 Scope

This work shall consist of scarifying the existing shoulder material and placing additional material to bring the shoulder up to the new pavement surface as specified. All such work shall conform to the applicable provisions of the SSPWC, these Special Provisions; the plans and typical sections; and as directed by the Engineer.

915-02 Materials

Material for shoulder backing shall be Crushed Miscellaneous Base and shall conform to Sections 200-2.4 of the SSPWC. Pavement grindings shall not be used for shoulder backing material.

915-03 Construction

The existing shoulder shall be scarified sufficiently to provide bonding between the existing and new materials. The limit of scarification and new shoulder backing material shall be three feet from the edge of the new pavement surface. Shoulder material shall be moisture conditioned, placed, shaped, and compacted such that the new shoulder material is firm and does not displace under longitudinal shoulder traffic. The surface elevation of the compacted shoulder backing shall match the new pavement surface.

Existing roadside drainage patterns shall be maintained. Where unusual shoulder conditions not represented by the typical details are encountered, the Contractor shall notify the Engineer 24 hours in advance of shoulder work. The Engineer will specify the adjustments to be used to ensure that drainage patterns are maintained.

Shoulder backing shall start no sooner than three calendar days and shall be completed no more than seven calendar days after completion of the adjacent paving.

915-04 Measurement and Payment

Shoulder backing shall be paid on a lineal foot basis along the pavement edge. The unit cost bid for shoulder backing shall be considered full compensation for furnishing all labor, materials, tools, equipment, transportation, and incidentals; and for performing all of the work involved as detailed in the Standard Specifications, these Special Provisions, and the plans and typical sections. No additional compensation will be allowed therefor.

SECTION 916 – MISCELLANEOUS CONCRETE

916-01 General

This section pertains to existing and new concrete facilities including curbs, curbs and gutters, cross gutters, spandrels, sidewalks, access ramps, alleyway entrances, commercial and private driveways, and swales shall be removed and replaced or constructed at the locations indicated on the plans or as directed by the Engineer.

Curb ramps shall be per Caltrans Standard Specifications.

Any other work required to construct curbs and gutters, sidewalks, curb ramps, and/or driveways including, but not limited to, demolition, sawcutting, concrete removal, traffic control, aggregate base, aggregate base and/or compaction, and associated asphalt concrete pavement shall be considered incidental to the work and no additional compensation will be allowed.

916-02 Materials

1. Concrete Curb Ramps

Sawcut and remove existing concrete curb ramps to nearest existing joint and dispose of at recycle facility.

Compact subgrade to minimum 90% relative compaction.

Aggregate base under curb ramps shall meet the requirements of "Section 909 Aggregate Base" of these Special Provisions. Place and compact minimum 6" aggregate base to minimum of 95% relative compaction under limits of the curb ramps.

Concrete curb ramps shall be constructed of Class 520-C-2500 concrete (4" max slump).

Concrete Mix Design

The Contractor shall furnish a concrete mix design to the Engineer at least ten working days prior to the start of the work, based on the following guidelines:

The Contractor shall be responsible for all costs associated with the required mix design.

2. Truncated Domes (Cast-in-Place)

All curb ramps shall have detectable warning surface. The detectable warning surface and truncated domes shall conform to the requirements of these specifications and the details provided in the Standard Plans. The cost for placement of detectable warning surface shall be included in the unit price for curb ramp and no additional compensation will be made.

The detectable warning surface shall be prefabricated modules designed to be inserted in wet concrete. The color of the detectable warning surface shall be yellow per Caltrans Standards. The finished surfaces of the detectable warning surface shall be free from blemishes.

The manufacturer shall provide a written 5-year warranty for prefabricated detectable warning surface, guaranteeing replacement when there is defect in the dome shape, color fastness, sound-on-cane acoustic quality, resilience, or attachment.

Concrete curb ramps shall be constructed in accordance with the County of Santa Barbara Standard Plans and the Standard Plans for Public Works Construction. A copy of these Standard Plans are attached in the Appendix.

3. Quality Assurance Field Testing

Field testing shall include testing for concrete slump as per ASTM C-143 and compressive strength (C39). Such testing shall be at a frequency determined by the Engineer and shall be performed by the Owner's laboratory at the Owner's expense. The Contractor shall furnish the concrete necessary for casting test cylinders.

916-03 Construction

All work shall conform to the provisions of Section 303 of the Standard Specifications. All curb ramps and island passageways shall comply with the latest Standard Plans for Public Works Construction, 2018 Edition; and current CBC requirements.

All curb ramps shall meet current American with Disabilities Act (ADA) guidelines. The curb ramp limits will be from beginning of curb return to end of curb return. The ramp shall include the construction of the curb and gutter from beginning of curb return to end of curb return. The normal gutter line shall be maintained through the area of the curb ramp. Curb ramps shall not be less than forty-eight inches (48") wide and shall not have a slope greater than one inch (1") per twelve inches (12") in length. Curb ramps should be located within marked limits of crosswalks.

The existing concrete shall be sawcut full depth prior to removal. Any concrete broken due to the Contractor's failure to comply with these requirements shall be removed and replaced at the Contractor's expense.

The line and grade of the replaced facilities shall conform to the existing facilities. In most instances, this will consist of a straight line between existing facilities.

The Contractor shall water test all repaired curbs and gutters, cross gutters, and other repaired drainage facilities in the presence of the City's Inspector.

Commercial driveway and alley approaches, including the adjacent curb and gutter section, shall be removed and replaced within twenty-four hours. Curing time shall be seventy-two hours.

Contractor to saw and remove all concrete groove and replace with concrete and castin-place truncated domes.

1. Protection of Existing Facilities

The CONTRACTOR shall protect existing facilities from damage, and discoloration from concrete splash. Adjacent concrete facilities shall be covered during concrete placement to prevent concrete splash and excess concrete from staining the adjacent concrete. After initial placement, strikeoff and finishing, the protection shall be removed, and the adjacent concrete cleaned.

Vertical existing facilities such as light poles, walls, etc. shall be protected with plastic extending a minimum of three feet above the concrete surface. After initial placement, strikeoff and finishing, the protection shall be removed, and the vertical surfaces cleaned.

2. Subgrade

After the subgrade is prepared, moisture conditioned, and compacted to 90% relative compaction at zero to three percent over optimum, the Contractor shall continuously maintain the sub-grade in a uniform condition at the moisture content obtained during sub-grade compaction until the concrete is placed.

3. <u>Forming</u>

Wooden forming shall be of two-inch nominal thickness staked at two-foot intervals. The maximum gap at the bottom of the forms shall be 1-3/4 inches.

4. Tolerances

The maximum variation from design elevation shall not exceed +/- 0.02 feet. In some instances, particularly in critical drainage areas, tolerances may be reduced to zero. Concrete facilities shall be installed to maintain or provide positive drainage. Questions regarding applicable tolerances shall be directed to the Engineer forty-eight hours in advance of the work.

When shown on the drawings, the concrete shall be set at the design elevations. When existing facilities are to be removed and replaced, they shall conform to the existing elevations and grades. Generally, this will be at a straight line between the start and end points of the removal.

5. Placing and Finishing

The concrete shall be deposited on a moist grade in such a manner as to require as little re-handling as possible. Workmen shall not be allowed to walk in the freshly mixed concrete with boots or shoes coated with earth or foreign substances.

6. Strikeoff, Consolidation, and Finishing

In general, adding water to the surface of the concrete to assist in finishing operations shall not be permitted.

Before final finishing is completed and before the concrete has taken its initial set, the edges shall be carefully finished with the radius shown on the plans or a radius to match the existing construction.

Concrete shall be thoroughly consolidated against and along the faces of all forms and adjacent concrete. After the forms are removed, excess concrete below the form surface shall be removed to be flush with the form face.

All new concrete shall match existing facilities in texture, color, and appearance.

7. <u>Concrete Protection</u>

The Contractor shall always have materials available to protect the surface of the fresh concrete against rain. These materials shall consist of burlap, curing paper, or plastic sheeting. If plastic sheeting is used, it shall not be allowed to contact finished concrete surfaces.

The Contractor shall also protect the concrete against traffic and vandalism. If the concrete is damaged or vandalized, the Contractor shall make the necessary repairs at its own expense. The repair procedure for damaged or vandalized concrete shall be approved in advance by the Engineer.

8. <u>Curing</u>

Concrete shall be cured by protecting it against loss of moisture, rapid temperature change, and mechanical injury for at least three days after placement. White or clear liquid membrane compound shall be used. After finishing operations have been completed, the entire surface of the newly placed concrete shall be covered by the curing medium. The edges of the concrete exposed by the removal of forms shall be protected immediately to provide these surfaces with continuous curing treatment.

The concrete shall be allowed to cure for seventy-two hours prior to placing adjacent asphalt concrete.

9. <u>Joints</u>

Control joints shall be placed at a maximum spacing of ten feet. Control joints in all PCC facilities, except sidewalks, shall be formed by tooling a deep joint or by using expansion joint material. If expansion joint material is used, a minimum of two 1/2 inch by eighteen-inch dowels shall be used with additional dowels placed every twenty-four inches.

Control joints in sidewalks may be made using a tooled joint which shall extend a minimum of 1/4 of the depth of the concrete and shall not be less than 1-1/2 inches in depth.
Expansion joints shall be required at a maximum of forty-foot intervals on curbs, curbs and gutters, cross gutters, swales, and sidewalks. Expansion joints shall also be required on all corners of curbs, curbs and gutters, sidewalks, at the outside boundary of access ramps, and other locations with discontinuities or reentrant corners which may cause cracking.

10. Cleanup and Backfill

After the concrete is placed, cured, and the forms have been removed, the Contractor shall clean the site of all concrete and forming debris. The aggregate base shall be replaced to match the existing base and compacted to 95% relative compaction. The pavement shall be restored in accordance with Section F2-6 Digouts or Remove & Replace and Cold Plane & Replace, of these Special Provisions. A minimum of two lifts shall be used, none of which shall exceed three inches, and the top lift shall be a minimum of 1-1/2 inches thick. The total thickness of the restored pavement shall match that of the existing pavement.

For pavements to be overlayed or resurfaced, the aggregate base and asphalt concrete may be replaced with cement sand slurry in conformance to Section 201 of the Standard Specifications, or Controlled Low Strength Material (CLSM). After curing has been completed and the forms have been removed from the new curb and gutter or sidewalk, the void between the new concrete and the existing parkway shall be filled with clean native material and the entire parkway left in a clean and orderly condition. For concrete removed but not replaced, the resulting void after excavation shall be backfilled with clean native material unless noted.

11. Measurement and Payment

Measurement and payment for miscellaneous concrete shall be paid on a unit cost basis as identified in the Bid Schedule. These include "Construct Caltrans Type B Ramp", "Construct Caltrans Type C Ramp", "Remove and Replace PCC Curb Ramp", "Remove and Replace 4" PCC Sidewalk", "Remove and Replace Curb and Gutter", "Remove and Replace Through Curb Drain", and "Remove and Replace C&G Spandrel", as shown on plans, as specified in the Standard Plans for Public Works Construction, and Standard Specifications. This work shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals for doing all work involved in constructing concrete features, including but not limited to subgrade preparation, supplying and placement of 6" thick aggregate base, asphalt concrete removal and curb ramp construction work, portland cement concrete removal and replacement including curb, gutter, and sidewalk, detectable warning surface and truncated domes, retaining curbs, dowels, reinforcement materials, relocating and resetting signs, associated traffic control, and coordination with utility agencies, and all work as may be required by the Contract Documents, as specified herein, and as directed by the Engineer.

Payment for ""Construct Median Island Type "C" Passageway" and "Construct Caltrans Type F Ramp" shall be at the contract unit price per each listed in the bid schedule. This work shall include full compensation for furnishing all labor, materials, tools,

equipment, and incidentals for doing all work involved in constructing curb ramps, including but not limited to subgrade preparation, supplying and placement of 6" thick aggregate base, asphalt concrete removal and curb ramp construction work, portland cement concrete removal and replacement including curb, gutter, and sidewalk, detectable warning surface and truncated domes, retaining curbs, dowels, reinforcement materials, relocating and resetting signs, associated traffic control, and coordination with utility agencies, and all work as may be required by the Contract Documents, as specified herein, and as directed by the Engineer. The cost to construct curb ramps shall include associated curb and gutters and adjacent sidewalk and driveway areas reconstructed to match grade with, or damaged by reconstruction of, new access ramps. Asphalt Concrete replaced in front of access ramps, shall be considered as included in the contract unit price paid per each access ramp and no additional compensation will be allowed.

The above contract unit costs shall be considered full compensation for furnishing all labor, materials, tool, equipment, incidentals and for doing all the work involved in performing complete in place, including sawcutting, base and native material removal, excavation and hauling, grading, and disposing of excess material, as shown on the plans, as specified in the Standard Specifications and as directed by the Engineer. The cost of restoring the adjacent pavement shall be included in the unit cost of the work. No additional compensation will be allowed therefor.

END OF SECTION 916

<u>917-01 Scope</u>

Work to be performed under this Section covers all labor, materials, tools, equipment, transportation, and incidentals necessary to replace existing loop detectors at various street intersections. It is anticipated that all the existing loop detectors at the intersections will be damaged by the proposed pavement cold planing and removal of surfacing and base. Loop detectors at cross streets may also be affected and shall be replaced to reestablish a functioning traffic signal system.

917-02 Materials

Unless otherwise allowed by the Engineer, all replaced signal loops shall be 6 foot diameter circular loops (Type E). Loop wire shall be Type I.

All such work shall conform to the details and provisions of the State of California, Department of Transportation's Standard Plans and Section 307, "Street Lighting and Traffic Signals," of the Standard Specifications, 2012 Edition, and these Special Provisions, except that Subsection 307-5.4, "Payment," is modified herein.

917-03 Construction

All traffic signal loop replacements shall be installed per City of Santa Clarita Standard Plan, Loop Detector Layout Detail and Los Angeles Standard Plan, Bicycle / Vehicle Loop Detector Installation, Winding Detail of the Loops, shown on the plans.

The proposed locations of the replaced signal loops detectors shall be marked in the field and approved by the Engineer prior to installation.

Maintaining the traffic signals during construction shall be a part of this work.

Temporary Traffic Loops shall be installed at locations shown on the plans prior to cold planing. Contractor shall not disconnect loop detectors in operation until replacement with Temporary Traffic Loops. Failure to install temporary loops or follow this schedule will result in liquidated damages of \$2,000 per loop detector. Failure will cause the work to be performed by City forces and the Contractor back charged for the work.

Prior to initiating any work on the street which contains the signal loop detectors, the CONTRACTOR shall prepare drawings of all signal loops in the affected work area. The drawing shall show the size and location of the existing loops, routing of wiring, and proposed replacement location.

Where the sump of an existing pull box is disturbed by the CONTRACTOR's operations, the sump shall be reconstructed and, if the sump was grouted, the old grout shall be removed and new grout placed.

The CONTRACTOR shall test the detectors with a motor-driven cycle, as defined in the California Vehicles Code that is licensed for street use by the Department of Motor Vehicles of the State of California. The unladen weight of the vehicle shall not exceed 220 pounds and the engine displacement shall not exceed 100 cubic centimeters. Special features, components or vehicles designed to activate the detector will not be permitted. The CONTRACTOR shall provide an operator who shall drive the motor-driven cycle through the response or detection area of the detector at not less than 3 miles per hour nor more than 7 miles per hour.

Traffic loops will be disconnected or connected by the CONTRACTOR. The CONTRACTOR shall notify the Engineer 24 hours prior to any detector being disconnected or connected. Timing adjustments shall be made by City traffic personnel.

917-0 4 Measurement and Payment

Traffic loops shall be measured and paid for at the contract unit price per each loop detector replaced.

The unit price paid per each "Install Temporary and Permanent Traffic Loops" shall include all costs associated with underground conduit, wiring, pull boxes and vaults, signal loops, connections, elastomeric sealer, testing, etc. required to remove and install the replacement loop in accordance with Caltrans standards. Traffic loops shall be round.

END OF SECTION 917

SECTION 918 REMOVE AND REPLACE ASPHALT CONCRETE (AC)

918-01 General

The work of Remove & Replace Asphalt Concrete (AC) consists of removing the existing asphalt concrete and base if necessary to the specified depth by cold planing and replacing the void with asphalt concrete. Digouts shall be constructed as indicated on the plans and immediately after cold planing operations so that the asphalt concrete levelling (base course) can be placed on the milled surface in the same shift.

918-02 Materials

Asphalt concrete for Remove and Replace AC shall be C2 and conform to Section 910. Asphalt concrete binder shall be C2 PG 64-10 (dense medium coarse) per Table 203-6.4.4 unless specified on the plans or approved by the engineer.

918-03 Construction

The Engineer shall mark the locations of each digout based on the plans and observations after the full-width milling operations have been completed. The CONTRACTOR shall accompany the Engineer during markings of the digouts/base repair areas and the marked, measured and agreed on areas will constitute the final pay quantity.

After completion of the full-width milling operations, the asphalt concrete within the marked digout/base repair areas shall be removed to a uniform depth as specified. The edges of the removal area shall be saw cut or vertical grind. Any removed material shall be removed from the site.

If base rock is exposed, the surface shall be compacted and proof-rolled in the presence of the Engineer or designated representative. The pavement area shall be cleaned and tack coated in accordance with Section 907. Asphalt concrete shall be placed and compacted as specified in Subsection 302-5 of the Standard Specifications.

At areas where the underlying material appears to be wet or soft, or where it deflects under wheel loads, the CONTRACTOR shall employ excavation and grading techniques which do not worsen the subgrade condition.

Prior to placing asphalt concrete, the area shall be proof-rolled with a loaded construction vehicle, preferably a ten cubic yard dump truck or equivalent. The compacted surface shall not visibly yield or deflect. Soft, yielding, unstable, or unsuitable areas shall be removed and replaced with base rock or asphalt concrete. If the areas were caused or significantly worsened by the CONTRACTOR's operations, these areas shall be replaced at the CONTRACTOR's expense.

In the event that the underlying material is soft, yielding, unstable, or unsuitable, it shall be excavated to the depth of 6 inches below the initial digout/base repair depth required above and disposed of in accordance with these Special Provisions. The limits of removal shall be designated by the Engineer. The resulting space shall be filled with a single lift of asphalt concrete and compacted according to Section 302-5.6.2 of the Standard Specifications. Payment for removing unsuitable subgrade and replacing with asphalt concrete pavement will be made under the Bid Item "6" **Deep Lift Stabilization** (Allowance)". "6" Deep Lift Stabilization (Allowance)" shall be considered an allowance as it is not known if unsuitable subgrade requiring over-excavation will be encountered during construction.

Unsuitable material is defined as material the Engineer determines to be:

- 1. Of such unstable nature as to be incapable of being compacted to specified density using ordinary methods at optimum moisture content, or
- 2. Too wet to be properly compacted and circumstances prevent in-place drying prior to incorporation into the work, or
- 3. Otherwise unsuitable for the planned use.

Remove only what can be replaced during the same work period. For streets that call for an ARHM surface course the CONTRACTOR shall coordinate the schedule and timing of placing the ARHM. The AC base course and any intermediate AC courses shall be placed during the same work period.

918-04 Payment

Payment for "**Remove and Replace AC (6**" thick)" complete in place, will be made at the contract unit price bid **per square foot** for the respective items. Such payment shall be considered full compensation for furnishing all labor, material, asphalt concrete, tack coat, tools, and equipment necessary to complete the work including the removal and proper disposal of the excavated material, in accordance with the Standard Specifications and these Special Provisions. Sawcut shall be incidental to the work.

Section 3-2.2.2 "Increases of More Than 25 Percent" and Section 3-2.2.3 "Decreases of More Than 25 Percent" shall not apply to the bid items related to removing and replacing pavement or digouts.

Measurement and Payment for "6" Deep Lift Stabilization (Allowance)" shall be paid per square foot, as indicated in the bid schedule. The unit costs shall include full compensation for sawcut, removal of unsuitable subgrade and placement and compaction of six (6") inches of asphalt concrete (AC). Payment for this item shall only be made on an allowance basis and only for the work completed. The Contract shall have no claim to that portion of the allowance which is not necessary for the project.

END OF SECTION 918

APPENDIX A

STANDARDS

- 1. City of Goleta Standards / County of Santa Barbara Standard Plans
 - 1-010 General Street Specifications
 - 4-000 Curb and Driveway Index
 - 4-010 Curb and Driveway General Notes
 - 4-030 Curbs and Gutters
 - 5-000 Sidewalk and Ramp Index
 - 5-010 General Sidewalk Notes
 - 5-040 Sidewalk Details
 - 5-045 Sidewalk Transitions
 - 5-050 Sidewalk Utilities
- 2. Green Book Standard Plans
 - 101-2 Above-Ground Utilities Location in Parkway
 - 112-2 Curb and Sidewalk Joints
 - 120-2 Curb and Gutter / Barrier
- 3. Caltrans Standard Plans
 - A88A Curb Ramp Details
- 4. Sample Door Hanger
- 5. Temporary No Parking Sign

1. CITY OF GOLETA STANDARDS / COUNTY OF SANTA BARBARA PLANS

1. COUNTY STANDARD PLANS AND SPECIFICATIONS SHALL INCLUDE THE CURRENT VERSIONS OF CALTRANS STANDARD PLANS AND SPECIFICATIONS AND APWA STANDARD PLANS AND SPECIFICATIONS FOR SOUTHERN CALIFORNIA. IF THERE IS A CONFLICT BETWEEN THESE STANDARD PLANS AND SPECIFICATIONS, THE COUNTY STANDARD DETAILS SHALL GOVERN ON COUNTY ROADS. CALTRANS PLANS SHALL HAVE PRECEDENCE OVER APWA PLANS UNLESS SPECIFICALLY STATED OTHERWISE.

2. CONSTRUCTION PLANS SHALL BE PREPARED IN ACCORDANCE WITH DEPARTMENT OF PUBLIC WORKS ENGINEERING DESIGN STANDARDS OR CURRENT CALTRANS STANDARD PLANS AND SPECIFICATIONS.

3. COMMENCEMENT OF CONSTRUCTION SHALL NOT BE AUTHORIZED UNTIL SUCH TIME THAT THE CONSTRUCTION PLANS HAVE BEEN REVIEWED BY THE DIRECTOR OF PUBLIC WORKS AND AN ENCROACHMENT PERMIT HAS BEEN ISSUED. THE 'DIRECTOR OF PUBLIC WORKS' SHALL BE INTERPRETED TO MEAN THE DIRECTOR OR HIS DESIGNATED REPRESENTATIVE(S) REFERRED TO HERE AS THE COUNTY ENGINEER.

4. INSPECTION BY THE COUNTY ENGINEER SHALL BE REQUESTED BY THE CONTRACTOR IMMEDIATELY PRIOR TO COMMENCING AND IMMEDIATELY AFTER COMPLETING EACH PHASE OF CONSTRUCTION.

5. UNLESS PRIOR AUTHORIZATION HAS BEEN GRANTED BY THE COUNTY ENGINEER, ALL VERTICAL DATUM SHALL BE BASED ON NAVD 88 DATUM, AND HORIZONTIAL COORDINATES BASED ON NAD 83 DATUM.

6. THE STANDARD TEST FOR MAXIMUM DENSITY AND OPTIMUM MOISTURE CONTENT SHALL BE ASTM D 1557 (CURRENT VERSION) METHOD 'A', 'B', OR 'C'. FIELD TEST FOR IN PLACE DENSITY AND MOISTURE CONTENT SHALL BE ASTM D 2922 AND D 3017 (CURRENT VERSIONS). TEST METHOD 'C' MAY BE MODIFIED TO ALLOW THE USE OF CALIFORNIA TEST METHOD 370 FOR DETERMINING MOISTURE CONTENT OF MINERAL AGGREGATE USING MICROWAVE OVENS. 7. WATER FOR COMPACTION AND DUST CONTROL SHALL BE MADE AVAILABLE BY THE CONTRACTOR. DUST AND EROSION CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AS DIRECTED BY THE COUNTY ENGINEER.

8. AN EROSION & SEDIMENT CONTROL PLAN OR A STORM WATER POLUTION PREVENTION PLAN SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY ENGINEER IN ACCORDANCE WITH THE COUNTY GRADING CODE (CHAPTER 14 SBCC) OR WITH THE STATE CONSTRUCTION GENERAL PERMIT FOR DISCHARGES OF STORM WATER AS APPLICABLE.

9. TRENCH BEDDING AND BACKFILL FOR ALL STORM DRAINS, CULVERTS, AND UTILITY TRENCHING SHALL COMPLY WITH THE DETAILS OF SECTION 2.

10, ALL DRAINAGE FACILITIES SHALL COMPLY WITH THE STANDARDS OF SECTION 3.

11. ALL CURBS AND DRIVEWAYS SHALL COMPLY WITH THE STANDARDS OF SECTION 4.

12. ALL SIDEWALKS & RAMPS SHALL COMPLY WITH THE STANDARDS OF SECTION 5.

13. ALL ROAD PROFILES AND STRUCTURAL SECTIONS SHALL COMPLY WITH THE STANDARDS OF SECTION 6.

14. STREET NAME SIGNS, BARRICADES, TRAFFIC CONTROL AND TRAFFIC WARNING SIGNS SHALL BE PLACED IN ACCORDANCE WITH SECTION 7 OF THESE STANDARD DETAILS AND THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, ALL OF CURRENT DATE.

COUNTY O	OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATION	APPROVED BY
1-010 SHT 1/2	GENERAL STREET SPECIFICATIONS	Man Jakes 1/12011

15. UTILITIES CONSTRUCTED UNDERGROUND SHALL BE STUBBED
OUT TO THE PROPERTY LINES AT EACH LOT, AT EACH TRACT
LINE, AND AT THE END OF STUB STREETS OR THROUGH
STREETS UNDER CONSTRUCTION, TRENCHES SHALL BE
BACKFILLED, TESTED FOR COMPACTION, LEAK-TESTED,
AND INSPECTED BY THE UTILITY COMPANY AND THE
COUNTY ENGINEER BEFORE BASE, PAVING, AND OTHER
PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
BACKFILLED, TESTED FOR COMPACTION, LEAK-TESTED, AND INSPECTED BY THE UTILITY COMPANY AND THE COUNTY ENGINEER BEFORE BASE, PAVING, AND OTHER

16. ASPHALTIC CONCRETE USED FOR PAVING AND A. C. DIKES SHALL BE MADE WITH A PERFORMANCE-GRADE ASPHALT AND AGGREGATE SORTED TO CALTRANS STANDARD SPECIFICATIONS, SECTION 39. THE MIX DESIGN SHALL BE APPROVED BY THE COUNTY ENGINEER PRIOR TO PLACEMENT. THE CALTRANS SPECIFICATIONS FOR MIXING, HAULING, SPREADING, AND COMPACTING SHALL BE STRICTLY FOLLOWED.

17. DVERLAY SECTIONS SHALL CONSIST OF 1/2' MAX AGGREGATE WITH MEDIUM GRADING, ASPHALT EMULSION SHALL BE APPLIED UNDER PAVEMENT REINFORCING FABRIC WHERE FABRIC IS SPECIFIED.

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1-010	GENERAL STREET SPECIFICATIONS		short histor. 1/1/2011
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CURB AND DRIVEWAY INDEX

NUMBER

TITLE

4-010	CURB AND DRIVEWAY GENERAL NOTES
4-020	SPANDREL AND CROSS GUTTER (SHEETS 1-2)
4-030	CURBS AND GUTTERS
4-035	MEDIAN STRIPS
4-040	DRIVEWAY DETAILS (SHEETS 1-2)
4-045	MONOLITHIC CURB AND SIDEWALK
4-050	DRIVEWAY SPACING
4-060	DRIVEWAY GRADE- BREAKS

COUNTY I	OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WORKS - TRANSPORTATI	ION APPROVED BY:
4-000	CURB AND DRIVEWAY INDEX	TE VIELOU VIELIC VIELIC VIELIC VIELIC

(REFER TO 1-010 FOR ADDITIONAL NOTES)

1. FOR SPECIFICATIONS FOR PORTLAND CEMENT CONCRETE CLASS, COMPONENTS, AND PROCEDURES FOR MIXING, POURING, FINISHING, CURING, & CLEANING, REFER TO CALTRANS STANDARD SPECIFICATIONS, SECTION 90.

2. UNLESS OTHERWISE SPECIFIED, ALL CONCRETE SHALL BE CALTRANS CLASS 2 WITH 25% FLY-ASH CONCRETE WITH A LIGHT BROOM FINISH.

3. THE MINIMUM FALL FOR ALL GUTTERS ON STREETS AND CUL-DE-SACS IS 0.5%.

4. FOR SPECIFICATIONS FOR CLASS 2 BASE AND CLASS 4 SUBBASE, REFER TO SECTIONS 25 AND 26 OF THE CALTRANS STANDARD SPECIFICATIONS.

5. A 6" LAYER OF CLASS 2 BASE SHALL BE PLACED AND COMPACTED TO 95% OF MAXIMUM DENSITY.

6. EXPANSION JOINTS SHALL BE PROVIDED WITH CALTRANS APPROVED FILLER PAPER 1/2" THICK.

7. WEAKENED-PLANE JOINTS SHALL BE TOOLED FOR A DEEP GROOVE 1/3 OF THE THICKNESS OF THE CONCRETE.

8. WHERE CALLED FOR, SCORELINES SHALL BE TOOLED WITH A 1/4" DEEP GROOVE.

9. FOR ALL ASPHALT DIKES, REFER TO CALTRANS STANDARD PLANS.

COUNTY (JF SANTA BARBARA, CA – DEPARTMENT DF PUBLIC WORKS – TRANSPORTATION	APPROVED BY
4-010	CURB AND DRIVEWAY GENERAL NOTES	DIRECTOR OF PUBLIC WORKS 1971/2011 DATE



SIDEWALK DETAILS

<u>NUMBER</u>	TITLE
5-010	GENERAL SIDEWALK NOTES
5-030	CURB RAMP DETAILS
5-040	SIDEWALK DETAILS
5-045	SIDEWALK TRANSITIONS
5-050	SIDEWALK UTILITIES

COUNTY O	F SANTA BARBARA, CA - DEPARTMENT DF PUBLIC WORKS	- TRANSPORTATION	APPROVED BY	
5-000	SIDEWALK AND RAMP INDEX	REVISION DATES	DIRECTOR OF PUBLIC VORKS	///2011 DATE

(REFER TO 1-010 FOR ADDITIONAL NOTES)

1. CONCRETE FOR SIDEWALKS AND CURB RAMPS SHALL BE CALTRANS CLASS 3 OR BETTER WITH 25% FLY-ASH IN THE MIX DESIGN, WHEN CONCRETE IS ALSO BEING USED FOR DRIVEWAYS AND GUTTERS, IT SHALL BE CLASS 2 OR BETTER.

2. THICKNESS OF SIDEWALKS SHALL BE 4' MINIMUM, AND THE TRANSVERSE SLOPE SHALL BE 2% MAX DRAINING TOWARD THE CURB. MINIMUM WIDTH SHALL BE 4'. REFER TO TABLES IN 5-040.

3. SUBGRADE MATERIAL SHALL BE COMPACTED TO 90% OF MAXIMUM DENSITY FOR A 0.50° DEPTH. IN EXPANSIVE SOILS AND SOILS WHICH CANNOT REACH 90% RELATIVE COMPACTION, A 0.35° LAYER OF CALTRANS CLASS 4 BASE OR BETTER SHALL BE PLACED AND COMPACTED TO 90% RELATIVE COMPACTION.

4. ADA COMPATIBLE SLOPES, DETECTABLE WARNING SURFACES, AND GROOVED BORDERS AT GRADE BREAKS SHALL BE PROVIDED WHERE REQUIRED BY ALL CURRENT REGULATIONS.

5. EXPANSION JOINTS SHALL BE MADE WITH 1/2' EXPANSION PAPER AND PLACED AT THE BEGINNING AND END OF EACH CURB RETURN, ON EACH SIDE OF DRAINAGE STRUCTURES SUCH AS DROP INLETS, AT UTILITY VAULTS AND POLES, EVERY 200' OF LENGTH, AND AT OTHER PLACES AS DIRECTED BY THE COUNTY ENGINEER. 6. WEAKENED-PLANE JOINTS SHALL BE TOOLED 1-1/2' DEEP ON SIDEWALKS, CURBS AND GUTTERS AT INTERVALS OF NO MORE THAN 10', AND AT BOTH SIDES OF METER BOXES AND PULL BOXES, JOINTS IN ADJACENT CURBS AND SIDEWALKS SHALL BE ALIGNED.

7. SCORELINES SHALL BE TOOLED 1/4' DEEP ON SIDEWALKS MIDWAY BETWEEN WEAKENED-PLANE JOINTS. ON CURB RETURNS, THEY SHALL BE PLACED SO AS TO CONTINUE THE CURB LINE THROUGH THE RAMP.

8. UTILITY BOXES AND VAULTS SHALL NOT BE LOCATED IN SIDEWALKS WHERE POSSIBLE. THERE SHALL BE A MINIMUM OF 4' SIDEWALK CLEARANCE AROUND ANY SIGNS, POLES, OR OTHER OBSTRUCTIONS.

COUNTY (JF SANTA BARBARA, CA - DEPARTMENT DF PUBLIC WORKS	- TRANSPORTATION	APPROVED BY	
5-010	GENERAL SIDEWALK NOTES	REVISION DATES	RECTOR OF PUBLIC WORKS	11950 (1 DATE

NOTES: (REFER TO 5-010 FOR ADDITIONAL NOTES)

1. THE WIDTH OF THE SIDEWALKS (NOT INCLUDING THE CURB) SHALL BE AS SHOWN IN TABLE A OR B. SIDEWALKS FRONTING COMMERCIAL DEVELOPMENTS SHALL EXTEND FROM THE BACK OF THE CURB TO 6' FROM THE RIGHT-OF-WAY LINE.

2. TRANSVERSE EXPANSION JOINTS SHOULD CONTINUE THROUGH THE ADJACENT CURB AND GUTTER.

3. WEAKENED-PLANE JOINTS SHALL BE PROVIDED AT INTERVALS OF NOT MORE THAN 10' ON SIDEWALKS AND CURB/GUTTERS, WHERE SIDEWALKS ABUT THE CURB, THE WEAKENED-PLANE JOINT SHALL BE CONTINUOUS THROUGH BUTH.

4, A SCORELINE SHALL BE PLACED MIDWAY BETWEEN WEAKENED-PLANE JOINTS, WHERE THE SIDEWALK WIDTH EXCEEDS 6', A LONGITUDINAL SCORELINE SHALL BE TOOLED AT THE SIDEWALK CENTERLINE.

SIDEWALK DETAILS

5. ADDITIONAL SIDEWALK WIDTH MAY BE NEEDED TO MAINTAIN A MINIMUM OF 4' CLEAR SIDEWALK AROUND EXISTING DBSTRUCTIONS SUCH AS UTILITY POLES.



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NOTES: (REFER TO 5-010 FOR ADDITIONAL NOTES)

1. WHERE A SIDEWALK AND CURB MEETS A SIDEWALK BEHIND A PARKWAY, THE TRANSITION SHALL BE MADE OVER 15',

2. THE BACKSIDE FORMS A ROUNDED TRANSITION WITH OFFSETS AS SHOWN.

3. THE FRONT SIDE SHALL MEET THE CURB WITH A RADIUS OF 2' AS SHOWN, THE TRANSITION WIDTH SHALL EQUAL OR EXCEED THE SMALLER SIDEWALK WIDTH THROUGHOUT AND MEET THE CURB AT A RIGHT ANGLE WITH A 2' RADIUS CURVE AS SHOWN.

4. WEAKENED-PLANE JOINTS SHALL BE PLACED AT THE BEGINNING AND END OF THE TRANSITION, MIDWAY THROUGH THE TRANSITION, AND IN THE CURB WHERE THE SIDEWALK MEETS THE CURB.

SIDEWALK TRANSITIONS

5-045







3. WHERE THERE IS NO SPACE BEHIND THE SIDEWALK WITHIN THE COUNTY'S RIGHT OF WAY FOR THE AG/F, THE OWNER MAY BE REQUIRED TO OBTAIN A SPECIAL EASEMENT FOR THE UTILITY.

4. ON RURAL ROADS WITH NO SIDEWALK, THE AG/F SHALL BE SET BACK FROM THE EP A DISTANCE OF 7' OR GREATER AS RECOMENDED BY THE AASHTO ROADSIDE DESIGN GUIDE.

5. EXPANSION PAPER SHALL BE PLACED AT ROUND OBJECTS SUCH AS MANHOLES AND UTILITY POLES WHICH MUST BE PLACED IN THE SIDEWALK AS SHOWN ON PLAN C.



1

AG/F-

PLAN C

6. WEAKENED-PLANE JOINTS SHALL BE PLACED ACROSS THE SIDEWALK WHERE UTILITIES MUST BE PLACED IN THE SIDEWALK. ONE JOINT SHALL BE PLACED AT ROUND OBJECTS AND TWO JOINTS AT RECTANGULAR OBJECTS AS SHOWN IN PLAN C.

	OF SANTA BARBARA, CA - DEPARTMENT OF PUBLIC WE	IRKS - TRANSPORTATION	APPROVED BY	
5-050	SIDEWALK UTILITIES	REVISION DATE	DIFECTOR OF PUBLIC VORYS	198/2011 DATE

2. GREENBOOK STANDARD PLANS







3. CALTRANS STANDARD PLANS





DEPARTMENT OF TRANSPORTATION CURB RAMP DET204.S NO SCALE

A88A

4. SAMPLE DOOR HANGER



PROJECT NAME

The City of Goleta is pleased to inform you that the PROJECT NAME is about to begin. Our contractor, CONTRACTOR NAME, will be working over the next LENGTH OF PROJECT to construct this project. During that time, CONTRACTOR will be DESCRIPTION OF WORK. We apologize for any inconvenience this may cause and ask for your patience and cooperation so that we may complete this work as soon as possible.

Sign up for email/text notifications from the City on this project here:

https://public.govdelivery.com/accounts/CAGOLETA/subscriber/ new.

WORK HOURS/PARKING: The work will generally be performed between the hours of 7:30 a.m. and 4:30 p.m. However, there are work hour restrictions in some instances. Local access will be maintained during most of the work. However, parking restrictions will be necessary and will be posted a minimum of 72-hours in advance of the work. Cars will be towed if parked during the no parking dates posted on your street.

TIMELINE: Some or all of the following activities will be performed on your street:

DESCRIPTION OF ACTIVITY	DATE
DESCRIPTION OF ACTIVITY	DATE
DESCRIPTION OF ACTIVITY	DATE

CONTACTS: If you have any questions or need information, please contact:

NAME OF CITY CONTACT	PHONE NUMBER
NAME OF CONTRACT CONTACT	PHONE NUMBER

5. TEMPORARY NO PARKING SIGN



APPENDIX B

WATER POLLUTION CONTROL PLAN (WPCP)

WATER POLLUTION CONTROL PLAN (WPCP) for

City of Goleta Project Number:

<u>Prepared for:</u> City of Goleta 130 Cremona Drive, Suite B Goleta, CA 93117

Submitted by:

Project Site Address:

Contractor's Water Pollution Control Manager:

WPCP Prepared by:

WPCP Preparation Date

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WPCP Attachments

Attachment A	Water	Pollution	Control	Drawings
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Section 10 WPCP Certification and Approval

10.1 Contractor's Certification

CONTRACTOR'S CERTIFICATION OF WPCP

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Signature

Date

Name and Title

Telephone Number

Section 20 Project Information

1. Introduction and Project Description:

Provide a brief description of the project.

Describe the type(s) of work that will be performed.

Provide a breif description of the project location, including descriptive items such as freeway and street names.

Describe proximity to receiving waters to which the project will discharge, including surface waters, drainage channels, and drainage systems.

Identify drainage system owners (municipality and/or agency)

2. Unique Site Features:

Provide a brief description of any unique site features (water bodies, wetlands, environmentally sensitive area, endangered or protected species, etc.)

Describe significant or high-risk activities that may impact stormwater quality. Include any unique features or activities within or adjacent to water bodies (such as dredging, re-use of aerially deposited lead material, and/or large excavations.)

3. Potential Pollutant Sources:

Review the contract documents and associated environmental documents to determine the known site contaminants and list them in this section.

Section 30 Pollution Sources and Control Measures

30.1 Soil Stabilization (Erosion Control) and Sediment Control

30.1.1 Soil Stabilization (Erosion Control) BMPs

The following soil stabilization BMP implementation table indicates the BMPs that shall be implemented to control erosion on the construction site. Implementation and locations of temporary soil stabilization BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SOIL STABILIZATION (EROSION CONTROL) BMPS					
	Minimum	BMP Used			
BMP Name	Require- ment	Yes	No	If not used, state reason	
EC-1 Scheduling	\square				
EC-2 Preservation of Existing Vegetation	\square				
EC-3 Hydraulic Mulch					
EC-4 Hydroseeding					
EC-5 Soil Binders					
EC-6 Straw Mulch					
EC-7 Geotextiles & Mats					
EC-8 Wood Mulching					
EC-9 Earth Dikes and Drainage Swales					
EC-10 Velocity Dissipation Devices					
EC-11 Slope Drains					
EC-12 Streambank Stabilization					
EC-13 Polyacrylamide					

ALTERNATIVE SOIL STABILIZATION BMPs USED					
□ Yes □ No					
BMP Name	BMP Description	If used, state reason			

30.1.2 Sediment Control BMPs

The following sediment control BMP implementation table indicates the BMPs that shall be implemented to control sediment on the construction site. Implementation and locations of temporary sediment control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SEDIMENT CONTROL BMPS						
	Minimum	BMP Used		BMP Used		
BMP Name	Require- ment	Yes	No	If not used, state reason		
SE-1 Silt Fence						
SE-2 Sediment Basin						
SE-3 Sediment Trap						
SE-4 Check Dam						
SE-5 Fiber Rolls						
SE-6 Gravel Bag Berm						
SE-7 Street Sweeping and Vacuuming	\boxtimes					
SE-8 Sandbag Barrier						
SE-9 Straw Bale Barrier						
SE-10 Storm Drain Inlet Protection	\square					
SE-11 Chemical Treatment						
ALTERNATIVE SEDIMENT CONTROL BMPs USED						
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	🗌 Yes 🗌 No					
BMP Name	BMP Description	If used, state reason				

30.1.3 Tracking Control BMPs

The following tracking control BMP implementation table indicates the BMPs that shall be implemented to reduce sediment tracking from the construction site onto private or public roads. Implementation and locations of tracking control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY TRACKING CONTROL BMPS				
BMP Name	Minimum Require- ment	BMP Yes	Used No	If not used, state reason
SE-7 Street Sweeping and Vacuuming	\boxtimes			
TC-1 Temporary Construction Entrance				
TC-2 Stabilized Construction Roadway				
TC-3 Temporary Entrance / Outlet Tire Wash				

ALTERN	ALTERNATIVE TRACKING CONTROL BMPs USED			
	🗌 Yes 🗌 No			
BMP Name	BMP Description	If used, state reason		

30.1.4 Wind Erosion Control BMPs

The following wind erosion control BMP implementation table indicates the BMPs that shall be implemented to control wind erosion on the construction site. Implementation and locations of wind erosion control BMPs are shown on the WPCDs in Attachment A and/or described in this section. The BMP working details can be found in Attachment A. The following list of BMPs and narrative explain how the selected BMPs shall be incorporated into the project.

TEMPORARY WIND EROSION CONTROL BMPS				
BMP Name	Minimum Require-	BMP Yes	Used No	If not used, state reason
WE-1 Wind Erosion Control	ment			
TC-1 Temporary Construction Entrance				
TC-2 Stabilized Construction Roadway				
All Soil Stabilization Measures Included in Section 30.1.1				

ALTE	ALTERNATIVE WIND EROSION BMPs USED			
	🗌 Yes 🗌 No			
BMP Name	BMP Description	If used, state reason		

30.2 Construction Site Management

30.2.1 Non-Stormwater Management BMPs

The following BMP implementation table indicates the BMPs that have been selected to control non-stormwater pollution on the construction site. Implementation and locations of non-stormwater control BMPs are shown on the WPCDs in Attachment A and described in this section. The BMP working details that will be adhered to are found in Attachment A of this WPCP.

TEMPORARY NON-STORMWATER POLLUTION CONTROL BMPS				
	Minimum BMP Us		Used	
BMP Name	Require- ment	Yes	No	If not used, state reason
NS-1 Water Conservation Practices	\boxtimes			
NS-2 Dewatering Operations				
NS-3 Paving and Grinding Operations				
NS-4 Temporary Stream Crossing				
NS-5 Clear Water Diversion				
NS-6 Illicit Connection/Discharge	\boxtimes			
NS-7 Potable Water/Irrigation				
NS-8 Vehicle and Equipment Cleaning				
NS-9 Vehicle and Equipment Fueling				
NS-10 Vehicle and Equipment Maintenance				
NS-11 Pile Driving Operations				
NS-12 Concrete Curing				
NS-13 Concrete Finishing				
NS-14 Material and Equipment Use				
NS-15 Demolition Adjacent to Water				

NS-16 Temporary Batch Plants		

ALTERNATIVE NON-STORMWATER POLLUTION CONTROL BMPs USED				
	🗌 Yes 🗌 No			
BMP Name	BMP Description	If used, state reason		

30.2.2 Waste Management and Materials Pollution Control BMPs

The following BMP implementation table indicates the BMPs that have been selected to control construction site wastes and materials. Implementation and locations of materials handling and waste management BMPs are shown on the WPCDs in Attachment A. The BMP working details that will be adhered to are found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPS

CONTROL BMPS				
Minimum BMP Used				
BMP Name	Require- ment	Yes	No	If not used, state reason
WM-1 Material Delivery and Storage	\square			
WM-2 Material Use	\square			
WM-3 Stockpile Management	\boxtimes			
WM-4 Spill Prevention and Control	\square			
WM-5 Solid Waste Management	\square			
WM-6 Hazardous Waste Management				
WM-7 Contaminated Soil Management				
WM-8 Concrete Waste Management				
WM-9 Sanitary/ Septic Waste Management				
WM-10 Liquid Waste Management				

ALTERNATIVE WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs USED Pollution Pres Yes No BMP Name BMP Description If used, state reason

30.3 Water Pollution Control Drawings (WPCDs)

The WPCDs are included as Attachment A to this Water Pollution Control Program.

30.4 Construction BMP Maintenance, Inspection, and Repair

Site inspections shall be conducted by the Contractor's WPCM at the following minimum frequencies:

- Prior to a forecast storm.
- After a rain event that causes runoff from the construction site.
- At 24-hour intervals during extended rain events.
- Weekly during the rainy season.
- Every 2 weeks during the non-rainy season; and
- At any other time(s) or intervals of time specified in the Contract Special Provisions.

A tracking or follow-up procedure shall follow any inspection that identifies deficiencies in BMPs.

30.5 Water Pollution Control Manager

The Water Pollution Control Manager (WPCM) assigned to this project is:

Insert WPCM's Name

Insert WPCM's Telephone Number

Insert Contractor's Company Name

The WPCM shall have primary responsibility and significant authority for the implementation, maintenance, inspection and amendments to the approved WPCP. The WPCM will be available at all times throughout duration of the project. Duties of the Contractor's WPCM include but are not limited to:

- Ensuring full compliance with the WPCP; and
- Implementing all elements of the WPCP.

The WPCM shall have the authority to mobilize crews in order to make immediate repairs to the water pollution control measures.

APPENDIX C

PREVAILING WAGE RATES

1. Download State Prevailing Wage Rates from the State website

http://www.dir.ca.gov/oprl/PWD/index.htm

APPENDIX D

SCHOOL ZONE WORK HOUR RESTRICTION MAP



APPENDIX E

HOLLISTER AVENUE PAVEMENT REPAIR

Hollister Avenue Pavement Repair Project located East of Cathedral Oaks Road



Attachment 2

Plans

CITY OF GOLETA 2020/2021 PAVEMENT REHABILITATION PROJECT CONSTRUCTION DRAWINGS FOR VARIOUS STREETS

SHEET INDEX				
SHEET NUMBER	SHEET DESCRIPTION	BASE BID / ALTERNATE		
1	TITLE SHEET			
2	CATHEDRAL OAKS ROAD (CALLE REAL TO WINCHESTER CANYON ROAD)	BASE BID		
3	CATHEDRAL OAKS ROAD (ALAMEDA AVENUE TO GLEN ANNIE ROAD)	BASE BID		
4	GLEN ANNIE ROAD (CATHEDRAL OAKS ROAD TO CALLE REAL)	BASE BID		
5	HOLLISTER AVENUE (KINMAN AVENUE TO KELLOGG AVENUE)	BASE BID		
6	KELLOGG AVENUE (HOLLISTER AVENUE TO KELLOGG WAY)	BASE BID		
7	CALLE REAL (SONOMA AVENUE TO GLEN ANNIE ROAD)	BID ALTERNATE A		
8	COLOMA DRIVE (CARLO DRIVE TO VEGA DRIVE)	BID ALTERNATE B		
9	EVERGREEN DRIVE (BRANDON DRIVE TO CATHEDRAL OAKS ROAD)	BID ALTERNATE C		
10	EVERGREEN DRIVE (BRANDON DRIVE TO CATHEDRAL OAKS ROAD)	BID ALTERNATE C		
11	FOREST DRIVE (EVERGREEN DRIVE SOUTH TO EVERGREEN DRIVE NORTH)	BID ALTERNATE D		
12	HILLVIEW DRIVE (EVERGREEN DRIVE SOUTH TO EVERGREEN DRIVE NORTH)	BID ALTERNATE E		
13	CATHEDRAL OAKS ROAD (GLEN ANNIE ROAD TO EAST END/BRIDGE DECK)	BID ALTERNATE F		
14	CATHEDRAL OAKS ROAD (GLEN ANNIE ROAD TO EAST END/BRIDGE DECK)	BID ALTERNATE F		
15	CATHEDRAL OAKS ROAD (GLEN ANNIE ROAD TO EAST END/BRIDGE DECK)	BID ALTERNATE F		
16	ENLARGEMENT A (CATHEDRAL OAKS ROAD AT ALAMEDA AVENUE)	BASE BID		
17	ENLARGEMENT B (CATHEDRAL OAKS ROAD AT GLENN ANNIE ROAD)	BASE BID		
18	STRIPING FOR CATHEDRAL OAKS ROAD (CALLE REAL TO WINCHESTER CANYON ROAD)	BASE BID		
19	STRIPING FOR CATHEDRAL OAKS ROAD (ALAMEDA AVENUE TO GLEN ANNIE ROAD)	BASE BID		
20	STRIPING FOR GLEN ANNIE ROAD (CATHEDRAL OAKS ROAD TO CALLE REAL)	BASE BID		
21	STRIPING FOR HOLLISTER AVENUE (KINMAN AVENUE TO KELLOGG AVENUE)	BASE BID		
22	STRIPING FOR KELLOGG AVENUE (HOLLISTER AVENUE TO KELLOGG WAY)	BASE BID		
23	STRIPING FOR CALLE REAL (SONOMA AVENUE TO GLEN ANNIE ROAD)	BID ALTERNATE A		
24	STRIPING FOR COLOMA DRIVE (CARLO DRIVE TO VEGA DRIVE)	BID ALTERNATE B		
25	STRIPING FOR EVERGREEN DRIVE (BRANDON DRIVE TO CATHEDRAL OAKS ROAD)	BID ALTERNATE C		
26	STRIPING FOR EVERGREEN DRIVE (BRANDON DRIVE TO CATHEDRAL OAKS ROAD)	BID ALTERNATE C		
27	STRIPING FOR FOREST DRIVE (EVERGREEN DRIVE SOUTH TO EVERGREEN DRIVE NORTH)	BID ALTERNATE D		
28	STRIPING FOR HILLVIEW DRIVE (EVERGREEN DRIVE SOUTH TO EVERGREEN DRIVE NORTH)	BID ALTERNATE E		
29	STRIPING FOR CATHEDRAL OAKS ROAD (GLEN ANNIE ROAD TO EAST END/BRIDGE DECK)	BID ALTERNATE F		
30	STRIPING FOR CATHEDRAL OAKS ROAD (GLEN ANNIE ROAD TO EAST END/BRIDGE DECK)	BID ALTERNATE F		



NOTES:

- PRIOR TO REMOVAL

- THESE PLANS.
- COMPLETE WORK.
- SAME WORK DAY.

AC ARHM ΕX GG MAX MIN NTS PCC PG RC TYP









	PULVERIZE, LIME/CEMENT TREAT & PLACE 5-1/2" AC / ARHM
•••••	INSTALL SHOULDER BACKING
	EX. AC BERM
==========	EX. CURB & GUTTER
● ^{XX}	BORING LOCATION
SS	SANITARY SEWER
C	CONSTRUCT CALTRANS CASE C CURB RAMP



KINMAN AVENUE 116+00 ******









	COLD PLANE & REPLACE (SEE PLAN & DETAILS FOR DEPTH)
	INSTALL PCC CURB & GUTTER
=======	EX. CURB & GUTTER
• ^{XX}	BORING LOCATION
\otimes	WATER VALVE
SS	SANITARY SEWER
(T)	TELEPHONE MANHOLE
+0++	FIRE HYDRANT (EX.)
BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
В	REMOVE & REPLACE PCC CURB RAMP TYPE B
C	REMOVE & REPLACE PCC CURB RAMP TYPE C



	PULVERIZE, LIME/CEMENT TREAT & PLACE 5-1/2" AC/ARHM
=======	EX. CURB & GUTTER
● ^{XX}	BORING LOCATION
Ø	WATER VALVE
SS	SANITARY SEWER
+Ċ+	FIRE HYDRANT (EX.)
BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
\bigcirc	REMOVE & REPLACE LOOP DETECTORS
B	CONSTRUCT CALTRANS CASE B CURB RAMP
C	CONSTRUCT CALTRANS CASE C CURB RAMP







LEGEND	
	PULVERIZE, LIME/CEMENT TREAT & PLACE 8" AC / ARHM
• • • • • • •	INSTALL SHOULDER BACKING
	EX. AC BERM
	EX. CURB & GUTTER
• ^{XX}	BORING LOCATION
\otimes	WATER VALVE
SS	SANITARY SEWER
+0++	FIRE HYDRANT (EX.)
BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
	LOOP DETECTOR COVER
В	CONSTRUCT CALTRANS CASE B CURB RAMP





*****	COLD PLANE & REPL (SEE PLAN & DETAILS INCREASE COLD PL @ TRANSVERSE PA
	INSTALL PCC CURB
==========	EX. CURB & GUTTER
\bigtriangleup	THROUGH CURB DR
● ^{XX}	BORING LOCATION
\otimes	WATER VALVE
GV	GAS VALVE
SS	SANITARY SEWER

COLD PLANE & REPLACE SEE PLAN & DETAILS FOR DEPTH) NCREASE COLD PLANE DEPTH @ TRANSVERSE PAVING LIMIT NSTALL PCC CURB & GUTTER EX. CURB & GUTTER HROUGH CURB DRAIN BORING LOCATION

REMOVE & REPLACE CURB & GUTTER (~65 LF) REMOVE & REPLACE _ THROUGH CURB DRAIN

86+00

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87+00

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1-3/4"	LEGEND	
		REMOVE & REPLACE 6" AC
		TYPE A1 KEYCUT
		TYPE B1 KEYCUT
		INSTALL PCC CURB & GUTTER
IPACT LOOSENED MATERIAL @ SURFACE. IF CONTRACTOR RBS MORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE	==========	EX. CURB & GUTTER
IPACTED TO 95% RC. Y BE REPLACED IN A SINGLE 6" LIFT IF REPAIR IS LOCATED UNDER	• ^{xx}	BORING LOCATION
ERLAY.	$\langle R \rangle$	PRUNE & REMOVE TREE ROOTS UNDER
PLACE 3" AC C2 SURFACE COURSE REMOVE 6"	\otimes	WATER VALVE
	(32)	SANITARY SEWER
	+0++	FIRE HYDRANT (EX.)
SEE NOTE 1	BRPM	BLUE RETROREFLECTIVE PAVEMENT M
MOVE & REPLACE 6" AC	B	CONSTRUCT CALTRANS CASE B CURB
NTS	C	CONSTRUCT CALTRANS CASE C CURB





	LEGEND	
		REMOVE & REPLACE 6" AC
		TYPE A1 KEYCUT
T LOOSENED MATERIAL @ SURFACE. IF CONTRACTOR /ORE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE TED TO 95% RC.	••••••	TYPE B1 KEYCUT
REPLACED IN A SINGLE 6" LIFT IF REPAIR IS LOCATED UNDER	==========	EX. CURB & GUTTER
Y.	• ^{XX}	BORING LOCATION
PLACE 3" AC C2 SURFACE COURSE PLACE 3" AC C2 BASE COURSE 7 PAVEMENT	\otimes	WATER VALVE
	SS	SANITARY SEWER
	+0++	FIRE HYDRANT (EX.)
SEE NOTE 1	BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
VE & REPLACE 6" AC	B	CONSTRUCT CALTRANS CASE B CURB RAMP
NTS	C	CONSTRUCT CALTRANS CASE C CURB RAMP





	<u>LEGEND</u>	
		REMOVE & REPLACE 6" AC
OOSENED MATERIAL @ SURFACE. IF CONTRACTOR		TYPE A1 KEYCUT
RE THAN 1-1/2" OF MATERIAL, SUBGRADE SHALL BE D TO 95% RC.	••••••	TYPE B1 KEYCUT
PLACED IN A SINGLE 6" LIFT IF REPAIR IS LOCATED UNDER	==========	EX. CURB & GUTTER
	• ^{XX}	BORING LOCATION
PLACE 3" AC C2 SURFACE COURSE PLACE 3" AC C2 BASE COURSE	\otimes	WATER VALVE
	SS	SANITARY SEWER
	+0++	FIRE HYDRANT (EX.)
SEE NOTE 1	BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
'E & REPLACE 6" AC	+	SURVEY MONUMENT
NTS	B	CONSTRUCT CALTRANS CASE B CURB RAMP





LEGEND

	REMOVE & REPLACE 6" AC
	TYPE A1 KEYCUT
•••••	TYPE B1 KEYCUT
	EX. CURB & GUTTER
• ^{XX}	BORING LOCATION
\otimes	WATER VALVE
SS	SANITARY SEWER
+0++	FIRE HYDRANT (EX.)
BRPM	BLUE RETROREFLECTIVE PAVEMENT MARKER
B	CONSTRUCT CALTRANS CASE B CURB RAMP

(~8'x40')

(~8'x25') (~8'x30')











	PULVERIZE, LIME/CEMENT TREAT & PLACE 5-1/2" AC / ARHI
•••••	INSTALL SHOULDER BACKING
	INSTALL TYPE A AC BERM
	EX. CURB & GUTTER
• ^{XX}	BORING LOCATION
SS	SANITARY SEWER
C	CONSTRUCT CALTRANS CASE C CURB RAMP



$\begin{array}{cccccccccccccccccccccccccccccccccccc$
GB
EP
SW
ТВ

INSTALL DETECTABLE WARNING SURFACE





Pavement Engineering Inc.	You can ride on our reputation	Corporate Office: 3485 Sacramento Drive, Suite A	San Luis Obispo, CA 93401 805.781.2265	
CITY OF GOLETA	2020 / 2021 PAVEMENT REHABILITATION PROJECT	ENLARGEMENT "B"	CATHEDRAL OAKS ROAD & GLEN ANNIE ROAD	
DRAWN BY: RM PROJECT NUMBER: 1"=5"				
SCALE: 1"=5' VERIFY SCALE BAR REPRESENTS 1" ON ORIGINAL DATE: JUNE 2021 SHEET NUMBER: 17 of 30				

CONTROL POINT TABLE				
Point #	RAW DESCRIPTION	ELEVATION	NORTHING	EASTING
32	FD NAIL AND TAG5785	92.510	4147.9239	2006.0663
503	FD TAGLS5785	92.974	4141.6345	2038.2882
1011	CP MAG_TAG	92.368	4146.2535	2092.4082

BASE BID



CATHEDRAL OAKS RD	CONSTRUCTION NOTES ALL STRIPMS AND PAYMENT MARKING DETAILS AND LAYOUTS SHALL CONTAINS UNESS OFFICIENT STATE OF CALFORNA STANDARD PLANS. ULLESS OFFICIENT STALL STOP OF CARB OF EDGE OF PAYMENT TO CONTAINS THE STRIPING SHALL BE PAIL ALL DAYON TO FILE OFFICIENT STALLS OF CALFORNA CONTAINS THE TANDARD FOR PLASEMENT MARKERS SHALL BE INSTALLED IN FILE TANDARDY FERENCE VE PAYMENT MARKERS SHALL BE INSTALLED IN FILE TANDARDY FERENCE VE PAYMENT MARKERS SHALL BE INSTALLED IN FILE TANDARDY FERENCE VE PAYMENT MARKERS SHALL BE INSTALLED IN FILE TANDARDY FERENCE VE PAYMENT MARKERS. OF CONTAILSTON SAFE FROM TOP OF CAUBED AND AND AND STATE TANDARDY FERENCE WE PAYMENT MARKERS AND AND AND STANDARD FERENCE ON THE STRIPTION SHALL BE INSTALLED IN FILE TANDARDY FERENCE VE PAYMENT MARKERS. INFOLD TO THE STRIPTING SHALL BE INSTALLED IN FILE TANDARDY FERENCE WE PAYMENT MARKERS. INFOLD TO FERENCE ON THE STRIPTING WE PAYMENT. INFALL 12' LIMIT UNE FERE CALTRANS STANDARD PLAN ALL 12' LIMIT UNEST ELEON AND PRODUCED FOR ADDED CLARIFY. A SOULD-UNE CONTRUCTION NOTH FERE PLAN. INSTALL 12' LIMIT UNE FERE CALTRANS STANDARD PLAN ALL 12' LIMIT UNEST STANDARD PLAN. INSTALL 12' LIMIT UNEST STANDARD PLAN ALL ALL 20'L INSTALL 12'L LIMIT UNEST STANDARD PLAN ALL ALL 20'L INSTALL 12'L LIMIT UNEST STANDARD PLAN ALL 20'L INSTALL 12'LIMIT UNDER STANDARD PLAN ALL ALL 20'L
	TA, CALIFORNIA DATE BASE BID CATHEDRAL OAKS ROAD PAVEMENT REHABILITATION PROJECT OTY OF GOLETA, STATE OF CALIFORNIA PATE PROJECT NO. 2064139500 SHEET 18 of 30 PLAN DATE 06/07/2021









	CONSTRUCTION NOTES	
	ALL STRIPING AND PAVEMENT MARKING DETAILS AND LA CONFORM TO THE CURRENT STATE OF CALIFORNIA MANU TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF STANDARD SPECIFICATIONS AND THE STATE OF CALIFORM PLANS, UNLESS OTHERWISE SPECIFIED.	IAL ON UNIFORM CALIFORNIA
	INSTALLATION OF NEW STRIPING IS INDICATED BY A <u>SOLI</u> CONTAINS THE STRIPING DETAIL NO., AS SHOWN:	<u>D</u> —LINE BOX THAT
	LANE DIMENSIONS ARE FROM TOP OF CURB OR EDGE OF CENTER OF STRIPE DETAIL.	PAVEMENT TO
	ALL LONG LINE STRIPING SHALL BE PAINT. ALL PAVEMENT MARKINGS, CROSSWALK, AND LIMIT LINES	SHALL BE
	THERMOPLASTIC. BLUE TWO-WAY REFLECTIVE PAVEMENT MARKERS SHALL	BE INSTALLED IN
	THE STREET ADJACENT TO FIRE HYDRANTS IN ACCORDAN GOLETA STANDARD FOR PLACEMENT OF FIRE HYDRANT M FOR OTHER STRIPING AND MARKING NOT ASSIGNED A DE	IARKERS.
	CA MUTCD, INSTALLATIONS ARE INDICATED BY <u>SOLID</u> LIN SHAPES, AND REMOVALS ARE INDICATED BY BOLD, <u>DOTT</u> OUTLINES, AS SHOWN IN THE WORK LEGEND EXAMPLES.	ES OR <u>FILLED</u>
	THE NUMBERED CONSTRUCTION NOTES BELOW ARE PROV CLARITY. A SOLID-LINE CIRCLE INDICATES A NEW INSTAL	LATION.
	(7) INSTALL 12" LIMIT LINE PER CALTRANS STANDAR INSTALL REMOVE STRIPING, PAVEMENT	
	WHITE "STOP" PAVEM CALTRANS STANDARE	
	DRAWING LEGEND	
	EXISTING STRIPING	
	d EXISTING SIGN	
	• EXISTING STREET LIGHT SIGNALIZED INTERSECTION	
	SIGNS TO BE INSTALLED OR REMOVED	
SEE SHEET 21		
(s)		
1		
I		
SCALE: 1"=40'		
40 80 120		
F GOLETA, CALIFORNIA		PROJECT NO.
ED BY:	BASE BID KELLOGG AVENUE	2064139500 SHEET
	PAVEMENT REHABILITATION PROJECT CITY OF GOLETA, STATE OF CALIFORNIA	22 OF 30 PLAN DATE
URE DATE	UTT UN UULLIN, STATE UN UALIFURNIA	06/07/2021



	CONFORM TO THE CURRENT STA TRAFFIC CONTROL DEVICES (CA	ARKING DETAILS AND LAYOUTS SHALL TE OF CALIFORNIA MANUAL ON UNIFORM MUTCD), THE STATE OF CALIFORNIA THE STATE OF CALIFORNIA STANDARD
		IS INDICATED BY A <u>SOLID</u> -LINE BOX THAT
	LANE DIMENSIONS ARE FROM TO CENTER OF STRIPE DETAIL.	P OF CURB OR EDGE OF PAVEMENT TO
		BE PAINT. SWALK, AND LIMIT LINES SHALL BE
	THE STREET ADJACENT TO FIRE	EMENT MARKERS SHALL BE INSTALLED IN HYDRANTS IN ACCORDANCE WITH CITY OF ENT OF FIRE HYDRANT MARKERS.
	FOR OTHER STRIPING AND MARK CA MUTCD, INSTALLATIONS ARE SHAPES, AND REMOVALS ARE IN	ING NOT ASSIGNED A DETAIL NO. IN THE INDICATED BY <u>SOLID</u> LINES OR <u>FILLED</u> DICATED BY BOLD, <u>DOTTED</u> LINES AND
	OUTLINES, AS SHOWN IN THE WO THE NUMBERED CONSTRUCTION IN CLARITY. A SOLID-LINE CIRCLE I	NOTES BELOW ARE PROVIDED FOR ADDED
	1 INSTALL 4" WHITE CHEVE CENTER.	RON PAVEMENT MARKING SPACED AT 25' ON
	5 INSTALL 12" BASIC CROS A24F WITH 11' WIDTH.	SWALK PER CALTRANS STANDARD PLAN
	GR INSTALL GREEN CONFLICT	T STRIPING, WIDTH PER PLAN.
	$\langle B \rangle$ length and width per	NACTO URBAN BIKEWAY DESIGN GUIDE. PLAN.
	WORK LEGEND	
	$\frac{1}{22}$ $\frac{1}{22}$	<u>STRIPING, PAVEMENT, OR SIGN</u> STRIPING PER CALTRANS STANDARD PLANS
		TYPE IV ARROW (R/L) PER CALTRANS STANDARD PLAN A24A
		TYPE VI ARROW PER CALTRANS STANDARD PLAN A24A WHITE "SIGNAL"; "AHEAD" PAVEMENT
		LEGENDS PER CALTRANS STANDARD PLAN A24D
		WHITE SPEED LIMIT PAVEMENT LEGEND PER CALTRANS STANDARD PLAN A24C
	p p	SIGN ON EXIST. POST SIGN AND POST
		BIKE LANE SYMBOL AND ARROW PER BIKE LANE DETAILS
	DRAWING LEGEND	
	EXISTING S	
	CURBFACE	
	9	TREET LIGHT
	SIGNALIZED) INTERSECTION
	SIGNS TO BE INSTALLED OR REM	<u>10VED</u>
	NO TURN ON RED R10-11	
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SCALE: 1"=40'		
40 80 120		
GOLETA, CALIFORNIA	BID ALTERNAT	PROJECT NO. 2064139500
BY:	CALLE REA	L SHEET
E DATE	PAVEMENT REHABILITAT CITY OF GOLETA, STATE OF	PLAN DATE



	CONSTRUCTION NOTES ALL STRIPING AND PAVEMENT MARKING DETAILS AND LAYOUTS SHA CONFORM TO THE CURRENT STATE OF CALIFORNIA MANUAL ON UNI TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND THE STATE OF CALIFORNIA STANDA PLANS, UNLESS OTHERWISE SPECIFIED. INSTALLATION OF NEW STRIPING IS INDICATED BY A SOLID-LINE BO CONTAINS THE STRIPING DETAIL NO., AS SHOWN: Image: Contract of the striping of the state of the stripe of th	IFORM A ARD DX THAT T TO T TO LED IN CITY OF N THE ED AND ADDED 24E. L ND PER
	d EXISTING SIGN →→→→→ EXISTING STREET LIGHT	
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SCALE: 1"=40'	PROJECT N	10.
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E DATE	PAVEMENT REHABILITATION PROJECT	





	CONSTRUCTION NOTES	
	ALL STRIPING AND PAVEMENT MARKING DETAILS AND LA CONFORM TO THE CURRENT STATE OF CALIFORNIA MAN TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF STANDARD SPECIFICATIONS AND THE STATE OF CALIFOR PLANS, UNLESS OTHERWISE SPECIFIED.	UAL ON UNIFORM CALIFORNIA
	INSTALLATION OF NEW STRIPING IS INDICATED BY A <u>SOL</u> CONTAINS THE STRIPING DETAIL NO., AS SHOWN:	<u>.ID</u> –LINE BOX THAT
	LANE DIMENSIONS ARE FROM TOP OF CURB OR EDGE O CENTER OF STRIPE DETAIL.	F PAVEMENT TO
	ALL LONG LINE STRIPING SHALL BE PAINT.	
	ALL PAVEMENT MARKINGS, CROSSWALK, AND LIMIT LINES THERMOPLASTIC. BLUE TWO-WAY REFLECTIVE PAVEMENT MARKERS SHALL	
	THE STREET ADJACENT TO FIRE HYDRANTS IN ACCORDA GOLETA STANDARD FOR PLACEMENT OF FIRE HYDRANT	NCE WITH CITY OF MARKERS.
	FOR OTHER STRIPING AND MARKING NOT ASSIGNED A D CA MUTCD, INSTALLATIONS ARE INDICATED BY <u>SOLID</u> LIN SHAPES, AND REMOVALS ARE INDICATED BY BOLD, <u>DOT</u> OUTLINES, AS SHOWN IN THE WORK LEGEND EXAMPLES.	NES OR <u>FILLED</u>
	THE NUMBERED CONSTRUCTION NOTES BELOW ARE PROV CLARITY. A SOLID-LINE CIRCLE INDICATES A NEW INSTA	LLATION.
	(7) INSTALL 12" LIMIT LINE PER CALTRANS STANDAR	
	INSTALL REMOVE STRIPING, PAVEMEN	
	Image: White Stop Image: White Stop	
	EXISTING STRIPING	
	d EXISTING SIGN	
	S SIGNALIZED INTERSECTION	
	DII-I	
E COLETA CALIFORNIA		PROJECT NO.
F GOLETA, CALIFORNIA	BID ALTERNATE C	2064139500 SHEET
D BY:	EVERGREEN DRIVE PAVEMENT REHABILITATION PROJECT	26 OF 30 PLAN DATE
JRE DATE	CITY OF GOLETA, STATE OF CALIFORNIA	06/07/2021



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REVISIONS	APPD.					PROFESSION	
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	111 East Vict		Santa Barbara, CA 93101	- PROJECT ENGINEER	_DATE:	* SATE OF ONLY OF	REVIEWED
	Phone: (805)	963–9532		R.C.E. –		OF CALIFO	SIGNATUR

-	GOLETA,	CALIFORNIA	
D	BY:		

BID ALTERNATE D	FROJE
FOREST DRIVE PAVEMENT REHABILITATION PROJECT CITY OF GOLETA, STATE OF CALIFORNIA	SHEET 27 PLAN

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	CONSTRUCTION NOTES		
	ALL STRIPING AND PAVEMENT CONFORM TO THE CURRENT ST TRAFFIC CONTROL DEVICES (CA STANDARD SPECIFICATIONS AND PLANS, UNLESS OTHERWISE SP	ATE OF CALIFORNIA MANU MUTCD), THE STATE OF THE STATE OF CALIFORM	AL ON UNIFORM CALIFORNIA
	INSTALLATION OF NEW STRIPING CONTAINS THE STRIPING DETAIL	G IS INDICATED BY A <u>SOLI</u>	<u>D</u> —LINE BOX THAT
	LANE DIMENSIONS ARE FROM T CENTER OF STRIPE DETAIL.	OP OF CURB OR EDGE OF	PAVEMENT TO
	ALL LONG LINE STRIPING SHALI ALL PAVEMENT MARKINGS, CRC THERMOPLASTIC.		SHALL BE
	BLUE TWO-WAY REFLECTIVE PA THE STREET ADJACENT TO FIRE GOLETA STANDARD FOR PLACE	E HYDRANTS IN ACCORDAN	NCE WITH CITY OF
	FOR OTHER STRIPING AND MAR CA MUTCD, INSTALLATIONS ARE SHAPES, AND REMOVALS ARE OUTLINES, AS SHOWN IN THE V	E INDICATED BY <u>SOLID</u> LINI INDICATED BY BOLD, <u>DOTT</u>	ES OR <u>FILLED</u>
	THE NUMBERED CONSTRUCTION CLARITY. A SOLID-LINE CIRCLE	NOTES BELOW ARE PROV	
	() INSTALL 4" WHITE CHEV CENTER.	RON PAVEMENT MARKING	SPACED AT 25' ON
	GR INSTALL GREEN CONFLIC	CT STRIPING, WIDTH PER F	'LAN.
	B INSTALL BIKE BOX PER LENGTH AND WIDTH PER	NACTO URBAN BIKEWAY I R PLAN.	DESIGN GUIDE.
	INSTALL REMOVE	STRIPING, PAVEMEN STRIPING PER CALTRA	
		STANDARD PLANS TYPE IV ARROW (R/L STANDARD PLAN A24	
		BIKE LANE SYMBOL A PER BIKE LANE DETA	
	DRAWING LEGEND		
	EXISTING		
	CURBFAC d EXISTING		
	· · · · · · · · · · · · · · · · · · ·	STREET LIGHT	
	S SIGNALIZE	ED INTERSECTION	
	SIGNS TO BE INSTALLED OR RE	MOVED	
IFORNIA	BID ALTERNA	TE F	PROJECT NO. 2064139500
	CATHEDRAL OAK	S ROAD	SHEET 29 of 30
	PAVEMENT REHABILITA	HUN PROJECT	PLAN DATE

CITY OF GOLETA, STATE OF CALIFORNIA

DATE

06/07/2021



	CONSTRUCTION NOTES	
	CONSTRUCTION NOTES ALL STRIPING AND PAVEMENT MARKING DETAILS AND LA CONFORM TO THE CURRENT STATE OF CALIFORNIA MANU TRAFFIC CONTROL DEVICES (CA MUTCD), THE STATE OF STANDARD SPECIFICATIONS AND THE STATE OF CALIFORI PLANS, UNLESS OTHERWISE SPECIFIED.	JAL ON UNIFORM CALIFORNIA
	INSTALLATION OF NEW STRIPING IS INDICATED BY A <u>SOL</u> CONTAINS THE STRIPING DETAIL NO., AS SHOWN:	<u>ID</u> –LINE BOX THAT
BELOW	LANE DIMENSIONS ARE FROM TOP OF CURB OR EDGE OF CENTER OF STRIPE DETAIL.	- PAVEMENT TO
	ALL LONG LINE STRIPING SHALL BE PAINT. ALL PAVEMENT MARKINGS, CROSSWALK, AND LIMIT LINES THERMOPLASTIC.	SHALL BE
	BLUE TWO-WAY REFLECTIVE PAVEMENT MARKERS SHALL THE STREET ADJACENT TO FIRE HYDRANTS IN ACCORDA GOLETA STANDARD FOR PLACEMENT OF FIRE HYDRANT M	NCE WITH CITY OF
MATCH	FOR OTHER STRIPING AND MARKING NOT ASSIGNED A DE CA MUTCD, INSTALLATIONS ARE INDICATED BY <u>SOLID</u> LIN SHAPES, AND REMOVALS ARE INDICATED BY BOLD, <u>DOTT</u> OUTLINES, AS SHOWN IN THE WORK LEGEND EXAMPLES.	IES OR <u>FILLED</u>
_	THE NUMBERED CONSTRUCTION NOTES BELOW ARE PROV CLARITY. A SOLID-LINE CIRCLE INDICATES A NEW INSTAL	LATION.
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D,	GR INSTALL GREEN CONFLICT STRIPING, WIDTH PER F B INSTALL BIKE BOX PER NACTO URBAN BIKEWAY LENGTH AND WIDTH PER PLAN.	
С С С	INSTALL REMOVE STRIPING, PAVEMEN	
	TYPE IV ARROW (R/I	L) PER CALTRANS
MATCHLINE	♪ Image: Standard Plan A24 Bike Lane Symbol	
	► → DITELE PER BIKE LANE DETA	AILS
	DRAWING LEGEND EXISTING STRIPING	
	CURBFACE	
	EXISTING STREET LIGHT SIGNALIZED INTERSECTION	
	SIGNS TO BE INSTALLED OR REMOVED	
	SIGNS TO BE INSTALLED ON NEMOVED	
	-6" WHITE CHE @ 35' INTERV	
	DIRECTION OF TRAVEL	-DETAIL 39
	Br → ECR	
	CURB F	ACE OR F PAVEMENT
	BIKE LANE DETAIL	
OLETA, CALIFORNIA	BID ALTERNATE F	PROJECT NO. 2064139500
BY:	CATHEDRAL OAKS ROAD	SHEET
	PAVEMENT REHABILITATION PROJECT	30 of 30 Plan date

CITY OF GOLETA, STATE OF CALIFORNIA

DATE

06/07/2021