

SPECIAL PROVISIONS
FOR
NEIGHBORHOOD TRAFFIC MANAGEMENT PROGRAM
(NTMP)

City of Stockton Project No.: PW 1608

Prepared for:
City of Stockton

Prepared by:
Siegfried Engineering

Dated: February 15, 2022

CITY PROJECT NO. WT 1608

The special provisions contained herein have been prepared by or under the direction of the following Registered Persons.



DATE SIGNED: 02/15/22

REGISTERED CIVIL ENGINEER

TABLE OF CONTENTS

- SPECIAL PROVISIONS 1
- SECTION 1 - SPECIFICATIONS AND PLANS 1
 - 1-1.01 Specifications 1
 - 1-1.02 Plans 2
 - 1-1.03 Terms and Definitions 2
 - 1-1.04 Proposal Requirements and Conditions 3
- SECTION 2 – AWARD AND EXECUTION OF CONTRACT 3
 - 2-1.01 Bid Protests 3
 - 2-1.02 Contract Award and Execution 3
 - 2-1.03 Bid Rigging 4
- SECTION 3 – PROSECUTION AND PROGRESS 4
 - 3-1.01 Beginning of Work 4
 - 3-1.02 Time of Completion 5
 - 3-1.03 Liquidated Damages 6
 - 3-1.04 Submittals 6
 - 3-1.05 Non-Highway Facilities 8
- SECTION 4 - GENERAL 8
 - 4-1.01 Project Appearance 8
 - 4-1.02 Maintaining Public Convenience and Safety 8
 - 4-1.03 Trench Safety 9
 - 4-1.04 Public Convenience 9
 - 4-1.05 Public Safety 10
 - 4-1.06 Rights in Land 11
 - 4-1.07 Staging Area 11
 - 4-1.08 Construction Staking 11
 - 4-1.09 Increased or Decreased Quantities 12
 - 4-1.10 Changes and Extra Work 13
 - 4-1.11 Stop Notice Withholds 13
 - 4-1.12 Dust Control, Apply Water, Site Maintenance, and Cleanup 13
 - 4-1.13 Pre-Construction Meeting 14
 - 4-1.14 Post-Construction Meeting 14
 - 4-1.15 As-Built/Record Drawings 14
 - 4-1.16 Maintaining Existing and Temporary Electrical Systems 15
 - 4-1.17 Notice of Potential Claim 15
 - 4-1.18 Permits 15
 - 4-1.19 Prompt Progress Payment to Subcontractors 16
 - 4-1.20 Prompt Payment of Funds Withheld to Subcontractors 17
 - 4-1.21 Unsatisfactory Progress 17
 - 4-1.22 Air Pollution Control 18
 - 4-1.23 Records 18
 - 4-1.24 Noncompliant and Unauthorized Work 18
 - 4-1.25 Preservation of Property 19
 - 4-1.26 Differing Site Conditions 19
- SECTION 5 – CONTROL OF MATERIALS 21
 - 5-1.01 City-Furnished Materials 21
 - 5-1.02 Buy America Requirements 21
 - 5-1.03 Quality Assurance Program 21
 - 5-1.04 Testing 21
- SECTION 6 - MEASUREMENT AND PAYMENT 22
 - 6-1.01 General 22

- 6-1.02 Schedule of Values22
- 6-1.03 Payments22
- SECTION 7 - MATERIALS29**
 - 7-1.01 Pre-qualified and Tested Signing and Delineation Material29
 - 7-1.02 Minor Concrete29
- SECTION 8 - DESCRIPTION OF WORK30**
 - 8-1.01 Description of Work30
 - 8-1.02 Quantities30
- SECTION 9 - CONSTRUCTION DETAILS33**
 - 9-1.01 Order of Work33
 - 9-1.02 Progress Schedule35
 - 9-1.03 Pre-construction Survey37
 - 9-1.04 Alternative Equipment40
 - 9-1.05 Inspections40
 - 9-1.06 Obstructions40
 - 9-1.07 Cooperation42
 - 9-1.08 Water Pollution Control43
 - 9-1.09 Mobilization43
 - 9-1.10 Maintaining Traffic43
 - 9-1.11 Temporary Pavement Delineation46
 - 9-1.12 Traffic Control System for Lane Closure47
 - 9-1.13 Existing Highway Facilities48
 - 9-1.14 Clearing and Grubbing50
 - 9-1.15 Roadway Excavation51
 - 9-1.16 Earthwork52
 - 9-1.17 Trench Excavation and Backfill53
 - 9-1.18 Asphalt Concrete56
 - 9-1.19 Construction Site Waste Materials Management57
 - 9-1.20 Concrete Curbs, Sidewalks, and Wheelchair Ramps59
 - 9-1.21 Surface Restoration60
 - 9-1.22 Traffic Stripes, Pavement Markings, and Pavement Markers61
 - 9-1.23 Barricades and Channelizers63
 - 9-1.24 Roadside Signs64

SPECIAL PROVISIONS

SECTION 1 - SPECIFICATIONS AND PLANS

1-1.01 Specifications

The work described herein shall be done in accordance with the current City of Stockton, Department of Public Works Standard Specifications and Plans, and the 2018 Editions of the State of California, Department of Transportation Standard Specifications and Standard Plans, California MUTCD 2014, latest edition, as referenced therein, and in accordance with the following Special Provisions. To the extent the California Department of Transportation Standard Specifications implement the STATE CONTRACT ACT, they shall not be applicable since the City of Stockton is not subject to said ACT.

In case of conflict or discrepancy between any of the Contract Documents, the order of documents listed below shall be the order of precedence, with the first item listed having the highest precedence.

- a. Contract
- b. Project Special Provisions
- c. Project Plans
- d. City's Standard Specifications
- e. City's Standard Drawings
- f. Revised Caltrans Standard Specifications
- g. Caltrans Standard Specifications
- h. Revised Caltrans Standard Plans
- i. Caltrans Standard Plans
- j. Supplemental Project Information

With regards to discrepancies or conflicts between written dimensions given on drawings and the scaled measurements, the written dimensions shall govern.

With regards to discrepancies or conflicts between large-scale drawings and small-scale drawings, the larger scale shall govern.

With regards to discrepancies or conflicts between detailed drawings and referenced standard drawings or plans, the detailed drawings shall govern.

In the event where provisions of codes, safety orders, contract documents, referenced manufacturer's specifications or industry standards are in conflict, the more restrictive and higher quality shall govern.

Should it appear that the work to be done or any of the matters relative thereto are not sufficiently detailed or explained in these Specifications, the Special Provisions, or the

Plans, the Contractor shall apply to the Engineer in writing for such further explanations as may be necessary and shall conform to them as part of the contract. All responses from the Engineer shall be in writing. In the event of any doubt or question arising respecting the true meaning of these Specifications, the Special Provisions or the Plans, reference shall be made to the Engineer, whose decision thereon shall be final.

The Contractor shall examine carefully the site of the work and the Plans and Specifications therefore. The Contractor shall investigate and satisfy himself/herself as to conditions to be encountered, the character, quality and quantity of surface, subsurface materials or obstacles to be encountered, the work to be performed, materials to be furnished, and as to the requirements of the bid, plans and specifications of the contract.

1-1.02 Plans

The bidder's attention is directed to the provisions in Section 1-1.03 "Terms and Definitions", of the Standard Specifications and Section 1-1.07 "Definitions" of the Caltrans Specifications.

1-1.03 Terms and Definitions

Wherever in the Standard Specifications, Special Provisions, Notice to Contractors, Proposal, Contract, or other contract documents the following terms are used, the intent and meaning shall be interpreted as follows:

City or Owner -	City of Stockton
Director -	Director of Public Works, City of Stockton
Standard Specifications -	Latest City of Stockton, Standard Plans and Specifications, and any amendments and revisions thereto.
Caltrans Specifications -	State of California, Department of Transportation, 2018 Standard Plans and Specifications, and any amendments and revisions thereto.
Laboratory -	City of Stockton Department of Public Works Laboratory or consultant's laboratory
Department -	Department of Public Works, City of Stockton
Engineer -	City Engineer, City of Stockton, acting either directly or through properly authorized Engineer agents and consultants
California MUTCD	Latest edition of California Manual on Uniform Traffic Control Devices (MUTCD), and any amendments and revisions thereto.
Working Day	Defined as any eight-hour day, except as follows: Saturdays, Sundays, and City recognized holidays.

1-1.04 Proposal Requirements and Conditions

General

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

The Bidder's Bond form mentioned in the last paragraph in Section 2-1.07, "Proposal Guaranty," of the Standard Specifications will be found following the signature page of the Proposal.

In conformance with Public Contract Code Section 7106, a Noncollusion Declaration is included in the Proposal. Signing the Proposal shall also constitute signature of the Noncollusion Declaration.

SECTION 2 – AWARD AND EXECUTION OF CONTRACT

Refer to the Instructions to the Bidders and Section 2, "Bidding" of the Standard Specification.

In case of Bid protests, attention is directed to the provisions in Section 2-1.51, "Bid Protests" of the Standard Specifications. The party filing the protest must have submitted a bid for the work. A subcontractor of a bidder may not submit a bid protest.

2-1.01 Bid Protests

Bid protests must be submitted within 48 hours of posting of bid results.
Bid protests are to be delivered to the following address:

Attention: Zulema Rodriguez
City of Stockton
Public Works Department
22 E. Weber Avenue, Room 301
Stockton, CA 95202

2-1.02 Contract Award and Execution

If the City awards the Contract, the award is made to the lowest responsible bidder within 90 days after the day of the bid opening.

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

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

The contract shall be executed by the successful bidder and shall be returned, together with the contract bonds, to the City so that it is received within 10 working days after the bidder has received the contract for execution. Failure to do so shall be just cause for forfeiture of the proposal guaranty. The executed contract documents shall be delivered to the address noted above.

2-1.03 Bid Rigging

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

SECTION 3 – PROSECUTION AND PROGRESS

Attention is directed to the provisions in Section 8, "Prosecution and Progress" of the Caltrans Specifications and these Special Provisions.

3-1.01 Beginning of Work

Attention is directed to the provisions in Section 8-1.03, "Beginning of Work", of the Standard Specifications and these Special Provisions.

At no time shall construction begin without receiving notice that the contract has been approved by the City Attorney or an authorized representative. The Contractor shall follow the sequence of construction and progress of work as specified in Section 9-1.01, "Order of Work", of these Special Provisions.

The Contractor shall diligently prosecute all work items to completion.

Full compensation for any additional costs occasioned by compliance with the provisions in this section shall be considered as included in the prices paid for the various contract items of work, and no additional work compensation will be allowed therefore.

Understanding of Conditions

Bidders will be required to carefully examine these Special Provisions and attachments to judge for themselves as to the nature of the work to be done and the general conditions relative thereto and the submission of a proposal hereunder shall be considered prima-facie evidence that the bidder has made the necessary investigation and is satisfied with

respect to the conditions to be encountered, the character, quantity and quality of the work performed. For work to be completed, contractors are advised to visit and review the job site prior to the submission of their bid. Bids not presented on the City forms shall be cause for considering the bid as non-responsive.

Bidders must be thoroughly competent and capable of satisfactorily performing the work covered by the proposal, and when requested shall furnish such statements relative to previous experience on similar work, the plan or procedure proposed, and the organization and the equipment available for the contemplated work, and any other as may be deemed necessary by the City Engineer in determining such competence and capability.

It shall be understood that the Contractor shall be required to perform and complete the proposed work in a thorough and diligent manner, and to furnish and provide in connection therewith all necessary labor, tools, implements, equipment, materials and supplies. The Contractor is responsible to take all necessary precautions and use best practices in the industry to perform all work required to complete the project.

3-1.02 Time of Completion

Attention is directed to the provisions in Section 8, "Prosecution and Progress", of the Standard Specifications, Caltrans Specifications, and these Special Provisions.

The contract for the performance of the work and the furnishing of materials shall be executed within ten (10) days after the issuance of Notice to Proceed.

Submittals shall be delivered to the Engineer within thirty (30) calendar days of execution of contract. Contractor shall not start any work on the job site until the Engineer approves the submittals. Refer to section 3-1.04, "Submittals" of these Special Provisions. The Contractor shall only enter the jobsite prior to approval of the above submittals for purposes of measuring field dimensions and locating utilities.

The Contractor shall diligently prosecute the contract work to completion within sixty (60) working days. The days to finish the punch list, provided by the City, are included in the Original Working Days.

Notice to Proceed will not be issued until all complete submittals have been reviewed at least once. Correction indicated on submittals shall be considered as changes necessary to meet the requirements of the Contract Documents and shall not be taken as the basis for changes to the contract requirements. The Engineer's review of Contractor Shop Drawing submittals shall not relieve the contractor of the entire responsibility for the correctness of details and dimensions. The Contractor shall assume all responsibility and risk for any misfits due to error in Contractor submittals. The Contractor shall be responsible for the dimension and the design of adequate connections and details.

Prior to Notice to Proceed, the Contractor shall indicate in writing when all hardware and equipment will be delivered to the project site. Based on the indicated delivery date, the

date to commence the work will be issued by the City. If by any unforeseen action, the established delivery date cannot be made, the Contractor shall provide the City with a letter from the manufacturer indicating the reason why the delivery date cannot be met. The letter shall also indicate the revised delivery date. The City reserves the right to either accept the reason or to reject it. A letter from vendor is not acceptable.

Should the Contractor choose to work on a Saturday, Sunday, or holiday recognized by the labor unions, the Contractor shall reimburse the City of Stockton the actual cost of engineering, inspection, testing, superintendent, and/or other overhead expenses, which are directly chargeable to the contract. Should such work be undertaken at the request of the City, reimbursement will not be required.

3-1.03 Liquidated Damages

Attention is directed to the provisions in Section 8-1.10, "Liquidated Damages", of the Caltrans Specifications and these Special Provisions.

The Contractor shall pay liquidated damages to the City of Stockton in the amount of **\$3,500 (thirty-five hundred dollars)** per day for each and every calendar day that the work, with the exception of the maintenance period, remains incomplete after the expiration of the contract working days specified in these Special Provisions.

Full compensation for any costs required to comply with the provisions in this section shall be considered to be included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefore.

3-1.04 Submittals

The following is a list of anticipated submittals for the project. The list is provided to aid the Contractor in determining the scope of work, but is not intended to be all inclusive and additional submittals may be required:

- 1) Baseline Progress Schedule (Critical Path Method)
- 2) Pre-Construction Survey
- 3) Temporary Traffic Control (includes Pedestrian Detour Plan) if different from approved plans (per MUTCD 2014, Latest Revision)
- 4) Contractor Safety Plan
- 5) Pre-construction Monument Preservation Survey
- 6) Portland Cement Concrete Mix Design (sidewalk and streetlight foundation)
- 7) Asphalt Mix Design
- 8) Staging Agreement with private property owners (if applicable)
- 9) City of Stockton Encroachment Permit (City Pays Fee)
- 10) City's Construction and Demolition Debris Recycling Report
- 11) List of submittals
- 12) Product submittals
- 13) Lead Compliance Plan
- 14) Storm Water Pollution Prevention Plan (SWPPP)

The Contractor shall transmit each submittal to the Engineer for review and approval. Submittals shall be sequentially numbered on the submittal list form. Resubmittals shall be identified with the original number and a sequential resubmittal suffix letter. The original submittal shall be numbered X. The first resubmittal shall be numbered X-a and so on. Identify on the form the date of the submittal, and Contractor, Subcontractor or supplier. Any incomplete submittals will be returned for resubmittal.

Schedule submittals to expedite the Project, and deliver to Engineer at the Engineer's office, see Section 10-1.01, "Order of Work," of these Special Provisions.

For each submittal for review, allow 15 calendar days excluding delivery time to and from the Contractor.

When revised for resubmission, identify all changes made since previous submission.

Distribute copies of reviewed submittals as appropriate. Instruct parties to promptly report any inability to comply with requirements.

Within 10 calendar days after Notice of Award submit a complete list of all submittals to be submitted and the dates when they will be submitted. **All submittals shall be submitted within 30 calendar days from the date the Notice of Award; otherwise project working days will commence, with or without issuance of the Notice to Proceed.**

Wherever called for in the Contract Documents, or where required by the Engineer, the Contractor shall furnish to the Engineer for review, 1 set, plus one reproducible copy, of each shop drawing submittal. The term "Shop Drawings" as used herein shall be understood to include detail design calculations, shop drawings, fabrication and installation drawings, erection drawings, list, graphs, catalog sheets, data sheets, and similar items. Whenever the Contractor is required to submit design calculations as part of a submittal, such calculations shall bear the signature and seal of an engineer registered in the appropriate branch and in the state of California, unless otherwise directed.

Normally, a separate submittal form shall be used for each specific item or class of material or equipment for which a submittal is required. Transmittal of a submittal of various items using a single form will be permitted only when the items taken together constitute a manufacturer's "package" or are so functionally related that expediency indicates review of the group or package as a whole. A multi-page submittal shall be collated into sets, and each set shall be stapled or bound, as appropriate, prior to transmittal to the Engineer.

Except as may otherwise be indicated herein, the Engineer will return prints of each submittal to the Contractor with their comments noted on the submittal. The Contractor shall make complete and acceptable submittals to the Engineer by the second submission

of a submittal item. The City reserves the right to withhold monies due to the Contractor to cover additional costs of the Engineer's review beyond the second submittal.

If a submittal is returned to the Contractor marked "NO EXCEPTIONS TAKEN", formal revision and resubmission of said submittal will not be required.

If a submittal is returned to the Contractor marked "MAKE CORRECTIONS NOTED", formal revision and resubmission of said submittal will not be required.

3-1.05 Non-Highway Facilities

Attention is directed to Section 5-1.26, "Preservation of Property" and Section 4-1.08, "Indemnification and Insurance" of these Special Provisions, Section 7-1.12, "Indemnification and Insurance" of the Standard Specifications, and Section 5-1.36D, "Nonhighway Facilities," of the Caltrans Specifications. The Contractor shall protect from damage utility and other non-highway facilities that are to remain in place, be installed, relocated or otherwise rearranged.

SECTION 4 - GENERAL

4-1.01 Project Appearance

Attention is directed to Section 4-1.13 "Cleanup" of the Caltrans Specifications and these Special Provisions.

The Contractor shall maintain a neat appearance to the work.

Broken concrete and debris developed during clearing and grubbing shall be disposed of concurrently with its removal. Contractor shall pay to the City of Stockton the sum of **Two Hundred Fifty Dollars (\$250)** for every calendar day where debris has remained on the job site overnight.

Full compensation for conforming to the provisions in 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 therefore.

4-1.02 Maintaining Public Convenience and Safety

Attention is directed to Sections 7-1.03, "Public Convenience", 7-1.04, "Public Safety", and Section 12, "Temporary Traffic Control", of the Caltrans Specifications. Attention is also directed to Part 6 of the California MUTCD and Sections 7-1.08, "Public Convenience", 7-1.09, "Public Safety", of Standard Specifications, and Section 9-1.10, "Maintaining Traffic" of these Special Provisions.

4-1.03 Trench Safety

The Contractor shall furnish all labor, equipment, and materials required to design, construct, and remove all shoring, lagging, cribbing, piling, and/or other types of support for the wall of any open excavation required for the construction of this project.

Attention of the Contractor is directed to Sections 7-1.02K(6) (b), "Excavation Safety" of the Standard Specifications and these Special Provisions.

In making excavations for the project, the Contractor shall be fully responsible for providing and installing adequate sheeting, shoring, and bracing, as may be necessary as a precaution against slides or cave-ins and to fully protect all existing improvements of any kind from damage.

Wherever applicable, the Contractor shall obtain a permit from the Division of Industrial Safety and shall submit a copy of the approved permit to the Engineer prior to the start of excavations. The cost of the permit shall be included in the total bid costs. The criteria given by the California Department of Industrial Relations are MINIMUM for the conditions shown thereon. In addition to shoring the excavation as specified, it shall be the Contractor's responsibility to provide any and all additional shoring required to support the sides of the excavation against the effects of loads, which may exceed those derived by using the criteria set forth by said governing agency.

The Contractor shall be solely responsible for any damages which may result from his failure to provide adequate shoring to support the excavations under any or all of the conditions of loading which may exist or which may arise during the construction project. Nothing herein shall be deemed to allow the use of shoring, sloping, or protective system less effective than that required by the Construction Safety Orders of the Division of Industrial Safety.

Excavation of 5 feet or more in depth will require an excavation permit from the State of California, Department of Industrial Safety.

Full compensation for conforming to the provisions in this section shall be included in the prices paid for the various bid items, and no additional compensation will be made therefore.

4-1.04 Public Convenience

Contractor's attention is directed to the "Maintaining Traffic" section of these Special Provisions.

The Contractor shall notify San Joaquin Regional Transit District (SJRTD) a minimum of five (5) working days prior to beginning work. The Contractor shall coordinate with SJRTD if any bus stops and bus routes are affected.

The Contractor shall inform Lodi Unified School District, the City Trash Collection Department, the City Fire Department, City Police Department, Municipal Utilities District (MUD), and all affected utilities no later than three (3) working days before work is to begin.

The Contractor shall provide the City with the name and telephone number (business, home and mobile) of three (3) representatives available at all times during the duration of the contract. Said names and telephone numbers shall be provided to the City of Stockton Public Works, Fire, and Police Departments.

The Contractor shall circulate printed form letters, approved by the Engineer, explaining the project to be done and the length of time inconvenience will be caused by the project and deliver same to the residents and businesses to be affected at least three (3) working days before work is to commence on their street. In addition, the Contractor shall provide temporary "No Parking" signs posted three (3) working days in advance of the work. Such signs shall be placed no further than fifty (50) feet apart. The additional "No Parking" signs shall be removed upon completion of the work and the opening of the street to traffic. It shall be the Contractor's responsibility to remove any vehicles obstructing his operations.

Full compensation for conforming to the provisions in this section shall be included in the prices paid for various bid items, and no additional compensation will be made therefore.

4-1.05 Public Safety

Contractor's attention is directed to the Section 9-1.10 "Maintaining Traffic" section of these Special Provisions and Section 7-1.04 "Public Safety" of the Standard Specifications. Nothing in the Specifications voids the contractor's public safety responsibilities.

All safety devices, their maintenance, and use shall conform to the latest requirements of OSHA and shall conform to the applicable provisions of the Part 6 "Temporary Traffic Control", of the **California MUTCD**. It shall be the complete responsibility of the Contractor to protect persons from injury and to avoid property damage. Adequate barricades, construction signs, flashers, and other such safety devices, as required, shall be placed and maintained during the progress of the construction work, until the project is completed. Whenever required, flaggers shall be provided to control traffic.

The Contractor shall provide for the proper routing of vehicles and pedestrian traffic in a manner that will hold congestion and delay of such traffic to practicable minimum by furnishing, installing, and maintaining all necessary temporary signs, barricades, and other devices and facilities, as approved by the City Traffic Engineer. As the work progresses, the Contractor shall relocate, subject to the City Traffic Engineer's approval, such devices and facilities as necessary to maintain proper routing. The Contractor shall notify the City Traffic Engineer a minimum of three (3) working days prior to the relocation of any traffic control devices.

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

Full compensation for conforming to the provisions in this section, including furnishing and installing Type K Temporary Railing and temporary crash cushion modules wherever required, shall be considered as included in the lump sum price paid for "Traffic Control System", and no additional compensation will be allowed therefor.

Full compensation for furnishing, installing, moving, and removing of all necessary traffic control devices including, but not limited to, Type K Temporary Railing and temporary crash cushion modules, signing, striping, barricades, and flagging shall be included in the bid item for "Traffic Control System", as shown on the bid schedule, and no additional compensation will be allowed therefor.

4-1.06 Rights in Land

All work, equipment parking, or any other activity associated with the project shall be confined to the project limits within the street rights-of-way. The Contractor's use of any other property exclusively in connection with this project shall be by a written agreement between the property owner and the Contractor. A certified copy of any such agreement shall be furnished to the Engineer prior to the use of such property by the Contractor.

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

4-1.07 Staging Area

Attention is directed to Section 51-.36E, "Use of Private Property", of the Standard Specifications and these Special Provisions.

The street right-of-way shall be used only for activities that are necessary to perform the required work. The Contractor shall not occupy the right-of-way or allow others to occupy the right-of-way for material storage or other purposes that are not necessary to perform the required work.

The Contractor shall secure at his own expense any area required for plant sites, storage of equipment or materials, or for other purposes.

4-1.08 Construction Staking

Section 5-1.26, "Construction Surveys", of the Standard Specifications is deleted, and replaced with the following:

1. The Contractor shall be responsible for all construction survey stakes necessary to construct the project in accordance to the lines, grades, sections,

- stage construction/traffic handling, and traffic signalization, pavement delineation plan described in the Plans and Specifications.
2. Contractor shall be responsible referencing all existing monumentation within the limits of the project prior to removal of any existing monuments. Monument referencing shall be reviewed and approved by the engineer prior to commencing of the work.
 3. The Contractor shall employ a Land Surveyor registered in the State of California or an appropriately registered Civil Engineer to perform such survey work. All stakes and marks set by the Contractor's Land Surveyor or Civil Engineer shall be carefully preserved by the Contractor. In case such stakes and marks are destroyed or damaged, they will be promptly replaced, at the direction of the Engineer at no additional cost to the City. Copies of all field notes and cut sheets shall be provided to the City at no additional cost to the City.
 4. Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work involved in establishing the lines and grades, as specified in these Special Provisions, shall be included in various items of work per Sections 6-1.03, "Payments" and 8-1.01, "Description of Work" of these Special Provisions, and no additional compensation will be made therefor.
 5. Because Construction staking is not to be performed by the Engineer that prepared the plans, the firm of Siegfried Engineering, Inc. cannot take responsibility for errors and omissions, if any, which might occur and which could have been avoided or detected and/or corrected and mitigated had Siegfried Engineering, Inc. performed the construction staking work and made on-site interpretation and adjustment of the Plans, if necessary.

4-1.09 Increased or Decreased Quantities

The City reserves the right to make such alterations, deviations, additions to, or omissions from the Plans and Specifications, including the right to increase or decrease the quantity of any item or portion of the work or to omit any item or portion of the work, as may be deemed by the Engineer to be necessary or advisable and to require such extra work as may be determined by the Engineer to be required for the proper completion or construction of the whole work contemplated, without adjustment in the unit price as bid.

Attention is directed to Section 4-1.05, "Changes and Extra Work," of the Standard Specifications. Any such changes will be set forth in a contract change order, which will specify the work to be done in connection with the change made, adjustment of contract time, if any, and the basis of compensation for such work. A contract change order will not become effective until approved by the City Manager and / or City Council.

4-1.10 Changes and Extra Work

New and unforeseen work will be classed as extra work when determined by the Engineer that the work is not covered by any of the various items for which there is a bid price or by combinations of those items. In the event portions of this work are determined by the Engineer to be covered by some of the various items for which there is a bid price or combinations of those items, the remaining portion of the work will be classed as extra work. Extra work also includes work specifically designated as extra work in the Plans or Specifications.

The Contractor shall do the extra work and furnish labor, material and equipment therefore upon receipt of an approved contract change order or other written order of the Engineer, and in the absence of an approved contract change order or other written order of the Engineer, the Contractor shall not be entitled to payment for the extra work.

If, in the opinion of the Engineer, such work cannot reasonably be performed concurrently with other items of work, and if a controlling item of work is delayed thereby, an adjustment of contract time will be made.

Payment for extra work required to be performed pursuant to the provisions in this Section 4-1.10, in the absence of an executed contract change order, will be made by force account as provided in Section 9-1.04 "Force Account" of the Caltrans Specifications; or as agreed to by the Contractor and the Engineer.

4-1.11 Stop Notice Withholds

Section 9-1.16E(4) "Stop Notice Withholds" of the Caltrans Specifications is amended to read as follows:

"The City of Stockton, by and through the Department of Public Works, may at its option and at any time retain out of any amounts due the Contractor, sums sufficient to cover claims, filed pursuant to Section 3179 et seq. of the Code of Civil Procedures."

4-1.12 Dust Control, Apply Water, Site Maintenance, and Cleanup

Dust control shall conform to any requirements set forth in the San Joaquin Valley Air Pollution Control District Construction Notification Form, the provisions in Section 10-5, "Dust Control" of the Caltrans Specifications, and these Special Provisions. Use of water except for recycled, reclaimed, or other non-potable water for the purpose of dust control or other construction uses unless for health or safety purposes is prohibited. All dust control operations shall be performed by the Contractor at the time, location and in the amount ordered by the Engineer. The application of either water or dust palliative shall be under the control of the Engineer at all times." Watering shall conform to the provisions of Section 10-6 "Watering" of the Caltrans Specifications and these Special Provisions. Attention is also directed to Section 18 "Dust Palliative" of the Caltrans Specifications and these Special Provisions.

During construction, the Contractor shall remove all rubbish and debris as it is generated. Upon completion of the work, the Contractor shall remove all equipment, debris, and shall leave the site in a neat, clean condition all to the satisfaction of the Engineer. A permit shall be obtained from the Municipal Utilities Department, or California Water Service, as applicable, for construction water obtained from City hydrants. This permit shall be approved by the City of Stockton Fire Department.

The Contractor shall conduct and cause all working forces at the site to maintain the site in a neat, orderly manner throughout the construction operations. The work shall be conducted in a manner that will control the dust. When ordered to provide dust control, the Contractor shall use water to reduce the dusty conditions all to the satisfaction of the Engineer. During construction, the Contractor shall remove all rubbish and debris as it is generated. The Contractor shall pay to the City of Stockton the sum of **Two Hundred Fifty Dollars (\$250)** for every calendar day where debris has remained on the job site overnight. Upon completion of the work, the Contractor shall remove all equipment and debris, and shall leave the site in a neat, clean condition all to the satisfaction of the Engineer.

4-1.13 Pre-Construction Meeting

The City of Stockton Public Works Department will schedule a pre-construction meeting with the Contractor following award of the contract and prior to commencing work (Contact: Ivan Reynoso 209-937-7390). The City will issue the Notice to Proceed following execution of the Contract. This meeting will be held in the City of Stockton, Public Works Department.

4-1.14 Post-Construction Meeting

The Contractor shall attend a post-construction meeting that will be arranged by the Public Works Department (Contact: Ivan Reynoso 209-937-7390) after completion of work and prior to acceptance and final payment. The project Design Engineer and the project Inspector will also attend this meeting. The purpose of the meeting will be to discuss the project and any related issues that can help improve future Public Works construction projects. This meeting will be held in the City of Stockton, Public Works Department.

4-1.15 As-Built/Record Drawings

The Contractor shall maintain a complete set of drawings on-site for the purpose of keeping up to date all field modifications. This plan set shall be available for review by the project Inspector and the Engineer. These plans shall be provided to the Inspector after the completion of construction at the Post-Construction Meeting and prior to the final payment. All revisions, modifications, and/or changes shall be marked clearly. Notes and dimensions shall be in red and be clear and legible. These plans will be used by the Engineer to mark up the original plan sheets with the revisions made during construction.

A list shall be maintained of any trees removed during the course of construction by the Contractor or his Subcontractor, identifying the location, size, and species (common name). This list shall be submitted at the Post-Construction Meeting.

Full compensation for furnishing the As-Built/Record Drawings shall be considered included in the prices paid for the various bid items of work, and no additional compensation will be considered therefore.

4-1.16 Maintaining Existing and Temporary Electrical Systems

Maintaining existing electrical systems and communication systems shall conform to the provisions of Section 87-20, "Temporary Electrical Systems," and Section 87-21.03B, "Maintaining Existing Electrical Systems," of the Caltrans Specifications and these Special Provisions.

4-1.17 Notice of Potential Claim

The Contractor shall not be entitled to the payment of any additional compensation for any cause, or for the happening of any event, thing, or occurrence, including any act or failure to act, by the Engineer, unless he has given the Engineer due written notice of potential claim as hereinafter specified. However, compliance with Section 4-1.21 shall not be a prerequisite for matters within the scope of the protest provisions under "Changes" or "Time of Completion" or within the notice provisions in "Liquidated Damages". The written notice of potential claim shall set forth the items and reasons which the Contractor believes to be eligible for additional compensation, the description of work, the nature of the additional costs and the total amount of the potential claim. If based on an act or failure to act by the Engineer, written notice for potential claim must be given to the Engineer prior to the Contractor commencing work. In all other cases, written notice for potential claims must be given to the Engineer within 15 days after the happening of the event, thing or occurrence giving rise to the potential claim.

It is the intention of this Section that potential differences between the parties of this Contract be brought to the attention of the Engineer at the earliest possible time so that appropriate action may be taken and settlement may be reached. The Contractor hereby agrees that he shall have no right to additional compensation for any claim that may be based on any act or failure to act by the Engineer or any event, thing or occurrence for which no written notice of potential claim was filed.

4-1.18 Permits

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work. The Environmental Quality Act (Public Resources Code, Sections 21000 to 21176, inclusive) may be applicable to permits, licenses and other authorizations which the Contractor must obtain from local agencies in connection with performing the work of the contract. The Contractor shall comply with the provisions of those statutes in obtaining the permits, licenses and other authorizations and they shall be obtained in sufficient time to prevent delays to the work. In the event that the City has obtained permits, licenses or other authorizations, applicable to the work, in conformance with the requirements in the Environmental Quality Act, the Contractor shall comply with the provisions of those permits, licenses and other authorizations. The following is a non-inclusive list of the required permits and/or licenses:

- Contractor's License. At a minimum the Contractor shall possess at the time of bid and maintain throughout the duration of the contract, a valid California Class A License.
- Business License. Contractor shall possess prior to the execution of the contract and maintain throughout the duration of the contract, a valid City of Stockton business license.
- City of Stockton Encroachment Permit (City pays fee). The permit shall be obtained from the City of Stockton Public Works Department. The Contractor shall notify the City 3 Working Days in advance of starting any work to be accepted for ownership and maintenance by the City of Stockton.
- Construction Notification, dust control. The contractor is responsible for the preparation and submittal of the San Joaquin Valley Air Pollution Control District Construction Notification Form. A copy of the form can be found at the following web site: <http://www.valleyair.org>.
- Construction and Demolition Debris Recycling Report. The Contractor must complete the Construction and Demolition (C&D) Debris Recycling Report within sixty (60) days of construction or demolition project completion. The completed form must be accompanied by the official weight tags or receipts verifying the information provided in the report and must be submitted to the City of Stockton Public Works Department, Solid Waste Division, 22 E. Weber Avenue, Room 301, Stockton, CA 95202. Failure to provide the C&D Debris Recycling Report form will result in a five percent (5%) withholding of the contract amount.
- Construction Water. The Contractor is responsible for obtaining a permit for water from California Water Service, if needed, for construction water obtained from a City hydrant.

All costs incurred shall be included in the various bid items and no additional compensation will be made therefore.

4-1.19 Prompt Progress Payment to Subcontractors

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

deficient subcontract performance, or noncompliance by a subcontractor. This provision applies to both DBE and non-DBE subcontractors.

4-1.20 Prompt Payment of Funds Withheld to Subcontractors

The agency shall hold a five-percent (5%) retainage from the prime contractor and shall make prompt and regular incremental acceptances of portions, as determined by the agency, of the contract work and pay retainage to the prime contractor based on these acceptances. The prime contractor or subcontractor shall return all monies withheld in retention from a subcontractor within 30 days after receiving payment for work satisfactorily completed and accepted including incremental acceptances of portions of the contract work by the agency. Federal law (49 CFR 26.29) requires that any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of this provision shall subject the violating prime contractor or subcontractor to the penalties, sanctions and other remedies specified in Section 7108.5 of the Business and Professions Code. These requirements shall not be construed to limit or impair any contractual, administrative, or judicial remedies otherwise available to the prime contractor or subcontractor, in the event of a dispute involving late payment or nonpayment by the prime contractor, deficient subcontract performance or noncompliance by a subcontractor. This provision applies to both DBE and no-DBE prime contractors and subcontractors.

4-1.21 Unsatisfactory Progress

If the number of working days charged to the contract exceeds 75 percent of the working days in the current time of completion and the percent working days elapsed exceeds the percent work completed by more than 15 percentage points, the City will withhold 10 percent of the amount due on the current monthly estimate.

The percent working days elapsed will be determined from the number of working days charged to the contract divided by the number of contract working days in the current time of completion, expressed as a percentage. The number of contract working days in the current time of completion shall consist of the original contract working days increased or decreased by time adjustments approved by the Engineer.

The percent work completed will be determined by the Engineer from the sum of payments made to date plus the amount due on the current monthly estimate, divided by the current total estimated value of the work, expressed as a percentage.

When the percent of working days elapsed minus the percent of work completed is less than or equal to 15 percentage points, the funds withheld shall be returned to the Contractor with the next monthly progress payment.

Funds kept or withheld from payment, due to the failure of the Contractor to comply with the provisions of the contract, will not be subject to the requirements of Public Contract Code 7107 or to the payment of interest pursuant to Public Contract Code Section 10261.5.

4-1.22 Air Pollution Control

Attention is direction to Section 14-9.02 "Air Pollution Control" of the Caltrans Specifications.

Comply with air pollution control rules, regulations, ordinances, and statutes that apply to work performed under the contract, including air pollution control rules, regulations, ordinances, and statutes provided in government code 11017 (Pub Cont Code 10231).

Do not burn material to be disposed of.

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

4-1.23 Records

The Contractor shall maintain cost accounting records for the contract pertaining to, and in such a manner as to provide a clear distinction between, the following 6 categories of costs of work during the life of the contract:

- A. Direct costs of contract item work.
- B. Direct costs of changes in character in conformance with Section 4-1.05B and Section 9-1.15, "Work-Character Changes," of the Caltrans Specifications.
- C. Direct costs of extra work in conformance with Section 4-1.10, "Changes and Extra Work," of these special provisions.
- D. Direct costs of work not required by the contract and performed for others.
- E. Direct costs of work performed under a notice of potential claim in conformance with the provisions in Section 5-1.43, "Potential Claims and Dispute Resolution," of the Caltrans Specifications and these Special Provisions.
- F. Indirect costs of overhead.

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

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

4-1.24 Noncompliant and Unauthorized Work

Correct or remove and replace work that does not comply with the Contract, is unauthorized, or both. The City does not pay for any of the following:

1. Corrective, removal, or replacement work

2. Unauthorized work

If ordered, submit a work plan for the corrective, removal, or replacement work. The City may reduce payment for noncompliant work left in place. If the Contractor fails to comply promptly with an order under section 5-1.30, "Noncompliant and Unauthorized Work", the City may correct, remove, or replace noncompliant or unauthorized work. The City deducts the cost of this work.

4-1.25 Preservation of Property

Attention is directed to Section 7-1.05, "Indemnification," of the Standard Specification and to Section 4-1.05, "Non-Highway Facilities" of these Special Provisions. Due care shall be exercised to avoid injury to existing highway improvements or facilities, utility facilities, adjacent property, and roadside trees shrubs and other plants that are not to be removed. Roadside trees, shrubs and other plants that are not to be removed, and pole lines, fences, signs, markers and monuments, buildings and structures, conduits, pipelines under or above ground, sewer and water lines, all highway facilities and any other improvements or facilities within or adjacent to the highway shall be protected from injury or damage, and if ordered by the Engineer, the Contractor shall provide and install suitable safeguards, approved by the Engineer, to protect the objects from injury or damage. If the objects are injured or damaged by reason of the Contractor's operations, the objects shall be replaced or restored at the Contractor's expense.

The facilities shall be replaced or restored to a condition as good as when the Contractor entered upon the work, or as good as required by the specifications accompanying the contract, if any of the objects are a part of the work being performed under the contract. The Engineer may make or cause to be made those temporary repairs that are necessary to restore to service any damaged highway facility. The cost of the repairs shall be borne by the Contractor and may be deducted from any moneys due or to become due to the Contractor under the contract. The fact that any underground facility is not shown upon the Plans shall not relieve the Contractor of the responsibility under Section 3-1.05, "Non-Highway Facilities" of these Special Provisions. It shall be the Contractor's responsibility, pursuant thereto, to ascertain the location of those underground improvements or facilities which may be subject to damage by reason of the Contractor's operations.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in protecting or repairing property as specified in this Section 4-1.25, "Preservation of Property," shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed therefor.

4-1.26 Differing Site Conditions

Attention is directed to the provisions in Section 4-1.06, "Differing Site Conditions (23 CFR 635.109)," of the Caltrans Standard Specification. It is the Contractor's responsibility to notify the Engineer if he/she finds physical conditions differing materially from contract documents.

a. Contractor's Notification

Promptly notify the Agency's Engineer if you find either of the following conditions:

1. Physical conditions differing materially from either of the following:

- Contract documents
- Job site examination

2. Physical conditions of an unusual nature, differing materially from those ordinarily encountered and generally recognized as inherent in the work provided for in the Contract

Include details explaining the information you relied on and the material differences you discovered. If you fail to promptly notify the Engineer, you waive the differing site condition claim for the period between your discovery of the differing site condition and your notification to the Engineer. If you disturb the site after discovery and before the Engineer's investigation, you waive the differing site condition claim.

b. Engineer's Investigation and Decision

Upon your notification, the Engineer investigates job site conditions and:

1. Notifies you whether to resume affected work
2. Decides whether the condition differs materially and is cause for an adjustment of time, payment, or both.

SECTION 5 – CONTROL OF MATERIALS

5-1.01 City-Furnished Materials

Blank.

5-1.02 Buy America Requirements

Not Required.

5-1.03 Quality Assurance Program

Refer to Instruction to Bidders.

5-1.04 Testing

Testing of materials and work shall conform to the provisions in Section 6, "Control of Materials" of the Caltrans Specifications and these special provisions. Whenever the provisions of Section 6 of the Caltrans Standard Specifications refer to tests or testing, it shall mean tests to assure the quality and to determine the acceptability of the materials and work. Contractor's attention is directed to the City's Quality Assurance Program in Instructions to Bidder Package.

Contractor shall hire a certified, independent from contractor's company, laboratory to conduct compaction and material testing. Testing includes and not limited to compaction testing and material testing. A relative compaction of 95% is expected on AC overlay, roadway sub grade and sidewalk areas.

Compaction testing will be required for subsoil, AB, and hot mix asphalt. For AB, sieve analysis, cleanness value, and R value may be provided by the vendor if the source is consistent.

For Asphalt Concrete, certificate of compliance, one sieve analysis, and one oil content test per day is required from supplier.

For concrete, certificate of compliance for Curb Gutter/Sidewalk, driveway, and ADA ramp or ASTM C39 compaction test, 4 cylinders per day, with a required 28 day strength of 3,000 psi is required.

Full compensation for performing the work in these specifications shall be included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefore.

SECTION 6 - MEASUREMENT AND PAYMENT

6-1.01 General

Attention is directed to Section 9 "Payment" of the Caltrans Specifications, and these Special Provisions. All measurements and payments for this work shall conform to all applicable provisions on Section 7 of these Special Provisions and Section 9 "Payment" of the Caltrans Specifications.

All materials designated to be removed shall become the property of the Contractor, unless otherwise noted, and shall be disposed in accordance with local, State, and Federal laws and ordinances.

Full compensation for disposal of materials and performing the work in these Special Provisions shall be included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefore.

6-1.02 Schedule of Values

Submit a schedule of values within 15 days after Contract approval. Value schedules for each lump sum bid item shall be prepared and submitted to the Engineer as set forth in Section 9-1, "Lump Sum Contracts", of the Standard Specifications and Section 9-1.16B, "Schedule of Values," of the Caltrans Specifications. Unless otherwise approved by the Engineer, materials on hand, but not incorporated into the work, shall not be included for measurement or for purposes of payment.

6-1.03 Payments

Attention is directed to Section 9-1.17, "Payment After Contract Acceptance", Section 9-1.16, "Progress Payments", and Section 9-1.17D, "Final Payment and Claims", of the Caltrans Specifications. No partial payment will be made for any materials that are furnished on hand, but not yet installed or incorporated in the work.

Upon completion of all of the work included herein, including approved contract change orders as appropriate, the Contractor may request that the Engineer file a Notice of Completion for the purposes of relief of maintenance and release of retention.

Schedule of Measurement and Payment:

1. Mobilization

By lump sum. All costs connected with mobilization of Contractor's operations as described in Section 9 of the Caltrans Specifications will be paid for at the Contract price as described in Section 9 of the Caltrans Specifications.

2. Staking

By lump sum: Includes all construction survey stakes necessary to

construct the project in accordance to the lines, grades, sections, stage construction/traffic handling, and traffic signalization, pavement delineation plan, and monumentation referencing and preservation described in the Plans and Specifications

3. Traffic Control System
By lump sum. Includes designing, providing, erecting and maintaining traffic control and signage as indicated on the plans, described in Section 12 of the Caltrans Standard Specifications, and described the California MUTCD and these Special Provisions. Also includes performing all the work related to safe management of pedestrian, bicycle and vehicular traffic during construction of the project, including Traffic Control Plans and flaggers.
4. Clearing and Grubbing
By lump sum. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Sections 15 & 17 of the Caltrans Standard Specifications, and described in these Special Provisions. Also includes cutting, removing and sealing roots encountered during this operation and modifications to existing irrigation.
5. Sawcut
By the linear foot. Includes providing all the labor, material, tools, equipment, and incidentals for sawcutting asphalt concrete and concrete as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
6. Roadway Excavation
By the cubic yard. Includes excavating, and removing waste materials from the site, as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
7. Rough and Finish Grading
By the square foot. Includes grading the subgrade in preparation of the finished grade sections, as well as excavating, and removing waste materials from the site, as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
8. Remove Curb & Gutter
By the linear foot. Includes excavating, removing existing concrete curb and gutter, off haul, stones, base and debris, compacting and finishing subgrade, loading and removing waste materials from the site and performing the work as indicated on the Plans, described in Section 15

of the Caltrans Standard Specifications, and described in these Special Provisions.

9. **Remove Sidewalk**
By the square foot. Includes excavating, removing existing concrete, off haul, stones, base and debris, loading and removing waste materials from the site, and performing the work as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
10. **Grind Asphalt Concrete**
By the square foot. Includes providing all the labor, material, tools, equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
11. **Temporary Erosion Control**
By lump sum. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 13 and 21 of the Caltrans Standard Specifications, and described in these Special Provisions.
12. **Protect Existing Survey Monument, corner record and raise to grade**
By lump sum. Includes providing all the labor, material, tools, equipment, and incidentals as indicated on the Plans, described in Section 78 of the Caltrans Standard Specifications, and described in these Special Provisions.
13. **Install Hot Mix Asphalt**
By the ton, verified by weigh slips from an approved weigh station. Includes supplying and placing asphalt binder, supplying, preparing, placing and compacting asphalt concrete and constructing to the elevations, thickness and locations as indicated on the Plans, described in Section 39 of the Caltrans Standard Specifications, and described in these Special Provisions. Refer Plans for thickness of hot mix asphalt to be installed.
14. **Install Truncated Domes**
By the square foot. Includes full compensation for furnishing all labor, tools, equipment and incidentals for furnishing the materials, complete in place, as indicated on the drawings, described in the 2013 CBC Chapter 11B-705.1 and these Special Provisions.
15. **Install 6" Concrete over 4" AB over Subgrade, Sidewalk Concrete**
By the square foot. Includes providing and placing and compacting subgrade and aggregate base, supplying concrete to the site, forming,

reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.

16. Install 4" Concrete (Medians) over 4" AB over Existing Pavement
By the square foot. Includes providing and placing and compacting aggregate base, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
17. Install 6" Concrete (Roundabout Apron) over Existing Pavement
By the square foot. Includes supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
18. Install 6" Stamped Concrete (Roundabout Infill) over 6" to 15" AB over Existing Pavement
By the square foot. Includes providing and placing and compacting aggregate base, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
19. Install Vertical Curb & Gutter
By the linear foot. Includes providing and placing and compacting Class II aggregate base, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
20. Install Concrete Curb Ramp (Extra Labor and Materials Beyond Items 14, 15, and 19)
By the unit. Includes providing and placing and compacting Class II aggregate base, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as

indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.

21. **Install 8" Median Curb**
By the linear foot. Includes providing and placing and compacting aggregate base, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
22. **Install 3" Rolled Curb (Outside Circle of Roundabout)**
By the linear foot. Includes excavating, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
23. **Install 8" Glue-Down Vertical Curb (Inside Circle of Roundabout)**
By the linear foot. Includes excavating, supplying concrete to the site, forming, reinforcing, placing concrete, removing forms, curing, finishing, loading and removing waste materials from the site, and constructing the facilities as indicated on the Plans, described in Section 73 of the Caltrans Standard Specifications, and described in these Special Provisions.
24. **Adjust Sanitary Sewer Maintenance Hole to Grade**
By the unit. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
25. **Adjust Sanitary Sewer Cleanout to Grade**
By the unit. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
26. **Adjust Storm Drain Maintenance Hole to Grade**
By the unit. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.

27. **Adjust Storm Drain Inlet to Grade**
By the unit. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
28. **Remove and Salvage Sign and Post**
By the unit. Includes providing all the labor, material, tools, equipment, and incidentals for relocating existing signs and posts as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
29. **Remove Existing Striping by Grinding**
By the lump sum. Includes providing all labor, materials, tools equipment, and incidentals as indicated on the Plans, described in Section 15 of the Caltrans Standard Specifications, and described in these Special Provisions.
30. **Furnish and Install Type VII Arrow Pavement Marking**
By the unit. Includes cleaning surface, providing and painting curbs and installing marker at the locations indicated on the Plans, described in Section 84 of the Caltrans Standard Specifications, and described in these Special Provisions.
31. **Adjust Existing Monument to Grade**
By the lump sum. Includes providing all the labor, material, tools, equipment, and incidentals for adjusting existing monument to grade at the location noted on the Plans, and described in these Special Provisions.
32. **Furnish and Install Detail 22 Traffic Stripe**
By the linear foot. Includes cleaning surface, providing and painting curbs and installing marker at the locations indicated on the Plans, described in California Manual of Uniform Traffic Control Devices (CAMUTCD), and described in these Special Provisions.
33. **Furnish and Install Detail 25M and Detail 2, Sheet C8.0, Modified Roundabout, Traffic Stripe**
By the linear foot. Includes cleaning surface, providing and painting curbs and installing marker at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.
34. **Furnish and Install Yellow Stripe Inside Median Island, Detail 4, Sht C8.0**
By the linear foot. This pay term will be measured per length of median island. Includes cleaning surface, providing and painting curbs and

installing marker at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.

35. Furnish and Install Roundabout Yield Line, Detail 1, Sht C8.0
By the linear foot. Includes cleaning surface, providing and painting curbs and installing the crosswalk striping at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.
36. Furnish and Install White Thermoplastic (Crosswalk) - 24", Detail 3, Sht C8.0
By the linear foot. Includes cleaning surface, providing and painting curbs and installing the crosswalk striping at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.
37. Furnish and Install Sign and Post
By the unit. Includes full compensation for furnishing all labor, tools, equipment and incidentals for furnishing the materials, complete in place, as indicated on the Plans, described in Section 56 of the Caltrans Standard Specifications, and described in these Special Provisions.
38. Furnish and Install Yield Line
By the linear foot. Includes cleaning surface, providing and painting and installing the Yield Line at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.
39. Furnish and Install Blue Marker
By the unit. Includes cleaning surface, providing and installing marker, as indicated on the Plans, described per CAMUTCD, and described in these Special Provisions.
40. Furnish and Install Paint on Median Nose
By the linear foot. Includes cleaning surface, providing and painting and installing Paint on Median Nose at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.
41. Furnish and Install 4" White Stripe, Detail 4, Sheet C8.0
By the linear foot. Includes cleaning surface, providing and painting and installing Paint 4" White Stripe at the locations indicated on the Plans, described in CAMUTCD, and described in these Special Provisions.

SECTION 7 - MATERIALS

7-1.01 Pre-qualified and Tested Signing and Delineation Material

The California Department of Transportation maintains the list of Prequalified and Tested signing and delineation materials and products. Approval of pre-qualified and tested products and materials shall not preclude the Engineer from sampling and testing any of the signing and delineation materials or products at any time.

None of the listed signing and delineation materials and products shall be used in the work unless such material or product is listed on the California Department of Transportation's List of Approved Traffic Products. A Certificate of Compliance shall be furnished as specified in Section 6-2.03C, "Certificate of Compliance", of the Caltrans Specifications for signing and delineation materials and products. Said certificate shall also certify that the signing and delineation material or product conforms to the pre-qualified testing and approval of the California Department of Transportation, Division of Traffic Operations, and was manufactured in accordance with the approved quality control program.

For those categories of materials included on the list of Prequalified and Tested Signing and Delineation Materials, only those products shown within the listing may be used in the work. Other categories of products, not included on the list of Prequalified and Tested Signing and Delineation Materials, may be used in the work provided they conform to the requirements of the Standard Specifications.

Materials and products will be considered for addition to said approved pre-qualified and tested list if the manufacturer of the material or product submits to the Division of Traffic Operations of the California Department of Transportation a sample of the material or product. The sample shall be sufficient to permit performance of all required tests. Approval of such materials or products will be dependent upon a determination as to compliance with the Specifications and any test the California Department of Transportation may elect to perform. The list of approved pre-qualified and tested signing and delineation materials and products can be found at the California Department of Transportation Web Site:

<https://dot.ca.gov/-/media/dot-media/programs/engineering/documents/mets/signing-and-delineation-materials-a11y.pdf>

7-1.02 Minor Concrete

Section 90-2, "Minor Concrete", of the Caltrans Specifications is amended by adding the following:

Mineral admixture will be required in the manufacture of concrete containing aggregate that is determined to be "deleterious" or "potentially deleterious" when tested in accordance with ASTM Designation: C 289. The use of mineral admixture in such concrete shall conform to the requirements in Section 90-1.02 of the Caltrans

Specifications, "Materials", except the use of Class C mineral admixture will not be permitted.

SECTION 8 - DESCRIPTION OF WORK

8-1.01 Description of Work

The work to be performed consists of furnishing all labor, materials, tools, transportation, supplies, equipment, appurtenances, fuel, and power, unless specifically excepted, necessary, or required to provide complete operating roadways, as further delineated on the Plans and described in these Special Provisions.

The work shall include, but not be limited to, the following:

1. Pre-construction Survey
2. Removing, placing, and/or replacing asphalt concrete pavement, as indicated on the Plans.
3. Constructing curb, gutter, sidewalk, concrete areas and wheelchair ramp at the locations indicated on the Plans.
4. Installing roundabout with curb, concrete apron, and infill as indicated on the Plans
5. Installing glue down curb median with concrete fill, as indicated on the Plans.
6. Removing and installing traffic stripes and pavement markings at the locations indicated on the Plans.
7. Installing street signs at the locations indicated on the Plans.
8. Providing traffic control and water pollution control, as required and as indicated on the Plans.
9. All other work as may be necessary as indicated on the Plans and Specifications, and as required by the Engineer.

8-1.02 Quantities

The **following** estimate of the quantities of work to be done and materials to be furnished are **approximate only**, and are intended as a basis for the comparison of bids. The City does not expressly or by implications agree that the actual amount of work will correspond therewith, but reserves the right to increase or decrease the amount of any class or portion of the work without increase or decrease in the unit price bid or to omit portions of the work that may be deemed necessary or expedient by the Engineer.

ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
1	MOBILIZATION	LS	1
2	STAKING	LS	1
3	TRAFFIC CONTROL SYSTEM	LS	1
4	CLEARING AND GRUBBING	LS	1
5	SAWCUT	LF	1200
6	ROADWAY EXCAVATION	CY	142
7	ROUGH AND FINISH GRADING	SF	7799
8	REMOVE CURB & GUTTER	LF	600
9	REMOVE SIDEWALK	SF	2482
10	GRIND ASPHALT CONCRETE	SF	1825
11	TEMPORARY EROSION CONTROL	LS	1
12	PROTECT EXISTING SURVEY MONUMENT, CORNER RECORD AND RAISE TO GRADE	LS	1
13	INSTALL HOT MIX ASPHALT	TON	261
14	INSTALL TRUNCATED DOMES	SF	218
15	INSTALL 6" CONCRETE OVER 4" AB OVER SUBGRADE, SIDEWALK CONCRETE	SF	2482
16	INSTALL 4" CONCRETE (MEDIANS) OVER 4" AB OVER EXISTING PAVEMENT	SF	380
17	INSTALL 6" CONCRETE (ROUNDAABOUT APRON) OVER EXISTING PAVEMENT	SF	1131
18	INSTALL 6" STAMPED CONCRETE (ROUNDAABOUT INFILL) OVER 6" TO 15" AB OVER EXISTING PAVEMENT	SF	305

ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
19	INSTALL VERTICAL CURB & GUTTER	LF	600
20	INSTALL CONCRETE CURB RAMP (EXTRA LABOR AND MATERIALS BEYOND ITEMS 14, 15, AND 19)	EA	16
21	INSTALL 8" MEDIAN CURB	LF	352
22	INSTALL 3" ROLLED CURB (OUTSIDE CIRCLE OF ROUNDABOUT)	LF	214
23	INSTALL 8" GLUE-DOWN VERTICAL CURB (INSIDE CIRCLE OF ROUNDABOUT)	LF	111
24	ADJUST SANITARY SEWER MAINTENANCE HOLE TO GRADE	EA	2
25	ADJUST SANITARY SEWER CLEANOUT TO GRADE	EA	1
26	ADJUST STORM DRAIN MAINTENANCE HOLE TO GRADE	EA	4
27	ADJUST STORM DRAIN INLET TO GRADE	EA	6
28	REMOVE AND SALVAGE SIGN AND POST	EA	4
29	REMOVE EXISTING STRIPING BY GRINDING	LS	1
30	FURNISH AND INSTALL TYPE VII ARROW PAVEMENT MARKING	EA	8
31	ADJUST EXISTING MONUMENT TO GRADE	EA	1
32	FURNISH AND INSTALL DETAIL 22 TRAFFIC STRIPE	LF	1418
33	FURNISH AND INSTALL DETAIL 25M AND DETAIL 2, SHEET C8.0, MODIFIED ROUNDABOUT, TRAFFIC STRIPE	LF	222
34	FURNISH AND INSTALL YELLOW STRIPE INSIDE MEDIAN STRIPING, DETAIL 4, SHEET C8.0	LF	175
35	FURNISH AND INSTALL ROUNDABOUT YIELD LINE, DETAIL 1, SHEET C8.0	LF	337

ITEM NO.	ITEM DESCRIPTION	UNITS	ESTIMATED QUANTITY
36	FURNISH AND INSTALL WHITE THERMOPLASTIC (CROSSWALK) - 24", DETAIL 3, SHEET C8.0	LF	285
37	FURNISH AND INSTALL SIGN AND POST	EA	59
38	FURNISH AND INSTALL YIELD LINE	LF	130
39	FURNISH AND INSTALL BLUE MARKER	EA	2
40	FURNISH AND INSTALL PAINT ON MEDIAN NOSE	LF	30
41	FURNISH AND INSTALL 4" WHITE STRIPE, DETAIL 4, SHEET C8.0	LF	77

Each bidder shall bid each item on the Base Bid Schedule. Failure to bid an item shall be just cause for considering the bid as non-responsive. The City reserves the right to include or delete any Schedule or portion thereof, or to reject all bids.

Official bid documents, including plans and specifications are available online at <http://www.stocktongov.com/services/business/bidflash/pw.html?dept=Public Works>. All bids submitted for this project, must conform to the requirements of the official bid documents, including Plans and Specifications.

SECTION 9 - CONSTRUCTION DETAILS

9-1.01 Order of Work

The order of work shall conform to the Contractor's approved project schedule described in Section 9-1.02, "Progress Schedule", of these Special Provisions.

Contractor's attention is directed to the Public Safety, Public Convenience, and Maintaining Traffic sections of these Special Provisions. Nothing in this section shall be construed as to relieve the Contractor of his/her responsibility to stage the work in a manner which complies with the requirements of these sections.

All permits and approvals as may be required for this project shall be secured or ordered immediately after award of the contract or their acquisition timing determined, such that the same is not a cause for delay. The cost of the permits shall be included in the total bid costs.

At those locations exposed to public traffic where guard railings or barriers are to be constructed, reconstructed, or removed and replaced, the Contractor shall schedule

operations so that at the end of each working day there shall be no post holes open nor shall there be any railing or barrier posts installed without the blocks and rail elements assembled and mounted thereon.

Before obliterating any pavement delineation (traffic stripes, pavement markings, and pavement markers) that is to be replaced on the same alignment and location, as determined by the Engineer, the pavement delineation shall be referenced by the Contractor, with a sufficient number of control points to reestablish the alignment and location of the new pavement delineation. The references shall include the limits or changes in striping pattern, including one- and 2-way barrier lines, limit lines, crosswalks and other pavement markings.

The Contractor shall stage and sequence the work as follows:

1. The first order of work shall be the ordering of all items required, after all submittals are approved by the Engineer, for this project which may have long lead times to assure that their acquisition is not the cause for any delays. These items may include, but are not limited to, traffic signal equipment, street lighting, and related appurtenances. The Contractor shall furnish the Engineer with statements from the vendors that the orders for said equipment has been received and accepted by said vendors. These statements shall be furnished within ten (10) working days of the Notice to Proceed date.
2. Obtain all necessary permits.
3. Prior to the start of construction the Contractor shall submit to the Engineer for approval a detailed "Traffic Control Plan" which also addresses pedestrian detours. The Traffic Control Plan shall be proposed in accordance with the provisions in Section 10-1.11 "Maintaining Traffic" of these Special Provisions.
4. Prior to the start of construction, the Contractor shall verify the location and depth of all existing utilities and underground facilities within the project limits. The Contractor shall notify the Engineer of any discrepancies between the conditions in the field and the Plans.
5. The first phase of construction shall be the removal and reconstruction of existing curb, gutter, and sidewalk. Reconstruction shall be completed within 10 working days prior to beginning the next phase of construction.
6. The Contractor shall develop and implement an Erosion Control Plan, which specifies Best Management Practices (BMPs) that will prevent all construction pollutants from contacting storm water and with the intent of keeping all products of erosion from moving off site into receiving waters. The Contractor shall inspect and maintain all BMPs.

7. Upon award of the Construction Contract by Stockton's City Council (Notice of Award) the Contractor shall prepare all project submittals for City review as set forth in Section 4-1.04, "Submittals" of these Special Provisions.
8. Refer to the Plans for additional staging requirements

At the end of each working day if a difference in excess of 2 inches exists between the elevation of the existing pavement and the elevation of excavations within 4 feet of the traveled way, material shall be placed and compacted against the vertical cuts adjacent to the traveled way. During excavation operations, native material may be used for this purpose; however, once placing of the topsoil commences, topsoil material shall be used. The material shall be placed to the level of the elevation of the top of existing pavement and tapered at a slope of 1:4 (vertical:horizontal) or flatter to the bottom of the excavation.

In general, all construction on sidewalk must be completed first. Roundabout work will not commence until school has ended for summer break.

Minor deviations from these requirements may be allowed by the Engineer, if in the opinion of the Engineer, the prosecution of the contract will be better served and the work expedited. Any Contractor request for such deviations shall not be adopted without the Engineer's prior written approval.

Full compensation for conforming to such requirements will be considered as included in the prices paid for the various contract items of work, and no additional compensation will be allowed therefore.

9-1.02 Progress Schedule

GENERAL

Summary

Comply with Section 8-1.02, "Schedule," of the Caltrans Specifications, except you must:

1. Use computer software to prepare the schedule
2. Furnish compatible software for the Engineer's exclusive possession and use if the software does not match City software

The Contractor is responsible for assuring that all activity sequences are logical and that each schedule shows a coordinated plan for complete performance of the work.

Definitions

contract completion date: The current extended date for completion of the contract shown on the weekly statement of working days furnished by the Engineer as specified in Section 8-1.05, "Time," of the Caltrans Specifications.

data date: The day after the date through which a schedule is current. Everything occurring earlier than the data date is "as-built" and everything on or after the data date is "planned."

float: The difference between the earliest and latest allowable start or finish times for an activity.

milestone: An event activity that has zero duration and is typically used to represent the beginning or end of a certain stage of the project.

near critical path: A chain of activities with total float exceeding that of the critical path but having no more than 10 working days of total float.

time-scaled network diagram: A graphic depiction of a Critical Path Method (CPM) schedule comprised of activity bars with relationships for each activity represented by arrows. The tail of each arrow connects to the activity bar for the predecessor and points to the successor.

total float: The amount of time that an activity or chain of activities can be delayed before extending the scheduled completion date.

Submittals

General Requirements

Submit to the Engineer baseline, monthly updated, and final updated schedules, each consistent in all respects with the time and order of work requirements of the contract. Perform work in the sequence indicated on the current accepted schedule.

Each schedule must show:

1. Calculations using critical path method to determine controlling activities.
2. Duration activities less than 20 working days.
3. Each required constraint. Constraints other than those required by the Special Provisions may be included only if authorized.

The Engineer's review and acceptance of schedules does not waive any contract requirements and does not relieve the Contractor of any obligation or responsibility for submitting complete and accurate information. Correct rejected schedules and resubmit them within 7 days of notification by the Engineer, at which time a new review period of 7 days will begin.

Errors or omissions on schedules do not relieve the Contractor from finishing all work within the time limit specified for completion of the contract. If, after a schedule has been accepted by the Engineer, either you or the Engineer discovers that any aspect of the schedule has an error or omission, the Contractor must correct it on the next updated schedule.

Baseline Schedule

Submit to the Engineer a baseline schedule within 20 days of approval of the contract. Allow 20 days for the Engineer's review after the baseline schedule and all support data

are submitted. Beginning the week the baseline schedule is first submitted, meet with the Engineer weekly to discuss and resolve schedule issues until the baseline schedule is accepted. The baseline schedule must include the entire scope of work and must show how the Contractor plans to complete all work contemplated. Multiple critical paths and near-critical paths must be kept to a minimum. A total of not more than 50 percent of the baseline schedule activities must be critical or near critical, unless otherwise authorized by the Engineer. The baseline schedule must not extend beyond the number of working days originally provided in these Special Provisions.

Updated Schedule

Submit an updated schedule and meet with the Engineer to review contract progress on or before the 1st day of each month, beginning one month after the baseline schedule is accepted. Allow 15 days for the Engineer's review after the updated schedule and all support data are submitted, except that the review period will not start until any previous month's required schedule is accepted. Updated schedules that are not accepted or rejected within the review period are considered accepted by the Engineer.

The updated schedule must show:

1. Data date of the 1st day of the month or other date established by the Engineer
2. Changes from approved revised schedules

Final Updated Schedule

Submit a final updated schedule with actual start and finish dates for the activities within 30 days after completion of contract work. Provide a written certificate with this submittal signed by the Contractor's project manager or an officer of the company stating, "To my knowledge and belief, the enclosed final updated schedule reflects the actual start and finish dates of the actual activities for the project contained herein." An officer of the company may delegate in writing the authority to sign the certificate to a responsible manager.

9-1.03 Pre-construction Survey

The Contractor shall perform a pre-construction survey of all existing structures, pavements, and other aboveground facilities within the project limits prior to beginning any work, noting their condition by means of photographs and video tapes supplemented by written documentation, where applicable.

Color photographs shall be taken with a 35-mm digital camera at locations that are appropriate to show pre-existing conditions. Each photograph shall show the date and time the photograph was taken and clearly labeled showing the location, viewing direction, and any special features noted. Digital files of each photograph and a copy of videotapes shall be submitted to the Engineer.

Preserving and Perpetuating Survey Monuments

The Contractor shall preserve and perpetuate existing monuments, property pins, chiseled cross, etc. affected by the work included in this project in accordance with the most current edition of the Professional Land Surveyors Act (Business and Professions Code §§ 8700-8805), Sections 8771. The Contractor shall perform a survey to preserve any existing survey monuments such as chiseled cross, survey iron pipe, etc. that may be present on the pavement, round corners, and concrete flat work to be improved by this project. Monument preservation shall be done by or under the supervision of a Licensed Land Surveyor.

The Contractor shall notify the Engineer immediately if any monument is disturbed. The Contractor shall be responsible for hiring a Licensed Land Surveyor to reset any survey monument disturbed by his/her operations. A new record of survey shall be filed with the San Joaquin County Surveyor's office, which copies shall be submitted to the Engineer. Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved, and no additional compensation will be allowed therefore.

Action by:	Action:
<i>Contractor's Land Surveyor</i>	<ol style="list-style-type: none"> 1. Identifies existing survey monuments. 2. Lists all existing survey monuments. 3. Ties out / performs construction staking of survey monuments. 4. Indicates survey monuments on construction plans. 5. Files all pre-construction Corner Records or Records of Survey with San Joaquin County. The Corner Records or Record of Survey will show monuments within the area of construction reasonably subject to removal or disturbance not shown on a recent record document (recent record document is a filed survey map or corner record document completed with acceptable modern survey methods that includes survey ties from monuments within the construction area to monuments outside of the construction area). 6. Submits copies of pre-construction Corner Records or Records of Survey filed with San Joaquin County to City Engineer/Project Manager
<i>Contractor</i>	<ol style="list-style-type: none"> 7. Preserves/perpetuates all survey monumentation during construction, including, but not limited to, those listed. 8. Restores survey monuments disturbed by construction.
<i>Contractor's Land Surveyor,</i>	<ol style="list-style-type: none"> 9. Files all post-construction Corner Records and Records of Survey with San Joaquin County for all monuments disturbed during construction 10. Submits copies of Corner Records or Records of Survey filed with San Joaquin County to City Engineer/Project Manager.

Monuments set shall be sufficient in number and durability and efficiently placed so as not to be readily disturbed, to assure, together with monuments already existing, the perpetuation or facile reestablishment of any point or line of the survey.

When monuments exist that control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide horizontal or vertical survey control, the monuments shall be located and referenced by or under the direction of a licensed land surveyor or registered civil engineer prior to the time when any streets, highways, other rights-of-way, or easements are improved, constructed, reconstructed, maintained, resurfaced, or relocated, and a corner record or record of survey of the references shall be filed with the county surveyor. They shall be reset in the surface of the new construction, a suitable monument box placed thereon, or permanent witness monuments set to perpetuate their

location if any monument could be destroyed, damaged, covered, or otherwise obliterated, and a corner record or record of survey filed with the county surveyor prior to the recording of a certificate of completion for the project. Sufficient controlling monuments shall be retained or replaced in their original positions to enable property, right-of-way and easement lines, property corners, and subdivision and tract boundaries to be reestablished without devious surveys necessarily originating on monuments differing from those that currently control the area. It shall be the responsibility of the governmental agency or others performing construction work to provide for the monumentation required by this section. It shall be the duty of every land surveyor or civil engineer to cooperate with the governmental agency in matters of maps, field notes, and other pertinent records. Monuments set to mark the limiting lines of highways, roads, streets or right-of-way or easement lines shall not be deemed adequate for this purpose unless specifically noted on the corner record or record of survey of the improvement works with direct ties in bearing or azimuth and distance between these and other monuments of record.

The decision to file either the required corner record or a record of survey pursuant to subdivision shall be at the election of the licensed land surveyor or registered civil engineer submitting the document.

Full compensation for pre-construction survey shall be included in the contract price for the various items of work involved, and no additional compensation will be allowed therefore.

9-1.04 Alternative Equipment

The City reserves the right to order discontinuance of any equipment in use. This will be determined at the discretion of the Engineer on the basis that the use of said equipment would prohibit obtaining the best possible end result.

Additional installation equipment may be requested by the Engineer for the above reason. Failure to comply with the Engineer's request concerning equipment use or removal will be deemed sufficient cause for shutting down all work until the requirements are met. Days lost for this type of shutdown will be charged as working days.

9-1.05 Inspections

All work under this contract shall be under the control and inspection of the City Engineer or his appointed representative. The Contractor shall notify of the Public Works Department, at (209) 937-8381, three (3) working days in advance of any construction.

9-1.06 Obstructions

Attention is directed to Section 5-1.36, "Property and Facility Preservation" of Caltrans Specifications, Sections 7-1.05, "Indemnification", of the Standard Specifications and Section 10-1.14, "Existing Highway Facilities", of these Special Provisions.

The Contractor's attention is directed to the existence of certain underground facilities that may require special precautions be taken by the Contractor to protect the health,

safety, and welfare of workers and of the public. Facilities requiring special precautions include, but are not limited to, conductors of petroleum products, oxygen, chlorine, and toxic or flammable gases, natural gas in pipelines six (6) inches or greater in diameter, or pipelines operating at pressures greater than 415 KPa (gage); underground electric supply system conductors or cables with potential to ground of more than 300 V, either directly buried or in duct or conduit, which do not have concentric grounded or other effectively grounded metal shields on sheaths. Contractor shall pothole existing utilities to prevent conflicts.

The Contractor shall notify the Engineer and the appropriate regional notification center for operators of subsurface installations at least two (2) working days, but not more than fourteen (14) calendar days, prior to performing any excavation or other work close to any underground pipeline, conduit, duct, wire, or other structure. Regional notification centers include, but are not limited to, the following:

Notification Center	Telephone Number
Underground Service Alert – Northern California (USA)	(811) 227-2600 (800) 227-2600

Relocations or repairs necessitated because of existing facilities, which are not shown on the Plans or are shown at substantially different locations than existing, may be paid as extra work in accordance with Section 5-1.10 "Changes and Extra Work, of the these Special Provisions, but only if the Engineer rules that the Contractor exercised due diligence in his operation. Due diligence may be determined by the Engineer by reviewing surface and subsurface conditions that were existing prior to exposing the facility and determining the absence of any signs sufficient to warn a diligent Contractor of the possible existence of a facility in the area.

Immediately upon encountering unknown existing facilities, the Contractor shall notify the Engineer in writing of the situation, request coverage of the work as extra work, and aid the Engineer in determining due diligence. Failure to do so may result in forfeiture of any rights to receive extra work compensation under Section 8-1.07, "Delays", of the Caltrans Specifications. Should the Contractor stop work, no compensation will be made for any "down time" prior to written notifications being received by the Engineer or his representative.

Delays due to encountering unexpected facilities shall be determined and compensated in accordance with the provisions of Section 8-1.07, "Delays", of the Caltrans Specifications, and as herein modified. Delays due to encountering unexpected facilities shall be compensated as additional contract working days to the contractor. Contractor shall submit a written request to the Engineer requesting time extension due to the delay. No other compensation is allowed.

Payment for complying with this Special Provision shall be included in the various items of work, and no additional compensation will be allowed therefore.

9-1.07 Cooperation

Should construction be under way by other forces or by other contractors within or adjacent to the limits of the work specified or should work of any other nature be under way by other forces within or adjacent to those limits, the Contractor shall cooperate with all the other contractors or other forces to the end that any delay or hindrance to their work will be avoided. The right is reserved to perform other or additional work at or near the site (including material sources) at any time, by the use of other forces. When 2 or more contractors are employed on related or adjacent work, or obtain materials from the same material source, as provided in Section 6-2, "Quality Assurance" of the Caltrans Specifications, each shall conduct their operations in such a manner as not to cause any unnecessary delay or hindrance to the other. Each contractor shall be responsible to the other for all damage to work, to persons or property caused to the other by their operations, and for loss caused the other due to unnecessary delays or failure to finish the work within the time specified for completion.

The Contractor shall protect from damage any utility facilities that are to remain in place, be installed, relocated, adjusted, or otherwise rearranged.

The Contractor should note that the following utility companies and other agencies maintain facilities within the project area and may have forces in the project area or adjacent thereto:

- PG&E
- AT&T and other phone companies
- City of Stockton Municipal Utilities Department
- Comcast Cable Company

The Contractor shall verify the horizontal and vertical locations of all existing utilities prior to start of construction. The Contractor shall be responsible for the repair and replacement of these or any other facilities damaged during construction. A minimum of forty-eight (48) hours or two (2) working days prior to beginning construction, the Contractor shall notify Underground Services Alert (USA), telephone (800) 227-2600, to have existing facilities marked in the field.

Installation and/or relocation of the aforementioned utilities and other agencies' facilities will require coordination with the Contractor's operations. The Contractor shall make necessary arrangements with the utility company and other agencies through the Engineer, and shall submit a schedule of work, verified by a representative of the utility company or other agency, to the Engineer. The Contractor shall notify the Engineer in writing one (1) month and again one (1) week prior to preparing the site for the utility relocation work or work to be done by other agencies.

The Contractor shall take care to avoid working in any area of the project, which may conflict with the work underway by the utility companies. The Contractor's construction schedule shall be prepared to avoid utility work.

The Contractor shall cooperate completely with all utility companies having facilities within the project area.

Attention is directed to the possible existence of underground facilities not known to the City or in a location different from that which is shown on the Plans or in these Special Provisions. The Contractor shall take steps to ascertain the exact location of all underground facilities prior to doing work that may damage such facilities or interfere with their service.

Payment for complying with this Special Provision shall be included in the various items of work, and no additional compensation will be allowed therefore.

9-1.08 Water Pollution Control

Water pollution control shall conform to the requirements in Section 13, "Water Pollution Control", of the Caltrans Specifications, these Special Provisions, and as directed by the Engineer.

The Contractor shall develop and implement an Erosion Control Plan, which specifies Best Management Practices (BMPs) that will prevent all construction pollutants from contacting storm water and with the intent of keeping all products of erosion from moving off site into receiving waters. The Contractor shall inspect and maintain all BMPs.

Compensation for water pollution control shall be considered as included in the prices paid for various items of work, and no additional compensation will be allowed therefore.

9-1.09 Mobilization

Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies and incidentals to the project site; for the establishment of all offices, buildings and other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items on the project site.

Full compensation for mobilization shall be considered as included in the lump sum price paid for Mobilization, and no additional compensation will be allowed therefore.

9-1.10 Maintaining Traffic

Attention is directed to Part 6 of the California MUTCD, Sections 7-1.03, "Public Convenience", 7-1.04, "Public Safety", and 12, "Temporary Traffic Control", of the Caltrans Specifications, and Section 10-1.01, "Order of Work", of these Special Provisions. Nothing in these Special Provisions shall be construed as relieving the Contractor from the responsibilities specified in these sections.

Lane closures shall conform to Section 10-1.13, "Traffic Control System for Lane Closure" of these Special Provisions.

The Contractor shall furnish, and maintain in good working order, all barricades and flashers, and provide flaggers as necessary to protect pedestrians, bicyclists, and vehicular traffic. The Contractor shall furnish and maintain all barricades, flashers, and any detour signs twenty-four (24) hours a day, including covering or removing signs during non-construction hours.

The Contractor shall provide adequate and continuous ingress and egress for all adjacent properties; except for the limited period of time it is necessary to perform work at a specific property. The Contractor shall diligently prosecute all work directly impacting businesses to completion. The Contractor shall coordinate limited closures with tenants or owners and Lodi Unified School District, as required by these Special Provisions, and as directed by the Engineer.

The Contractor shall submit to the City Engineer a detailed "Traffic Control Plan" for review and approval if different from the approved plans. The "Traffic Control Plan" shall be submitted no later than ten (10) working days following the Notice to Proceed date and at least 3 working days prior to commencing any work which requires implementation of any component of the "Traffic Control Plan". The plan shall be approved by the Engineer prior to its implementation by the Contractor. The Traffic Control Plan provided in the Plans are for reference only.

The "Traffic Control Plan" shall conform to the typical traffic control details included in the Caltrans Standard Plans, Part 6 of the California MUTCD, and the requirements of Section 10-1.13, "Traffic Control System for Lane Closure", of these Special Provisions. The Traffic Control Plan shall include, but not be limited to, detailed requirements for the following:

- ◆ Traffic control devices, including signs and markings.
- ◆ Construction routes, phasing and/or staging of both the roadway and sidewalk areas.
- ◆ Emergency vehicles access.
- ◆ Bus, refuse collection, and mail delivery access.
- ◆ Any parking zones to be removed on a temporary basis.
- ◆ Pedestrian and bicyclist access.

The Traffic Control Plan shall consider the impacts of changes in traffic volumes and capacities related to the construction activities, and their impact on vehicular and bicycle traffic and pedestrian operations, on roadway pavements, including provisions to restore construction-damaged pavements.

Traffic Lane and Sidewalk Closures

Lanes and sidewalks may be closed only as indicated in this section, "Maintaining Traffic", of these Special Provisions. Except for work required under Section 7-1.03 "Public Convenience" and Section 7-1.04, "Public Safety" of the Caltrans Specifications, work

that interferes with public traffic shall be performed only as indicated. Traffic lane and sidewalk closures shall conform to the following requirements:

Lane closure, a maximum of one lane in each direction of travel, not less than twelve (12) feet wide, shall be permitted only between the hours of 9:00 a.m. and 3:30 p.m. Any lane closures other than specified shall be approved by the Engineer.

Standard working hours shall be 8:30 a.m. to 5:00 p.m. Any extended working hours require the approval of the Engineer.

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

Adequate ingress and egress shall be maintained throughout the project limits for fire, police, and other emergency vehicles. The Contractor shall provide adequate ingress and egress for residences and property owners to their respective properties except when performing work at their specific locations.

Also, the Contractor shall provide adequate signing, barricades and flashers or portable flashing beacons, flaggers, and other equipment and personnel necessary to adequately control and direct traffic in a safe manner. The Contractor shall maintain all barricades, flashers and detour signs twenty-four (24) hours a day, including covering signs during non-construction hours. The Contractor shall also provide the City with the names and telephone numbers of three (3) representatives available at all times.

Except as otherwise allowed by the Engineer, "long term" and temporary closures shall be removed and the full width of the traveled way shall be open for use by public traffic when construction operations are not actively in progress during the working period or successive working periods.

The contractor shall provide for pedestrian and wheelchair access to at least one (1) intersection corner within each block and the abutting sidewalk facilities along each block, at all times. Simultaneous closure of both intersection corners to pedestrian traffic within the same block is not allowed.

The Contractor shall maintain at least one (1) north/south crosswalk and one (1) east/west crosswalk open to pedestrian and wheelchair access ,where exists, at each intersection at all times.

Whenever Contractor's vehicles or equipment are parked within six (6) feet of a traffic lane, the area shall be closed with fluorescent traffic cones or portable delineators placed on a taper in advance of the parked vehicles or equipment and along the edge of the traffic lane at twenty-five (25) foot intervals to a point not less than twenty-five (25) feet past the last vehicle or piece of equipment. A minimum of nine (9) cones or portable delineators shall be used for the taper. A W20-1 (Road Work Ahead) sign shall be

mounted on a portable sign stand with flags. The sign shall be placed where directed by the Engineer.

Maintaining Pedestrian Access

When a pedestrian circulation path is temporarily closed by construction, alterations, maintenance operations, or other conditions, an alternate pedestrian access route complying with Caltrans Specification Section 12-4.04A(3) and sections 6D.01, 6D.02, and 6G.05 of the MUTCD shall be provided. Pedestrian access must be maintained at least 3 corners at all times.

The alternate pedestrian routes shall be accessible and detectable, including warning pedestrians who are blind or have low vision about sidewalk closures.

The surface shall be skid-resistant and free of irregularities. Pedestrian walkways shall be maintained in good condition, and shall be suitable for wheelchair use. Walkways shall be kept clear of obstructions.

The Contractor shall cause the least possible disruption to the affected properties and restore suitable pedestrian access immediately following completion of the active work in progress.

At least one (1) continuous walkway along one (1) side of the street shall be available at all times. At locations where work is actively in progress, the pedestrian walkway within a single block may be temporarily closed at one (1) end of the block along one (1) side of the street. Pedestrians shall be rerouted to the walkway on the opposite side of the street.

Minor deviations from the requirements of this section, which do not significantly change the cost of the work, may be permitted upon the written request of the Contractor if, in the opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved them in writing. All other modifications will be made by contract change order.

Full compensation for furnishing a traffic control plan, furnishing, installing, maintaining, and removing all components of the required traffic control system, traffic lane and sidewalk closures, portable changeable message signs, flagging, temporary pavement delineation, maintaining driveway and pedestrian traffic, and for maintaining traffic as specified in the Plans and these Special Provisions, and as directed by the Engineer, shall be included in the lump sum price paid for "Traffic Control System", and no additional work compensation will be allowed therefor.

9-1.11 Temporary Pavement Delineation

Temporary pavement delineation shall be furnished, placed, maintained, and removed in conformance with the provisions in Section 12-3 "Temporary Traffic Control Devices" of the Caltrans Specifications and these Special Provisions. Nothing in these Special Provisions shall be construed as reducing the minimum standards specified in the California MUTCD or as relieving the contractor from the responsibilities specified in

Section 7-1.04, "Public Safety", of the Caltrans Specifications and these Special Provisions. Whenever the work causes obliteration of existing pavement delineation, temporary or permanent pavement delineation shall be in place prior to opening the traveled way to public traffic. Lane line or centerline pavement delineation shall be provided at all times for traveled ways open to public traffic.

The Contractor shall perform the work necessary to establish the alignment of temporary pavement delineation, including required lines or marks. Surfaces to receive temporary pavement delineation shall be dry and free of dirt and loose material. Temporary pavement delineation shall not be applied over existing pavement delineation or other temporary pavement delineation. Temporary pavement delineation shall be maintained until superseded or replaced with a new pattern of temporary pavement delineation or permanent pavement delineation.

Temporary pavement markers, including underlying adhesive and removable traffic tapes which are applied to the final layer of surfacing or existing pavement to remain in place or which conflicts with a subsequent or new traffic pattern for the area, shall be removed when no longer required for the direction of public traffic, as determined by the Engineer.

Full compensation for furnishing, placing, maintaining, and removing the temporary pavement delineation and /or pavement markers used for temporary lane line and centerline delineation and for providing equivalent patterns of permanent traffic lines for these areas when required shall be considered as included in the lump sum price paid for "Traffic Control System", and no additional work compensation will be allowed therefor.

9-1.12 Traffic Control System for Lane Closure

A traffic control system shall consist of closing traffic lanes in accordance with the details in the provisions of Section 12, "Temporary Traffic Control", of the Caltrans Specifications, the provisions under "Maintaining Traffic", and "Construction Area Signs" elsewhere in these Special Provisions.

The provisions in this section will not relieve the Contractor from the responsibility to provide additional devices or take the measures that may be necessary to comply with the provisions in Section 7-1.04, "Public Safety", of the Standard Specifications and these Special Provisions.

During traffic striping operations and pavement marker placement operations using bituminous adhesive, traffic shall be controlled, at the option of the Contractor, with either stationary or moving type lane closures. During all other operations, traffic shall be controlled with stationary type lane closures. The Contractor's attention is directed to the provisions in Sections 12-4.02C(2), "Lane Closure System", of the Caltrans Specifications.

If any component in the traffic control system is displaced, or ceases to operate or function as specified, from any cause, during the progress of the work, the Contractor shall

immediately repair the component to its original condition or replace the component, and shall restore the component to its original location.

Contractor shall not close more than one lane during daytime working hours.

When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way shall be removed from the traveled way and shoulder. If the Contractor so elects, the components may be stored at selected central locations, approved by the Engineer, within the limits of the street right-of-way.

The Contractor shall pay fully the cost of furnishing all flaggers, including transporting flaggers, to provide for passage of public traffic.

Attention is directed to Part 6 of the California MUTCD. Nothing in these Special Provisions shall be construed as relieving the Contractor from his responsibility as provided in Part 6 of California MUTCD.

Full compensation for furnishing all labor (including flagging costs), materials (including signs), tools, equipment, and incidentals, and for doing all the work involved in lane closures, including placing, removing, storing, maintaining, moving to new locations, replacing, and disposing of the components of the traffic control system, as shown on the Plans, as specified in the Caltrans Specifications and these Special Provisions, and as directed by the Engineer, shall be included in the lump sum price paid for "Traffic Control System", and no additional work compensation will be allowed therefor.

The adjustment provisions in Section 4-1.05, "Changes", of the Standard Specifications shall not apply to the item of traffic control system. Adjustments in compensation for traffic control system will be made only for increased or decreased traffic control system required by changes ordered by the Engineer and will be made on the basis of the cost of the increased or decreased traffic control necessary. The adjustment will be made on basis as provided in Section 4-1.05, "Changes and Extra Work", of Caltrans Specifications for increased work and estimated on the same basis in the case of decreased work.

Traffic control system required by work which is classed as extra work, as provided in Section 4-1.05 of the Caltrans Specifications, will be paid for as a part of the extra work.

9-1.13 Existing Highway Facilities

Contractor attention is directed to requirements of Section 4-1.25 "Preservation of Property" of these Special Provisions, and 7-1.05, "Indemnification" and 7-1.06 "Insurance", of the Standard Specifications.

The work shall be performed in connection with various existing highway facilities (i.e., storm drain pipe, catch basins, sidewalk drains, roadway pavement, roadside signs, utility

boxes, trees, fences, etc.) shall conform to the provisions in Section 15, "Existing Facilities", of the Caltrans Specifications and these Special Provisions.

All traffic control signs shall be maintained. If relocation is necessary to facilitate the construction, the Contractor shall notify the Public Works Department, at (209) 937-8381, three (3) working days prior to said relocation, and request for approval as to where sign is to be temporarily relocated. Full compensation for performing such removal and reinstallation shall be considered as included in the various items of work and no additional compensation will be allowed therefore.

Fire hydrants, water valves, curb-stop boxes, and other utility facilities shall be unobstructed and accessible during the construction period.

Should the Contractor desire to have any alterations made in any utility or other improvement for Contractor's own convenience in order to facilitate Contractor's construction operations and for Contractor's sole benefit, Contractor shall make all necessary arrangements with the owners and bear all expense in connection therewith.

Removed highway facilities that are not to be salvaged shall become the property of the Contractor and shall be disposed of according to these Special Provisions, Section 14-10 "Solid Waste Disposal and Recycling" of Caltrans Specifications, and as indicated on the Plans.

Items of work under this section, "Existing Highway Facilities", for which specific bid items are not provided, shall be considered as included in the prices paid for the various items of work of the bid schedule, and no additional compensation will be provided therefore.

Any contract adjustment that may be warranted due to differing site conditions will be made in accordance with the provisions of Section 4-1.05, "Changes and Extra Work", of the Standard Specifications.

Relocations or repairs necessitated because of existing facilities which are not shown on the Plans, or are shown at substantially different locations than shown may be paid as extra work in accordance with Section 4-1.05 of these Special Provisions, but only if the Engineer rules that the Contractor exercised due diligence in his operation. Due diligence may be determined by the Engineer by reviewing surface and subsurface conditions that were existing prior to exposing the facility, and determining the absence of any signs sufficient to warn a diligent Contractor of the possible existence of a facility in the area.

Utility Facilities

Attention is directed to the possible existence of underground utilities not known to the City or in a location different from that which is shown on the Plans or in these Special Provisions. The Contractor shall take steps to ascertain the exact location of such facilities prior to doing any work that may damage such facilities or interfere with their service.

Remove Existing Concrete

Existing concrete sidewalk, gutter, curb and gutter, driveways, wheelchair ramps, and other concrete surfacing, where shown on the Plans to be removed, shall be removed and disposed of. Sawcut concrete ramps, walks, curbs, and gutters to be removed at the nearest joint or scoreline, at the locations indicated on the Plans, and as designated by the Engineer.

Remove Existing Pavement

Asphalt concrete pavement and aggregate base shall be removed by saw-cutting and excavation or cold planing to the lines, depths, and dimensions indicated on the Plans and/or as directed by the Engineer.

Roadside Signs

Unless otherwise shown on the Plans, the Contractor shall maintain existing roadside signs in place. The Contractor shall replace or repair all signs damaged by his operations and under this contract by using new material. Such material shall be a replacement of the original in regards to type of sign, posts, and construction. Relocation of the existing signs shall be done the same day the sign is removed from its original location.

At the Contractor's option, existing signs may be temporarily removed in order to facilitate the Contractor's construction of other improvements included under this contract. Any sign which is removed or damaged by the Contractor's shall be reinstalled at its original location using new unistrut posts in conformance with the Standard Specifications. Existing steel pipe sign posts shall be salvaged as directed by the Engineer. Each roadside sign shall be reinstalled on the same day that the sign is removed. **All new signs shall be 3M brand HIP and covered with anti-graffiti film (3M brand 1160 overlay film).**

Compensation for any temporary removal and reinstallation of roadside signs shall be considered included in the lump sum price paid for "Traffic Control System", and no additional compensation will be allowed therefor.

9-1.14 Clearing and Grubbing

Clearing and Grubbing shall conform to the requirements of Section 16, "Clearing and Grubbing", of the Standard Specifications and these Special Provisions.

Payment for removal of existing highway facilities for which specific bid items are not provided, shall be considered as included in the contract prices paid for various items of work, and no additional compensation will be provided therefore.

All materials removed shall be off hauled and disposed of by the Contractor.

Attention is directed to Section 19-1.03D, "Buried Man-Made Objects", of the Caltrans Specifications.

Existing underground structures, trash, debris, loose fill, tree roots, tree remains, organic surficial soil, and other rubbish shall be removed or otherwise disposed of so as to leave the areas that have been disturbed with a neat and finished appearance, free from debris. Depressions left from any removals shall be properly filled and compacted in accordance with these Special Provisions, and as directed by the Engineer.

The methods for removal of subsurface irrigation and utility lines will depend on the depth and location of the line in relation to planned improvement. Unless otherwise specified, remove the pipe and compact the soil in the trench according to the applicable portions of these Special Provisions.

Where loose, uncompacted fill occurs at the surface of the site, the materials shall be excavated to expose firm natural ground or previously compacted fill. The exposed surface shall then be prepared to receive fill in accordance with the applicable portions of these Special Provisions.

Nothing herein shall be construed as relieving the Contractor of his responsibility for final cleanup of the highway as provided in Section 4-1.13, "Cleanup", of the Caltrans Specifications.

Full compensation for clearing and grubbing shall be considered included in the contract lump sum price paid for Clearing and Grubbing, and no additional compensation will be allowed. All the work involved in clearing and grubbing, shall include the removal and disposal of all the existing materials as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer. Where it is required the contractor shall test the materials, according to Federal and State guidelines and regulations, before disposal.

9-1.15 Roadway Excavation

Roadway excavation shall conform to the requirements of Section 19, "Earthwork", of the Standard Specifications, Caltrans Specifications, and these Special Provisions. Wherever relative compaction is specified, it shall be determined by ASTM D1557.

Surplus excavated material shall become the property of the Contractor and shall be disposed of outside the highway right-of-way in accordance with the provisions in Section 19-2.03B, "Surplus Material", of the Caltrans Specifications. All excavated material shall be loaded for off-haul from the site as it is generated. Material will not be allowed to accumulate within the right-of-way.

Contaminated Soil

Identify contaminated soil from spills or leaks by noticing discoloration, odors, or differences in soil properties. Soil with evidence of contamination must be sampled and tested by a laboratory certified by Environmental Laboratory Accreditation Program (ELAP).

If levels of contamination are found to be hazardous, handle and dispose of the soil as hazardous waste.

Prevent the flow of water, including ground water, from mixing with contaminated soil by using one or a combination of the following measures:

1. Berms
2. Cofferdams
3. Grout curtains
4. Freeze walls
5. Concrete seal course

If water mixes with contaminated soil and becomes contaminated, sample and test the water using a laboratory certified by ELAP. If levels of contamination are found to be hazardous, handle and dispose of the water as hazardous waste.

Upon completion of underground facilities and backfilling of the trenches in each portion of the work, the sub-grade shall be prepared by compacting to a relative compaction of not less than ninety-five (95) percent for a minimum depth of zero point five (0.5) feet below the grading plane (sub-grade plane) for a total width of the area to be paved.

All portland cement concrete flatwork shall be saw-cut a minimum of 3-1/2 inches deep prior to removal. All monolithic portland cement concrete shall be saw-cut a minimum of 8 inches deep prior to removal.

Existing asphalt concrete sections to be removed shall be neatly saw cut two and one-half (2-1/2) inches deep and excavated to a depth of fifteen (15) inches. The vertical edges of the pavement shall be neatly trimmed. All debris shall be removed. The top six inches of the sub-grade shall be compacted to 90% of the maximum density at near optimum moisture content.

Full compensation for Roadway Excavation shall be considered included in the contract prices paid for Roadway Excavation and no additional compensation will be allowed.

9-1.16 Earthwork

Earthwork shall conform to the requirements of Section 19, "Earthwork", of the Standard Specifications, Caltrans Specifications, and these Special Provisions. Wherever relative compaction is specified, it shall be determined by ASTM D1557.

Surplus excavated material shall become the property of the Contractor and shall be disposed of outside the highway right-of-way in accordance with the provisions in Section 19-2.03B, "Surplus Material", of the Caltrans Specifications. All excavated material shall be loaded for off-haul from the site as it is generated. Material will not be allowed to accumulate within the right-of-way.

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

The Contractor shall furnish, install, operate, and maintain all machinery, appliances, and equipment to maintain all excavations free from water during construction, and shall dewater and dispose off the water so as to not cause injury to public or private property, or to cause nuisance or menace to the public. The dewatering system shall be installed and operated so that the groundwater level outside the excavation is not reduced to the extent which could cause damage or endanger adjacent structures or property. All costs for dewatering shall be included in the contract pricing and no additional extra compensation shall be permitted. The static water level shall be drawn to 1 foot below the bottom of the excavation. Disposal of water shall not create a public nuisance or violate the law. The Contractor shall have on hand, pumping equipment and machinery in good working condition for emergencies and shall have all workmen available for its operation. The dewatering system shall operate continuously until backfill has been completed to 1 foot above the static groundwater level.

9-1.17 Trench Excavation and Backfill

Trench excavation, pipe bedding, and backfill shall conform to the requirements of Section 71, "Sanitary Sewer and Storm Sewers", of the Standard Specifications and City of Stockton Standard Plan R-36 and R-43 and any amendment and revisions, these Special Provisions, and as specified on the Plans. Controlled Density Fill (CDF) shall be mandatory for trenches 8" wide or less. Contractor shall grind 3" deep, 12" each side of trench, and repave.

Water control shall conform to the provisions of Section 19-3.03B(5) "Water Control and Foundation Treatment" of the Caltrans Specifications and these Special Provisions. The Contractor shall construct and maintain all necessary ditches, cofferdams, channels, drains, sumps, and temporary protective works, and shall furnish, install, and maintain all necessary pumping and other equipment for controlling flows, including ground water in the pipe trenches and structure excavations, so that no foundation will contain any free water. Full compensation for water control shall be included in the contract prices paid for various items of work, and no additional compensation will be made therefore.

The Contractor shall do all excavation of whatever substance is encountered to the lines and grades shown on the Plans. Where it becomes necessary to excavate beyond the limits of normal excavation lines in order to remove boulders or other interfering objects, the void remaining after the removal of the boulders shall be backfilled with suitable material and density, as approved by the Engineer. The Contractor shall do such grading as is necessary to prevent surface water from entering the excavation. The Contractor shall remove and dispose of all water entering the excavation. Disposal of water shall be done in a manner to prevent damage or nuisance to adjacent properties.

Due to width limitations, proximity of existing utilities, structures, and access requirements, the Contractor may be required to provide a vertical, open trench, shoring

system for portions of this project. Shoring of all trench excavations shall conform to the Sheeting and Shoring Section of these Special Provisions.

The amount of open trench or plated trench permitted at any one time shall not exceed fifty (50) feet or as allowed by the Engineer. Trench excavation shall be closed and all lanes shall be restored to traffic at the end of each workday. The Contractor shall furnish and install non-skid steel plates to span trench sections, which have not been backfilled. Non-skid trench plates shall have a manufactured surface with a coefficient of friction that equals or exceeds zero point thirty-five (0.35).

Approach and ending plates shall be attached to the roadway by a minimum of two (2) dowels predrilled into the corner of the plate and drilled a minimum of two (2) inches into the pavement. Interior plates are to be butted together. Fine graded asphalt concrete shall be compacted to form ramps with a maximum slope of eight and one-half percent (8.5%) with a minimum twelve- (12) inch taper to cover all exterior edges of the plates. When the plates are removed, the dowel holes in the pavement shall be backfilled with graded fines of asphalt concrete mix. A concrete slurry or equivalent slurry mix may be substituted with the approval of the Engineer.

All operations shall be carried out in an orderly fashion. Backfilling, compacting, and clean-up work shall be accomplished as the work is approved and traffic through the work shall be impeded or obstructed as little as possible.

The trench bottom shall be free of bumps or hollows and graded to provide uniform support along the length of pipe.

Excess excavated material shall become the property of the Contractor and shall be removed and disposed of away from the job site at the Contractor's expense. Full compensation for the removal and disposal of excess or unsuitable material shall be considered included in the contract unit prices paid for the various items of work and no additional compensation will be allowed therefore.

Pipe bedding and backfill shall be placed above and below the pipe to the lines and grades shown on the City of Stockton Standard Plans R-36 and R-43, as shown on the Plans, and as specified in these Special Provisions.

Delete Section 19-3.03E, "Structure Backfill", of the Caltrans Specifications and substitute the following:

"Pipe bedding, envelope, and trench backfill material shall consist of imported material, free from vegetable matter and other deleterious substances and shall form a firm, stable base when compacted. The percentage composition weight by weight shall conform to the following grading:

<u>Sieve Size</u>	<u>Percentage Passing</u>
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1"	100
3/4"	90-100
No. 4	35-60
No. 30	10-30
No. 200	2-9

The material shall conform to the following quality requirements:

	<u>Requirements</u>
Resistance (R-Value)	78 min.
Sand equivalent	25 min.

In no case shall native excavated material be used as pipe bedding, envelope, and trench backfill.

Bedding material shall be placed to approximately the same elevation on both sides of pipe to prevent unequal loading and displacement of the pipe. The difference in elevation of the bedding backfill on either side of pipe shall not exceed six (6) inches at any time.

Trench backfill shall consist of the trench area from the top of the pipe bedding to the ground surface, or if within a roadway, to the bottom of the roadway subgrade.

Backfill shall be compacted by impact, vibration, or by a combination of these methods, as approved by the Engineer. However, impact type compactors shall not be used around or over PVC pipe until backfill over the top of the pipe will permit compaction of the backfill material without deflecting or damaging the pipe. Jetting will not be permitted.

All backfill shall be placed in maximum eight (8) inch uncompacted lifts.

Compaction shall be determined by ASTM D1557.

The Contractor shall place temporary surfacing promptly after backfilling and shall maintain such surfacing until permanent paving work can be installed.

Temporary paving shall consist of asphalt cutback rolled to provide a smoother surface. All edges shall be contoured to provide a smooth transition between the existing grade and the cutback surface. The Contractor shall maintain the surface free of depressions, bumps, loose pieces, and other defects at all times. During wet weather, the Contractor shall provide a solid, non-skid surface over temporary pavement to protect the surface from damage by traffic.

Temporary pavement shall be replaced with permanent pavement, as soon as is practical after the trench is backfilled and as allowed by the Engineer.

Until the permanent pavement is placed, the base rock and temporary asphalt plant mix at the surface of the trench shall be maintained at all times. Continuous inspection and maintenance of the trench area will be required.

Any excavation shall also conform to the provisions in Section 100, "Street Opening and Pavement Restoration Regulations" of the Standard Specifications.

Full compensation for doing all the work involved in trench excavation, water control and dewatering, bedding and backfilling, and placement of temporary paving shall be considered as included in the contract prices paid for the various items of work and no additional compensation will be made therefore.

9-1.18 Asphalt Concrete

Asphalt concrete shall be in accordance with the provisions of Section 39, "Hot Mix Asphalt", of the Standard Specifications and these Special Provisions.

Asphalt concrete for base and surface course paving shall be Type A, $\frac{3}{4}$ " maximum, medium aggregate. Asphalt concrete shall have a viscosity grade of PG_64-16 as specified by Caltrans Standard Specification Section 92.

Spreading equipment shall conform to the applicable provisions of Section 39-2.01C(2) "Spreading, and Compacting Equipment" of the Caltrans Specifications. Nominal thickness of top layer/overlay shall be two (2) inches.

Compaction of the asphalt concrete shall conform to the applicable provisions of Section 39-2.01C(2)(c) "Method Construction Equipment" of the Caltrans Specifications. Contractor shall use two minimum 10 ton vibratory rollers.

Alternate compacting equipment or substitution of a vibratory roller for a pneumatic-tired roller will not be permitted or approved.

If requested by the Engineer, the Contractor shall provide a ski on the paving machine.

If poor quality paving joints show deterioration or open areas that allow water through the paving within one (1) year of paving, the Contractor will be required to fog seal for the full joint length for a minimum six (6) foot wide pass. All costs for seal will be at no additional cost to the City of Stockton.

Asphalt concrete shall not be placed adjacent to the curb and gutter until the area behind the curb and gutter is fully backfilled and compacted. It shall be the Contractor's responsibility, based on weather predictions, to schedule his paving operations to avoid paving in the rain or fog. If the day's operations are canceled because of predicted rain or fog, a non-working day will be allowed regardless of actual working conditions. The Engineer will determine whether the day's operation shall be canceled due to predicted rain or fog.

Asphalt concrete shall not be placed on any surface, which contains ponded water or excessive moisture in the opinion of the City Engineer.

If paving operations are in progress and rain or fog forces a shut down, loaded trucks in transit shall return to the plant, and no compensation will be allowed therefore.

The Contractor shall furnish and use canvas tarpaulins to cover all loads of asphalt from the time that the mixture is loaded until it is discharged from the delivery vehicle, unless otherwise directed in writing by the Engineer.

The area to which paint binder has been applied shall be closed to public traffic. Care shall be taken to avoid tracking binder material onto existing pavement surfaces beyond the limits of construction.

No traffic shall be allowed on to the area to which paint binder has been applied with the exception of vehicles unloading asphalt concrete. All vehicles involved with the Contractor's operations shall turn around within the road right-of-way. Driveways and other private property shall not be used without prior written consent of the involved property owner, a dated copy of which shall be delivered to the Engineer prior to the use thereof.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in constructing asphalt concrete, complete in place, shall be considered as included in the prices paid for Hot Mix Asphalt and Class II Aggregate Base (for AB under pavement in street only), and no additional compensation will be allowed therefore.

9-1.19 Construction Site Waste Materials Management

Lead Compliance Plan

Attention is directed to Section 7-1.02K(6)(j)(ii) "Lead Compliance Plan," and Section 84-9.03C "Remove Traffic Stripes and Pavement Markings Containing Lead" of the Caltrans Specifications.

A lead compliance plan for worker health and safety must be prepared by a Certified Industrial Hygienist (CIH) and must be submitted and implemented prior to the start of construction activities. This plan is needed in order to comply with California Occupational Safety and Health Administration (Cal OSHA) regulations addressing aerially deposited lead for projects involving soil disturbance, and to minimize worker exposure to lead chromate or lead while handling paint and thermoplastic residue.

Allow 7 days for the Engineer's review. Obtain authorization for the plan before starting any activity that presents the potential for lead exposure.

The plan shall include items listed in 8 CA of Regs § 1532.1(e)(2)(B). Obtain authorization for the plan before starting any activity that presents the potential for lead exposure.

Contractor shall provide a safety training program to employees who have no prior training, including City employees. The safety training program shall comply with 8 CA Code of Regs § 1532.1 and the provided lead compliance plan. Contractor shall submit copies of air monitoring or job site inspection reports made by or under the direction of the CIH under 8 CA Code of Regs § 1532.1 within 10 days after the date of monitoring or inspection.

Supply personal protective equipment, training, and washing facilities required by your lead compliance plan for five City employees.

Removal of Traffic Stripe and Pavement Marking

Removal of existing traffic stripes and marking shall be per Caltrans Standard Specifications Section 84-9.03B.

Where grinding or other methods approved by the Engineer are used to remove thermoplastic traffic stripes and pavement markings, the removed residue, including dust, shall be tested for lead and chromium content. If the thermoplastic grindings are found to be hazardous, the materials shall be disposed of at a Class 1 facility.

Residue from removing traffic stripes and pavement markings which contains lead from the paint or thermoplastic. The average lead concentrations are less than 1,000 mg/kg total lead and 5 mg/L soluble lead. This residue:

1. Is a nonhazardous waste
2. Does not contain heavy metals in concentrations that exceed thresholds established by the Health and Safety Code and 22 CA Code of Regs
3. Is not regulated under the Federal Resource Conservation and Recovery Act (RCRA), 42 USC § 6901 et seq.

Submit a lead compliance plan under section 7-1.02K(6)(j)(ii) "Lead Compliance Plan", of the Caltrans Specifications.

Earth Material Containing Lead

This section includes specifications for handling, removing, and disposing of earth material containing lead.

Submit a lead compliance plan.

If earth material is disposed of:

1. Disclose the lead concentration of the earth material to the receiving property owner when obtaining authorization for disposal on the property
2. Obtain the receiving property owner's acknowledgment of lead concentration disclosure in the written authorization for disposal
3. You are responsible for any additional sampling and analysis required by the receiving property owner

If you choose to dispose of earth material at a commercial landfill:

1. Transport it to a Class III or Class II landfill appropriately permitted to receive the material
2. You are responsible for identifying the appropriately permitted landfill to receive the earth material and for all associated trucking and disposal costs, including any additional sampling and analysis required by the receiving landfill

Soil Handling

Excess soils must be handled as potential hazardous waste, or the excess soils must be tested for concentrations of lead prior to disposal.

Payment

Full compensation for testing and preparation of lead compliance plan handling material contaminated, or potentially contaminated with aerially deposited lead, except as otherwise provided, shall be considered as paid for by the Contractor and no additional compensation will be allowed therefor.

Payment for handling, removal, and disposal of pavement residue that is a nonhazardous waste is included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefor.

9-1.20 Concrete Curbs, Sidewalks, and Wheelchair Ramps

Contractor shall be responsible replacing broken concrete curb, gutter, sidewalk, curb returns, including wheelchair ramps, grooving, driveways, and flat work due to contractor's activities. The work shall be in accordance with the provisions of Sections 73, "Concrete Curbs and Sidewalks", and 90, "Concrete", of the Caltrans Standard Specifications, these Special Provisions, and as shown on the Plans.

Portland cement concrete shall conform to Section 90-2, "Minor Concrete," of the Caltrans Specifications and shall contain not less than 505 pounds of cementitious material per cubic yard for all uses. Certification of the concrete shall be received from the vendor and delivered to the City Inspector at the time the concrete is poured.

The Contractor shall sawcut all existing concrete curb, gutter and sidewalks, driveways, and other concrete improvements that will be matched with new improvements at the locations indicated on the Plans and where directed by the Engineer.

Expansion joints shall be constructed wherever required by the Standard Specifications, at the locations indicated on the Plans, and where directed by the Engineer. Expansion joints shall be filled with 3/8"-thick premolded expansion joint filler conforming to ASTM D-1751.

Concrete shall be cured using the curing compound method for curb, sidewalks, and gutters. The curing compound shall be the clear or translucent type conforming to the

specifications of AASHTO Designation: M148, Type 1, except that the loss of water in the water retention test shall not exceed 0.040 gram per square centimeter or surface. The curing compound shall contain a fugitive dye and shall be applied at the approximate rate of one (1) gallon per one hundred fifty (150) square feet of area. The curing compound shall be applied in a manner that will provide a complete coating of all exposed faces of the concrete surface. Alternate curing methods shall be submitted to the Engineer for approval before use.

Reinforcing steel, where required, shall conform to Section 52, "Reinforcement", of the Caltrans Specifications and these Special Provisions. All rebar shall be Grade 60.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for concrete sidewalks, including ramps, including all grading necessary for installation of concrete sidewalk or concrete ramps, to finished grade, disposal of all excess material, all sawcuts, reinforcements where required, grading under concrete, providing and grading aggregate base subbase, backfill, compaction, watering, expansion joint filler, concrete and curing compound, grooving, and for doing all the work involved in furnishing and placing concrete sidewalks, or ramps, complete in place, as shown on the Plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer shall be included in the prices paid Concrete Sidewalk, Concrete Driveways, and Curb Ramp and no additional work compensation will be allowed therefor. Where sidewalk, or driveway is adjacent to curb or curb and gutter, the six (6) inch dimension from face of curb to back of curb shall not be counted.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals for concrete curb and gutter, including all aggregate subbase, reinforcement, sawcuttings, backfill, compaction, watering, expansion joint filler, and concrete curing compound, and for doing all the work involved in furnishing and placing concrete curb and gutter, complete in place, as shown on the Plans, as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer shall be included in the prices paid for Remove Curb & Gutter and Concrete Curb & Gutter and no additional work compensation will be allowed therefor.

Broken pieces of concrete shall be immediately removed from the job site and disposed. No portions of broken concrete shall remain on the job site overnight. Contractor shall pay to the City of Stockton the sum of **Two Hundred Fifty Dollars (\$250)** for every calendar day where debris has remained on the job site overnight.

9-1.21 Surface Restoration

Surface restoration shall consist of restoring all areas within the limits of work to their original existing condition prior to construction or to the condition shown on the Plans or specified in the Specifications.

The Contractor shall restore all paved areas, such as driveways, curb and gutter, roadway surfaces, ditches, concrete, etc., landscaped areas, and all other improvements disturbed or damaged by his operations; including concrete damaged as part of the work.

Payment for the restoration of damaged areas, for which specific bid items are not provided, shall be included in the prices paid for various items of work and no additional compensation will be allowed therefore.

9-1.22 Traffic Stripes, Pavement Markings, and Pavement Markers

Contractor shall be responsible for repairing and replacing Contractor-damaged traffic stripes and pavement legends, including crosswalks per the California MUTCD and Section 84, "Markings", of the Caltrans Specifications, as modified herein, and as directed by the Engineer. All pavement traffic stripes, legends, arrows and crosswalks shall be installed with hot applied thermoplastic pavement material.

The thermoplastic material shall be free of lead and chromium and conform to State Specification PTH-02ALKYD (for markings) and PTH-02SPRAY (for stripes). Thermoplastic material shall be applied to the pavement at a minimum thickness of 0.060 inches for long lines (4 inches stripes and 8 inches stripes in width) and 0.100 inches for all legends and arrows. The crosswalk lines and limit lines shall be installed at a minimum thickness of 0.125 inches.

A double extruded thermoplastic traffic stripe consisting of two 4-inch wide yellow stripes is measured as 2 traffic stripes.

A double sprayable thermoplastic traffic stripe consisting of two 4-inch wide yellow stripes is measured as 1 traffic stripe.

If the contractor chooses to install stripes by using a cart (extruded) rather than a striping vehicle, all striping shall be applied to the pavement at a minimum thickness of 0.090 inches. Glass beads shall conform to State Specification in Sections 84-2.02D, 84-2.02E, and 84-2.03C(2)e. Thermoplastic pavement markings and stripes shall be free of runs, bubbles, craters, drag marks, stretch marks, and debris.

Use appropriate installation procedures according to manufacturer. If pavement markings are applied to existing surface over existing painted legends (arrows and crosswalks), existing pavement legends (arrows and crosswalks) shall be removed before thermoplastic material is applied. For either material, pavement shall be preheated to remove all residual moisture prior to installation.

Configuration of traffic stripes, pavement markings, and crosswalks shall conform to the detail and methods as set forth in the latest issue of the State of California MUTCD and Caltrans Specifications, unless specifically modified on the Plans.

All existing traffic stripes and pavement markings shall be removed where shown on the Plans, where the existing striping conflicts with proposed striping, and as designated by the Engineer.

Existing pavement markers, including underlying adhesive, when no longer required for traffic lane delineation, as directed by the Engineer, shall be removed and disposed of.

Removal of traffic stripes and pavement markings, or the removal of objectionable material, shall be performed using methods approved in advance by the Engineer. All resulting residue and dust shall be removed immediately from the surface being treated. Such removal shall be by a vacuum attachment operating concurrently with the blast cleaning operation. **The removal of yellow paint and thermoplastic material shall include testing for lead prior to disposal of the material. Disposal of materials containing lead shall conform to state approved practices.** The removal of yellow paint and thermoplastic material shall also conform to the provisions in Section 10-1.19 "Construction Site Waste Materials Management" of these Special Provisions.

The Contractor shall place control points for the Engineer to review and approve. No additional "cat tracks" shall be placed until control points are approved by the Engineer. The Contractor shall obtain approval from the Engineer on all striping cat tracks prior to final application and striping and markers.

The Contractor shall place and remove any temporary striping required for routing traffic through the project area.

All thermoplastic shall be provided by the Contractor. Manufacturer and specifications shall be submitted for approval and shall conform to the specifications contained herein. All thermoplastic supplied shall conform to the local air pollution regulations. Traffic line markings shall be reflectorized and shall conform to the Caltrans Specifications, Section 84-2, "Traffic Stripes and Pavement Markings".

Existing surface which is to receive the thermoplastic material shall be mechanically wire brushed to remove all dirt and contaminants. Thermoplastic material shall be applied only to the dry pavement surfaces and only when the pavement surface temperature is above fifty (50°F) degrees Fahrenheit. Thermoplastic shall be applied only on a thoroughly dry surface and during periods of favorable weather.

The Contractor shall make all necessary conform striping as required. The completed stripes and markings shall be sharp and clear with clean, well-defined edges.

Any damage by the elements to a new stripe or marking due to the failure of any Contractor to protect his work shall be repaired by him at no additional cost. Any overspray or tracking of fresh thermoplastic material onto unpainted surfacing shall be removed by any methods to the satisfaction of the Engineer.

On one-way streets and median-divided streets, the side of the retroreflective raised pavement markers that is visible to traffic proceeding in the wrong direction shall be red. The other retroreflective side shall be white or yellow as per the detail.

Blue Raised Pavement Markers shall be installed after any surface treatment (overlay, micro-surfacing, chip-seal, cape-seal, etc.) solely for aiding in locating fire hydrants.

(1) *Two-Way Streets*—Markers should be placed 6 inches from the edge of painted centerline on the side nearest the fire hydrant. If the street has no centerline, the marker should be placed 6 inches from the approximate center of the roadway on the side nearest the hydrant.

(2) *Streets with Left Turn Lane at Intersection*—Markers should be placed 6 inches from the edge of painted white channelizing line on the side nearest the hydrant.

(3) *Streets with Continuous Two-Way Turn Lane*—Markers should be placed 6 inches from the edge of the painted yellow barrier line on the side nearest the fire hydrant.

(4) *One-way streets and median-divided streets*—Markers should be placed 6 inches from the edge of lane line on the side nearest the fire hydrant (at least 12' from curb or edge of traveled way). Typical marker locations are shown on Figure 3B-102 (CA) of California MUTCD.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in replacing traffic stripes and legends, including any necessary cat tracks, dribble lines, and layout work, placement, removal, and disposal of any and all conflicting striping and pavement markers shall be considered as included in the contract prices paid for the various contract items, and no additional compensation will allowed therefore.

19-1.23 Barricades and Channelizers

Barricades shall be furnished, placed and maintained at the locations shown on the approved Traffic Control Plan (TCP), specified in Part 6 of the California MUTCD, in the Standard Specifications or in these Special Provisions or where designated by the Engineer. Barricades shall conform to the provisions in Section 12, "Temporary Traffic Control," of the Standard Specifications and these Special Provisions.

Attention is directed to Section 8-1.01 "Pre-qualified and Tested Signing and Delineation Material" of these Special Provisions regarding retroreflective sheeting for barricades.

Construction area sign and marker panels conforming to the provisions in Part 6 of the California MUTCD and Section 12-3.11, "Construction Area Signs," and Section 12-3.11B(2), "Stationary-Mounted Signs," of the Caltrans Specifications shall be installed on barricades in a manner determined by the Engineer at the locations shown on the Plans and the TCP. Where provided, pedestrian barricades and channelizing devices shall comply with sections 6F.63, 6F.68, and 6F.71 of the MUTCD.

Channelizers shall conform to the provisions in Section 12, "Temporary Traffic Control," of the Caltrans Specifications and these Special Provisions.

Channelizers shall conform to the provisions in Section 8-1.01 "Pre-qualified and Tested Signing and Delineation Material" of these Special Provisions.

When no longer required for the work as determined by the Engineer, channelizers (except channelizers to be left in place) and underlying adhesive used to cement the channelizer bases to the pavement shall be removed. Removed channelizers and adhesive shall become the property of the Contractor and shall be removed from the site of work.

Full compensation for furnishing, installing, maintaining, and removing construction area signs and marker panels on barricades, and installing and removing channelizers shall be considered as included in the lump sum price paid for "Traffic Control System", and no additional work compensation will be allowed therefor.

9-1.24 Roadside Signs

Roadside signs shall be furnished, placed, and maintained at the locations shown on the Plans, and as specified in City of Stockton Standard Drawings R-109, without coupling and extension.

All new signs shall be 3M brand HIP and covered with anti-graffiti film (3M brand 1160 overlay film).

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in installing roadside signs shall be considered as included in the contract price paid for the "Install Roadside Signs", and no additional compensation will allowed therefore.