DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
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Flex your power!
Be energy efficient!

May 9, 2012

10-SJ-99-10.6/14.9
10-0E6124
Project ID 1000020441

Addendum No. 2

Dear Contractor:

This addendum is being issued to the contract for CONSTRUCTION ON STATE HIGHWAY IN SAN JOAQUIN COUNTY IN AND NEAR STOCKTON FROM 0.8 MILE SOUTH OF FRENCH CAMP ROAD UNDERCROSSING TO 0.3 MILE NORTH OF ARCH ROAD UNDERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on Wednesday, May 23, 2012.

This addendum is being issued to revise the Project Plans, the Notice to Bidders and Special Provisions, and the Bid book.

Project Plan Sheets 8, 9, 10, 11, 12, 13, 14, 16, 18, 19, 20, 21, 22, 23, 24, 58, 64, 209, 210, 211, 212, 220, 248, 249, 250, 269, 270, 272, 277, and 283 are revised. Copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheet 80A is added. A copy of the added sheet is attached for addition to the project plans.

In the Notice to Bidders and Special Provisions, in the "STANDARD PLANS LIST," the following Standard Plan is added:

"B11-47 Cable Railing"

In the Special Provisions, Section 5-1.18, "NONHIGHWAY FACILITIES (INCLUDING UTILITIES)," is revised as attached.

In the Special Provisions, Section 10-1.20, "PROGRESS SCHEDULE (CRITICAL PATH METHOD)," is revised as attached.

In the Special Provisions, Section 10-1.215, "RIGHT OF WAY OBSTRUCTIONS," is added as attached.

In the Special Provisions, Section 10-1.37, "EARTHWORK," the following paragraph is added after the twelfth paragraph.

"Full compensation for Temporary Retaining Walls is included in the contract unit price pay per cubic yard of Imported Borrow (Mechanically Stabilized Embankment Walls)."

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In the Special Provisions, Section 10-1.38, "EARTH RETAINING STRUCTURES," the third paragraph is revised as follows:

"At the Contractor's option, one of the following acceptable alternative earth retaining systems may be constructed:

Proprietary Earth Retaining System	Address and Phone Number	Web Site
Welded Wire Wall	Hilfiker Retaining Walls 1902 Hilfiker Lane Eureka, CA 95503-5711 (707) 443-5093 or (800) 762-8962	www.hilfiker.com
Reinforced Earth – 5 ft cruciform	The Reinforced Earth Company 1660 Hotel Circle North, Suite 304 San Diego, CA 92108 (619) 688-2400	www.reinforcedearth.com
Reinforced Earth – 5 ft square	The Reinforced Earth Company 1660 Hotel Circle North, Suite 304 San Diego, CA 92108 (619) 688-2400	www.reinforcedearth.com
Retained Earth	The Reinforced Earth Company 1660 Hotel Circle North, Suite 304 San Diego, CA 92108 (619) 688-2400	www.reinforcedearth.com
ARES – 9 by 5 ft	Tensar International Corporation 2500 Northwind Parkway, Suite 500 Alpharetta, GA 30009 (888) 828-5126	www.tensarcorp.com
Landmark Reinforced Soil Wall System	Anchor Wall Systems, Inc. 5959 Baker Road, Suite 390 Minnetonka, MN 55345-5995 (877) 295-5415	www.anchorwall.com
KeySystem 1	Keystone Retaining Wall Systems 4444 West 78th Street Minneapolis, MN 55435 (952) 897-1040	www.keystonewalls.com
Verdura Segmental Retaining Wall System	Soil Retention Products 2501 State Street Carlsbad, CA 92008 (800) 346-7995	www.soilretention.com
Mesa Retaining Wall System	Tensar International Corporation 2500 Northwind Parkway, Suite 500 Alpharetta, GA 30009 (888) 828-5126	www.tensarcorp.com

"

In the Special Provisions, Section 10-1.66, "ROADSIDE SIGNS," is revised as attached.

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In the Special Provisions, Section 10-1.765, "MISCELLANEOUS CONCRETE CONSTRUCTION," is added as attached.

In the Special Provisions, Section 10-1.83, "CONCRETE BARRIER," the following paragraph is added after the second paragraph.

"Concrete barrier (Type 60P) is paid for as concrete barrier (Type 60)."

In the Bid book, in the "Bid Item List," Items 45, 71, 72, 108 and 112 are revised, Items 182, 183, 184, and 185 are added and Items 130, and 181 are deleted as attached.

To Bid book holders:

Replace pages 5, 6, 8, 9 and 11A of the "Bid Item List" in the Bid book with the attached revised pages 5, 6, 8 ,9 and 11A of the Bid Item List. The revised Bid Item List is to be used in the bid.

Inquiries or questions in regard to this addendum must be communicated as a bidder inquiry and must be made as noted in the Notice to Bidders section of the Notice to Bidders and Special Provisions.

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the Bid book.

Submit bids in the Bid book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This addendum and attachments are available for the Contractors' download on the Web site:

http://www.dot.ca.gov/hq/esc/oe/project_ads_addenda/10/10-0E6124

If you are not a Bid book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

Rebecca D. Harnagel

REBECCA D. HARNAGEL
Chief, Office of Plans, Specifications & Estimates
Office Engineer
Division of Engineering Services

Attachments

5-1.18 NONHIGHWAY FACILITIES (INCLUDING UTILITIES)

The utility owner will relocate a utility shown in the following table before the corresponding date shown:

Utility Relocation and Date of the Relocation

Utility	Location	Date
PG&E ¾-inch Gas Main	SR 99 STA 577+90, 63' Lt	7/31/12
PG&E Aerial Electrical (17Kv)	SR 99 STA 588+90	7/31/12
PG&E Aerial Electrical (17Kv)	SR 99 STA 596+80	7/31/12
PG&E Aerial Electrical (17Kv)	French Camp Rd STA 99+73 to STA 105+36, 45'Lt	7/31/12
PG&E Aerial Electrical (17Kv)	French Camp Rd STA 108+26 to STA 114+15, 43' Lt	7/31/12
PG&E 4-inch Gas Main	French Camp Rd STA 99+50 to STA 109+50, 30' Rt (protect in place)	5/31/12
PG&E 4-inch Gas Main	French Camp Rd STA 105+00 to STA 114+15, 43' Lt	5/31/12
PG&E 1-3/4-inch Gas Service	French Camp Rd STA 102+48, 30' Rt	5/31/12
PG&E 1-inch Gas Service	French Camp Rd STA 103+22, 30' Rt	5/31/12
AT&T Aerial Telephone	French Camp Rd STA 108+30, 45' Lt	5/31/12
AT&T Underground Telephone	French Camp Rd STA 105+50 to STA 114+15, 30' Lt	5/31/12
AT&T Underground Telephone Box	French Camp Rd STA 108+40, 45' Lt	5/31/12

During the progress of the work under this Contract, the utility owner will relocate a utility shown in the following table within the corresponding number of days shown. Notify the Engineer before you work within the approximate location of a utility shown. The days start on the notification date.

Utility Relocation and Department-Arranged Time for the Relocation

Utility	Location	Days
PG&E Electric Poles	Existing PG&E electric poles and overhead lines at the following locations will be relocated after the existing buildings that are along the proposed new SB off-ramp ("FR4" line) have been vacated, by July 31, 2012: "FR4" Sta 17+89, 24' LT "FR4" Sta 18+50, 59' LT "FR4" Sta 18+89, 16' RT "FRENCH1" Sta 102+37, 44' LT "FRENCH1" Sta 110+91, 45' LT "SR 99" Sta 588+92 "SR 99" Sta 596+77	PG&E will require two (2) weeks minimum to relocate poles and lines.

Installation of the utilities shown in the following table requires coordination with your activities. Make the necessary arrangements with the utility company through the Engineer and submit a schedule:

1. Verified by a representative of the utility company
2. Allowing at least the time shown for the utility owner to complete its work

Utility Relocation and Contractor-Arranged Time for the Relocation

Utility	Utility Address	Location	Days
PG&E Electric Poles	Don Hellier, PG&E Phone: (209) 402-7888 4040 West Lane Stockton, CA 95204	Existing PG&E electric poles and overhead lines at the following locations will be relocated near the end of Stage 2, when the new interchange ramps are in operation and the existing luminaires that are powered by these poles are no longer needed: "FR3" Sta 9+43, 80' LT "FR3" Sta 11+88, 63' LT "FR3" Sta 14+06, 43' LT "SR 99" Sta 617+22, 132' LT "SR 99" Sta 619+00, 131' LT	Contractor to provide PG&E with six (6) weeks advance notice before completion of new interchange ramps and lighting system. PG&E will require two (2) weeks minimum to relocate poles and lines.

10-1.20 PROGRESS SCHEDULE (CRITICAL PATH METHOD)

SUMMARY

Comply with Section 8-1.04, "Progress Schedule," of the Standard Specifications except you must use computer software to prepare the schedule.

You are 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: Current extended date for completion of the contract shown on the Weekly Statement of Working Days furnished by the Engineer as specified in Section 8-1.06, "Time of Completion," of the Standard Specifications.

data date: 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.

early completion time: Difference in time between an early scheduled completion date and the contract completion date.

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

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

narrative report: Document submitted with each schedule that discusses topics related to project progress and scheduling.

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

State-owned float activity: Activity documenting time saved on the critical path by actions of the State. It is the last activity prior to the scheduled completion date.

time impact analysis: Schedule and narrative report developed specifically to demonstrate what effect a proposed change or delay has on the current scheduled completion date.

time-scaled network diagram: Graphic depiction of a 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: Amount of time that an activity or chain of activities can be delayed before extending the scheduled completion date.

GENERAL REQUIREMENTS

Submit 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 the critical path method to determine controlling activities.
2. Duration activities less than 20 working days.
3. At least 50 but not more than 500 activities, unless authorized. The number of activities must be sufficient to assure adequate planning of the project, to permit monitoring and evaluation of progress, and to do an analysis of time impacts.
4. Each required constraint. Constraints other than those required by the special provisions may be included only if authorized.
5. State-owned float as the predecessor activity to the scheduled completion date.
6. Activities with identification codes for responsibility, stage, work shifts, location, and contract pay item numbers.

You may show early completion time on any schedule provided that the requirements of the contract are met. Early completion time is considered a resource for your exclusive use. You may increase early completion time by improving production, reallocating resources to be more efficient, performing sequential activities concurrently, or by completing activities earlier than planned. You may also submit for approval a VECP as specified in Section 4-1.035B, "Value Engineering Change Proposal." of the Standard Specifications that will reduce time of construction.

You may show a scheduled completion date that is later than the contract completion date on an update schedule, after the baseline schedule is accepted. Provide an explanation for a late scheduled completion date in the narrative report that is included with the schedule.

State-owned float is considered a resource for the exclusive use of the State. The Engineer may accrue State-owned float by the early completion of review of any type of required submittal when it saves time on the critical path. Prepare a time impact analysis, when requested by the Engineer, to determine the effect of the action as specified in "Time Impact Analysis." The Engineer documents State-owned float by directing you to update the State-owned float activity on the next updated schedule. Include a log of the action on the State-owned float activity and include a discussion of the action in the narrative report. The Engineer may use State-owned float to mitigate past, present, or future State delays by offsetting potential time extensions for contract change orders.

The Engineer may adjust contract working days for ordered changes that affect the scheduled completion date as specified in Section 4-1.03, "Changes," of the Standard Specifications. Prepare a time impact analysis to determine the effect of the change as specified in "Time Impact Analysis" and include the impacts acceptable to the Engineer in the next updated schedule. Changes that do not affect the controlling operation on the critical path will not be considered as the basis for a time adjustment. Changes that do affect the controlling operation on the critical path will be considered by the Engineer in decreasing time or granting an extension of time for completion of the contract. Time extensions will only be granted if the total float is absorbed and the scheduled completion date is delayed 1 or more working days because of the ordered change.

The Engineer's review and acceptance of schedules does not waive any contract requirements and does not relieve you 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 you 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 discover that any aspect of the schedule has an error or omission, you must correct it on the next updated schedule.

COMPUTER SOFTWARE

Submit a description of your proposed schedule software for authorization. All software must be compatible with the current version of the Windows operating system in use by the Engineer. The schedule software must include the latest version of Oracle Primavera P6 Professional Project Management for Windows, or equivalent.

If schedule software equivalent to P6 is proposed, it must be capable of:

1. Generating files that can be imported into P6
2. Comparing 2 schedules and providing reports of changes in activity ID, activity description, constraints, calendar assignments, durations, and logic ties

NETWORK DIAGRAMS, REPORTS, AND DATA

Include the following with each schedule submittal:

1. 2 sets of originally plotted, time-scaled network diagrams
2. 2 copies of a narrative report
3. 1 read-only compact disk or floppy diskette containing the schedule data

The time-scaled network diagrams must conform to the following:

1. Show a continuous flow of information from left to right
2. Be based on early start and early finish dates of activities
3. Clearly show the primary paths of criticality using graphical presentation
4. Be prepared on 34" x 44"
5. Include a title block and a timeline on each page

The narrative report must be organized in the following sequence with all applicable documents included:

1. Transmittal letter
2. Work completed during the period
3. Identification of unusual conditions or restrictions regarding labor, equipment or material; including multiple shifts, 6-day work weeks, specified overtime or work at times other than regular days or hours
4. Description of the current critical path
5. Changes to the critical path and scheduled completion date since the last schedule submittal
6. Description of problem areas
7. Current and anticipated delays:

    7.1. Cause of delay
    7.2. Impact of delay on other activities, milestones, and completion dates
    7.3. Corrective action and schedule adjustments to correct the delay

8. Pending items and status thereof:

    8.1. Permits
    8.2. Change orders
    8.3. Time adjustments
    8.4. Noncompliance notices

9. Reasons for an early or late scheduled completion date in comparison to the contract completion date

Schedule submittals will only be considered complete when all documents and data have been submitted as described above.

PRECONSTRUCTION SCHEDULING CONFERENCE

Schedule a preconstruction scheduling conference with your project manager and the Engineer within 15 days after contract approval. The Engineer will conduct the meeting and review the requirements of this section with you.

Submit a general time-scaled logic diagram displaying the major activities and sequence of planned operations and be prepared to discuss the proposed work plan and schedule methodology that comply with the requirements of this section. If you propose deviations to the construction staging, then the general time-scaled logic diagram must also display the deviations and resulting time impacts. Be prepared to discuss the proposal.

At this meeting, also submit the alphanumeric coding structure and activity identification system for labeling work activities. To easily identify relationships, each activity description must indicate its associated scope or location of work by including such terms as quantity of material, type of work, bridge number, station to station location, side of highway (such as left, right, northbound, southbound), lane number, shoulder, ramp name, ramp line descriptor, or mainline.

The Engineer reviews the logic diagram, coding structure, and activity identification system, and provide any required baseline schedule changes to you for implementation.

BASELINE SCHEDULE

Beginning the week following the preconstruction scheduling conference, meet with the Engineer weekly to discuss schedule development and resolve schedule issues until the baseline schedule is accepted.

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

The baseline schedule must include the entire scope of work and how you plan to complete all work contemplated. The baseline schedule must show the activities that define the critical path. 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.

The baseline schedule must not extend beyond the number of contract working days. The baseline schedule must have a data date of contract approval. If you start work before contract approval, the baseline schedule must have a data date of the 1st day you performed work at the job site.

If you submit an early completion baseline schedule that shows contract completion in less than 85 percent of the contract working days, the baseline schedule must be supplemented with resource allocations for every task activity and include time-scaled resource histograms. The resource allocations must be shown to a level of detail that facilitates report generation based on labor crafts and equipment classes for you and your subcontractors. Use average composite crews to display the labor loading of on-site construction activities. Optimize and level labor to reflect a reasonable plan for accomplishing the work of the contract and to assure that resources are not duplicated in concurrent activities. The time-scaled resource histograms must show labor crafts and equipment classes to be used. The Engineer may review the baseline schedule activity resource allocations using Means Productivity Standards or equivalent to determine if the schedule is practicable.

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 1 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 the 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 have a data date of the 21st day of the month or other date established by the Engineer. The updated schedule must show the status of work actually completed to date and the work yet to be performed as planned. Actual activity start dates, percent complete, and finish dates must be shown as applicable. Durations for work that has been completed must be shown on the updated schedule as the work actually occurred, including Engineer submittal review and your resubmittal times.

You may include modifications such as adding or deleting activities or changing activity constraints, durations, or logic that do not (1) alter the critical path(s) or near critical path(s) or (2) extend the scheduled completion date compared to that shown on the current accepted schedule. Justify in writing the reasons for any changes to planned work. If any proposed changes in planned work will result in (1) or (2) above, then submit a time impact analysis as specified in this section.

TIME IMPACT ANALYSIS

Submit a written time impact analysis (TIA) with each request for adjustment of contract time, or when you or the Engineer consider that an approved or anticipated change may impact the critical path or contract progress.

The TIA must illustrate the impacts of each change or delay on the current scheduled completion date or internal milestone, as appropriate. The analysis must use the accepted schedule that has a data date closest to and before the event. If the Engineer determines that the accepted schedule used does not appropriately represent the conditions before the event, the accepted schedule must be updated to the day before the event being analyzed. The TIA must include an impact schedule developed from incorporating the event into the accepted schedule by adding or deleting activities, or by changing durations or logic of existing activities. If the impact schedule shows that incorporating the event modifies the critical path and scheduled completion date of the accepted schedule, the difference between scheduled completion dates of the two schedules must be equal to the adjustment of contract time. The Engineer may construct and use an appropriate project schedule or other recognized method to determine adjustments in contract time until you provide the TIA.

Submit 2 copies of your TIA within 20 days of receiving a written request for a TIA from the Engineer. Allow the Engineer 15 days after receipt to review the submitted TIA. All approved TIA schedule changes must be shown on the next updated schedule.

If a TIA you submit is rejected, meet with the Engineer to discuss and resolve issues related to the TIA. If clarification is still needed, you are allowed 15 days to submit a protest as specified in Section 5-1.011, "Protests," of the Standard Specifications. If agreement is not reached, you are allowed 5 days from the date you receive the Engineer's response to your protest to submit an Initial Potential Claim Record as specified in Section 5-1.146B, "Initial Potential Claim Record," of the Standard Specifications. Only show actual as-built work, not unapproved changes related to the TIA, in subsequent updated schedules. If agreement is reached at a later date, approved TIA schedule changes must be shown on the next updated schedule. The Engineer withholds remaining payment on the schedule bid item if a TIA is requested and not submitted within 20 days. The schedule item payment resumes on the next estimate after the requested TIA is submitted. No other contract payment is withheld regarding TIA submittals.

FINAL UPDATED SCHEDULE

Submit a final update, as-built 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 your project manager or an officer of the company stating, "To my knowledge and belief, the enclosed final update 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.

PAYMENT

Progress schedule (critical path method) will be paid for at a lump sum price. The contract lump sum price paid for progress schedule (critical path method) includes full compensation for furnishing all labor, material, tools, equipment, and incidentals, and for doing all the work involved in preparing, furnishing, and updating schedules, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Payments for the progress schedule (critical path method) bid item will be made progressively as follows:

1. A total of 25 percent of the item amount will be paid upon achieving all of the following:

    1.1. Completion of 5 percent of all contract item work.
    1.2. Acceptance of all schedules and approval of all TIAs required to the time when 5 percent of all contract item work is complete.

2. A total of 50 percent of the item amount will be paid upon completion of 25 percent of all contract item work and acceptance of all schedules and approval of all TIAs required to the time when 25 percent of all contract item work is complete.
3. A total of 75 percent of the item amount will be paid upon completion of 50 percent of all contract item work and acceptance of all schedules and approval of all TIAs required to the time when 50 percent of all contract item work is complete.
4. A total of 100 percent of the item amount will be paid upon completion of all contract item work, acceptance of all schedules and approval of all TIAs required to the time when all contract item work is complete, and submittal of the certified final update schedule.

If you fail to complete any of the work or provide any of the schedules required by this section, the Engineer makes an adjustment in compensation as specified in Section 4-1.03C, "Changes in Character of Work," of the Standard Specifications for the work not performed. Adjustments in compensation for schedules will not be made for any increased or decreased work ordered by the Engineer in s

10-1.215 RIGHT OF WAY OBSTRUCTIONS

Attention is directed to the occupied improvements located within the right of way at:

Parcel Number	Description	Estimated Date Available to Contractor
16384	Work Around Parcel	6/01/2012
16385	Work Around Parcel	6/01/2012
16387	Work Around Parcel	10/01/2012
16388	Work Around Parcel	10/01/2012

It is anticipated that these improvements will be vacated and removed by the dates shown in the above table.

The Contractor shall take no action that will result in unnecessary inconvenience, disproportionate injury or any action coercive in nature to the occupants of these improvements who have not yet moved from the improvements.

In the event that the improvements mentioned above are not removed by the date specified and, if in the opinion of the Engineer, the Contractor's operations are delayed or interfered with by reason of the improvements not being removed by the date specified, the State will compensate the Contractor for the delays to the extent provided in Section 8-1.09, "Right of Way Delays," of the Standard Specifications.

10-1.66 ROADSIDE SIGNS

Roadside signs shall be furnished and installed at the locations shown on the plans or where designated by the Engineer and in conformance with the provisions in Section 56-2, "Roadside Signs," of the Standard Specifications and these special provisions.

The Contractor shall furnish roadside sign panels in conformance with the provisions in "Furnish Sign" of these special provisions.

Wood posts shall be pressure treated after fabrication in conformance with the provisions in Section 58, "Preservative Treatment of Lumber, Timber and Piling," of the Standard Specifications and AWPA Use Category System: UC4A, Commodity Specification A or B.Type N (CA) marker panels mounted on a post with a roadside sign shall be considered to be sign panels and will not be paid for as markers.

Grout used to fill sign posts and post pockets shall be a neat cement paste of portland cement and water. The water content shall not be more than 4 gallons per 94 pounds of cement.

Immediately before placing a sign post in a post pocket:

1. Clean the post pocket and thoroughly saturate it with water
2. Remove all free water and dry the post pocket to a saturated surface dry condition

Place grout into the post pocket and insert the post. Retempering of the grout is not allowed. Cure the grout at least 3 days using the curing compound method or by keeping the surface continuously damp.

Full compensation for furnishing and placing grout in sign posts and post pockets is included in the contract price paid per pound for metal (rail mounted sign), and no additional compensation will be allowed.

10-1.765 MISCELLANEOUS CONCRETE CONSTRUCTION

Minor concrete (brick pattern) shall conform to the provisions in Section 73, "Concrete Curbs and Sidewalks," of the Standard Specifications and these special provisions.

Aggregate for minor concrete (brick pattern) shall conform to the grading specified for fine aggregate in Section 90-3.03, "Fine Aggregate Grading," of the Standard Specifications. Aggregate for grout shall conform to the following grading:

Sieve Sizes	Percentage Passing
No. 4	100
No. 8	90 - 100
No. 16	60 - 100
No. 30	35 - 70
No. 50	15 - 35
No. 100	2 - 15

Samples of the colors specified for brick pattern are available for review by prospective bidders at the office of the Department of Transportation, Landscape Branch, 1976 East Charter Way, Stockton, California. Portland cement concrete closely conforming to the colors specified for brick pattern are available through commercial concrete sources.

A sample of sufficient size, of each type and color of the brick pattern, to demonstrate the brick pattern, including color hardener, curing and finishing compounds, for both grouted and ungrouted finishes, shall be submitted to the Engineer for written approval.

Brick pattern shall not be placed on the project prior to approval by the Engineer of the samples prepared and submitted by the Contractor. In the event more than one sample of each type and color of brick pattern to be placed is required by the Engineer, each additional sample will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications.

Welded wire fabric, of the size and type shown on the plans and conforming to the provisions in Section 52, "Reinforcement," of the Standard Specifications, shall be placed in the brick pattern areas as shown on the plans.

Aggregate base shall be Class 2 and shall conform to the provisions in Section 26, "Aggregate Bases," of the Standard Specifications.

The respective pattern types and colors of concrete for brick pattern shall be placed at the locations shown on the plans, struck off and compacted until a layer of mortar is brought to the surface. The concrete shall be screeded to the required grade and cross section and floated to a uniform surface.

Floor color hardener shall be applied to the plastic surface of the concrete by the "dry-shake" method using a minimum of 60 pounds of hardener per 100 square feet. Hardener shall be applied in 2 applications, shall be wood-floated after each application, and shall be trowelled only after the final floating. The resultant color of the floor hardener shall closely conform to the colors specified on the plans for the respective areas.

The forming tools for the brick pattern shall be applied to form the patterned surfaces while the concrete is still in the plastic stage of set.

Brick pattern areas shall be cured by the curing compound method. The curing compound shall be curing compound (6) conforming to the provisions in Section 90-7.01B, "Curing Compound Method," of the Standard Specifications.

The brick pattern shall be grouted in the areas shown on the plans. The grout shall be placed after initial curing of that portion of the textured paving. The grout shall be spread over the textured concrete surface and consolidated by methods recommended by the grout manufacturer and approved by the Engineer. Surplus grout shall be removed by a squeegee and damp burlap rag or by other approved methods before the curing seal is applied to the grouted areas.

Curing seal and other deleterious substances shall be removed from the impressions in the brick pattern areas, to receive the grout, before the grout is placed. Cleaning and removal methods shall not stain or discolor those portions of the textured paving to remain exposed after grouting. Methods of cleaning the impressions in brick pattern areas to be grouted shall be approved by the Engineer.

The contract price paid per cubic yard for minor concrete (brick pattern) shall include full compensation for furnishing all labor, materials (including welded wire fabric, where required, and aggregate base), tools, equipment, and incidentals, and for doing all the work involved in constructing brick pattern, including grouted areas, complete in place, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

BID ITEM LIST
10-0E6124

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
41	150805	REMOVE CULVERT	LF	660		
42	150820	REMOVE INLET	EA	10		
43	150860	REMOVE BASE AND SURFACING	CY	390		
44	152390	RELOCATE ROADSIDE SIGN	EA	14		
45	153103	COLD PLANE ASPHALT CONCRETE PAVEMENT	SQYD	130,000		
46	153214	REMOVE CONCRETE CURB	LF	4,210		
47	153225	PREPARE CONCRETE BRIDGE DECK SURFACE	SQFT	2,852		
48	153229	REMOVE CONCRETE BARRIER (TYPE K)	LF	1,300		
49	156590	REMOVE CRASH CUSHION (SAND FILLED)	EA	1		
50	157550	BRIDGE REMOVAL	LS	LUMP SUM	LUMP SUM	
51	157560	BRIDGE REMOVAL (PORTION)	LS	LUMP SUM	LUMP SUM	
52	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
53	190101	ROADWAY EXCAVATION	CY	78,500		
54	190110	LEAD COMPLIANCE PLAN	LS	LUMP SUM	LUMP SUM	
55 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	CY	1,190		
56	192037	STRUCTURE EXCAVATION (RETAINING WALL)	CY	3,080		
57 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	CY	673		
58	193013	STRUCTURE BACKFILL (RETAINING WALL)	CY	5,110		
59 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	CY	382		
60	193114	SAND BACKFILL	CY	3		

BID ITEM LIST
10-0E6124

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	193118	CONCRETE BACKFILL	CY	27		
62 (F)	477021	MECHANICALLY STABILIZED EMBANKMENT, LOCATION A	SQFT	27,356		
63 (F)	477022	MECHANICALLY STABILIZED EMBANKMENT, LOCATION B	SQFT	27,872		
64	198001	IMPORTED BORROW (CY)	CY	46,600		
65	022178	IMPORTED BORROW (MECHANICALLY STABILIZEDEMBANKMENT WALLS)	CY	73,200		
66	022179	WEED CONTROL MAT (RUBBER)	SQYD	600		
67	203026	MOVE-IN/MOVE-OUT (EROSION CONTROL)	EA	6		
68	203032	EROSION CONTROL (HYDROSEED) (ACRE)	ACRE	24		
69	208740	12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	LF	370		
70	260201	CLASS 2 AGGREGATE BASE	CY	47,700		
71	390131	HOT MIX ASPHALT	TON	37,800		
72	390140	RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	TON	19,400		
73	394050	RUMBLE STRIP	STA	740		
74	394060	DATA CORE	LS	LUMP SUM	LUMP SUM	
75	394074	PLACE HOT MIX ASPHALT DIKE (TYPE C)	LF	75		
76	394075	PLACE HOT MIX ASPHALT DIKE (TYPE D)	LF	1,700		
77	394076	PLACE HOT MIX ASPHALT DIKE (TYPE E)	LF	770		
78	394077	PLACE HOT MIX ASPHALT DIKE (TYPE F)	LF	790		
79	394090	PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA)	SQYD	280		
80	397005	TACK COAT	TON	120		

REVISED PER ADDENDUM NO. 2 DATED MAY 9, 2012

BID ITEM LIST

10-0E6124

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	519100	JOINT SEAL (MR 2")	LF	339		
102 (F)	520102	BAR REINFORCING STEEL (BRIDGE)	LB	968,067		
103 (F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	LB	221,730		
104 (F)	560218	FURNISH SIGN STRUCTURE (TRUSS)	LB	90,182		
105 (F)	560219	INSTALL SIGN STRUCTURE (TRUSS)	LB	90,182		
106	560244	FURNISH LAMINATED PANEL SIGN (1"-TYPE A)	SQFT	720		
107	560248	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	SQFT	540		
108	560249	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	SQFT	340		
109	560251	FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-FRAMED)	SQFT	63		
110	560252	FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-FRAMED)	SQFT	32		
111	561016	60" CAST-IN-DRILLED-HOLE CONCRETE PILE (SIGN FOUNDATION)	LF	120		
112	566011	ROADSIDE SIGN - ONE POST	EA	65		
113	566012	ROADSIDE SIGN - TWO POST	EA	2		
114	568001	INSTALL SIGN (STRAP AND SADDLE BRACKET METHOD)	EA	9		
115	641119	30" PLASTIC PIPE	LF	130		
116	652316	24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	LF	7,660		
117	652320	30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	LF	920		
118	682022	CLASS 1 PERMEABLE MATERIAL (BLANKET)	CY	170		
119	703450	WELDED STEEL PIPE CASING (BRIDGE)	LF	184		
120	022180	JACKED 42" WELDED STEEL PIPE (.625" THICK)	LF	95		

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BID ITEM LIST
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Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121	705315	24" ALTERNATIVE FLARED END SECTION	EA	10		
122	705319	30" ALTERNATIVE FLARED END SECTION	EA	1		
123	707117	36" PRECAST CONCRETE PIPE INLET	LF	4		
124	719305	MANHOLE (TYPE A)	EA	21		
125	721011	ROCK SLOPE PROTECTION (NO. 2, METHOD B)	CY	150		
126	721400	CONCRETE (SLOPE PROTECTION)	CY	14		
127	721810	SLOPE PAVING (CONCRETE)	CY	149		
128	729010	ROCK SLOPE PROTECTION FABRIC	SQYD	390		
129	731501	MINOR CONCRETE (CURB)	CY	94		
130	BLANK					
131 (F)	750001	MISCELLANEOUS IRON AND STEEL	LB	19,798		
132 (F)	750505	BRIDGE DECK DRAINAGE SYSTEM	LB	6,933		
133	800360	CHAIN LINK FENCE (TYPE CL-6)	LF	14,100		
134	820107	DELINEATOR (CLASS 1)	EA	200		
135	820131	OBJECT MARKER (TYPE K)	EA	2		
136	820132	OBJECT MARKER (TYPE L)	EA	3		
137	820134	OBJECT MARKER (TYPE P)	EA	3		
138	820135	OBJECT MARKER (TYPE R)	EA	2		
139	832003	METAL BEAM GUARD RAILING (WOOD POST)	LF	1,180		
140 (F)	833033	CHAIN LINK RAILING (TYPE 7 MODIFIED)	LF	509		

BID ITEM LIST

10-0E6124

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
181	BLANK					
182	562004	METAL (RAIL MOUNTED SIGN)	LB	270		
183	839521	CABLE RAILING	LF	780		
184	023783	MINOR CONCRETE (BRICK PATTERN)	CY	210		
185	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID: $_____