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**** WARNING ** WARNING ** WARNING ** WARNING ****

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February 2, 2006

04-SM-1-63.8/64.6
04-1123K4
ER-1187(010)E

Addendum No. 7

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN MATEO COUNTY NEAR PACIFICA ON ROUTE 1 FROM 2.1 KM TO 1.3 KM SOUTH OF LINDA MAR BOULEVARD.

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 February 7, 2006.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, and the Proposal and Contract..

Project Plan Sheets 29, 30, 31, 32, 33 and 34 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, "TABLE OF CONTENTS," the number "10-1.54," is removed.

In the Special Provisions, Section 5-1.15, "AREAS FOR CONTRACTOR'S USE," the fourth paragraph is revised as follows:

"Areas available for Contractor's use are shown on the plans. No area is available within the contract limits for the exclusive use of the Contractor. When requested by the Engineer, the Contractor shall allow the adjacent ranch property owner to traverse through the project site between the existing wooden drive and wooden walk gates as shown on the plans. A minimum 4 meter wide path shall be provided for the adjacent ranch property owner to drive farm equipment between the two wooden drive gates. The Engineer shall provide the Contractor 24-hour advance notice of when the adjacent ranch property owner intends to traverse through the project site. Use of the Contractor's work areas and other State-owned property shall be at the Contractor's own risk, and the State shall not be held liable for damage to or loss of materials or equipment located within such areas."

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In the Special Provisions, Section 10-1.13, "TEMPORARY ACCESS," the third paragraph is revised as follows:

"The Contractor shall submit to the Engineer, as provided in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications, a plan that details the work involved in developing access through the defined corridor. At a minimum, the plan shall show all grading, drainage, surfacing materials, fencing details, restoration work to remove access, and post construction stabilization. The Contractor shall place aggregate rock materials on the surface of developed temporary access roads. If temporary shoring is used to develop temporary access, the Contractor shall submit to the Engineer, as provided in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications, a plan that details the methods, structures and calculations for temporary shoring that will be used to facilitate access. The plans for temporary shoring shall be included in the submittal of the temporary access plans."

In the Special Provisions, Section 10-1.13, "TEMPORARY ACCESS," the following is added after the fifth paragraph:

"TEMPORARY ACCESS BRIDGE

Due to an existing creek crossing within the work area, a temporary access bridge shall be installed to span over the creek crossing. No fill material shall be allowed in the creek. Within 15 working days after the approval of the contract, the Contractor shall submit 3 copies of the draft temporary bridge plan to the Engineer. The Engineer will have 5 working days to review the temporary bridge plans. If revisions are required, as determined by the Engineer, the Contractor shall revise and resubmit the temporary bridge structure plans within 5 working days of receipt of the Engineer's comments. The Engineer will have 3 working days to review the revisions. Upon the Engineer's approval of the temporary bridge plans, 4 approved copies of the temporary bridge plans, incorporating the required changes, shall be submitted to the Engineer. The plan shall conform to Section 5-1.02, "Plans and Working Drawings" of the Standard Specifications and these special provisions."

In the Special Provisions, Section 10-1.13, "TEMPORARY ACCESS," the ninth paragraph is revised as follows:

"Full compensation for developing, constructing, maintaining, and removing temporary access and temporary access bridge shall be considered as included in the various contract items of work and no additional compensation will be made. Contractor shall be responsible for complying with all water pollution control measures as specified elsewhere in these special provisions. Cost for these measures associated with the Contractor's temporary access shall be at the expense of the Contractor."

In the Special Provisions, Section 10-1.54, "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection, "WORKING DRAWINGS," the fourth paragraph is revised as follows:

"If the Contractor proposes to use a construction method or construction sequence that is different than the details as shown on the plans, the Contractor shall submit a structural analysis using commercially available three dimensional time dependent analysis software. The submitted structural analysis shall include full allowable stress and ultimate strength calculations for the entire superstructure, piers and footings. The analysis and calculations shall conform to the "Project Specific Design Criteria". The Contractor's calculations shall also document that the post-tensioning forces and eccentricities shown on the Contractor's working drawings meet all the requirements of the "Project Specific Design Criteria". If additional post-tensioning is required for construction stages or other reasons, it shall be demonstrated that the stresses at critical sections in the final structure meet the allowable stress provisions of the "Project Specific Design Criteria."

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In the Special Provisions, Section 10-1.54, "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection, "A. Geometry Control Manual," the first paragraph is revised as follows:

"The Contractor shall submit a Geometry Control Manual detailing the layout and geometry control to be used in the construction of the cast-in-place prestress segmental box girder to the Engineer for approval. The geometry control manual" shall include, but not be limited to, the following:

1. The Contractor-adopted general construction techniques.
2. Erection equipment and its deployment and affect on the structure.
3. Construction or removal of temporary supports.
4. Loads.
5. Material properties.
6. Falsework.
7. Closure devices and their deployment and affect on the structure.
8. Sequence in which casting, construction methods, and step-by-step erection operations are executed, including post-tensioning.
9. Schedule of those operations, with respect to the maturity of the concrete and affect thereon.
10. The weather data shall be submitted to the Engineer on a weekly basis, or when requested by the Engineer."

In the Special Provisions, Section 10-1.54, "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection "A. Geometry Control Manual," the third paragraph is revised as follows:

"Each casting curve submittal shall be accompanied by loads, casting and erection schedules, material properties, calculation and pertinent information that is considered in its development. In developing casting curves, deformations due to creep, shrinkage, relaxation, and elastic shortening shall be considered. The concrete modulus of elasticity and creep and shrinkage characteristics shall be computed using Modulus of Elasticity and Creep and Shrinkage Coefficients, as provided herein".

In the Special Provisions, Section 10-1.54 "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection, "Forming system and Casting Procedures," the seventh paragraph is revised as follows:

"The maximum allowable concrete internal peak temperature of the superstructure segments during curing shall not exceed 70°C. The Contractor shall submit, in writing, to the Engineer, mean and methods including thermal control design calculations, that will be used by the Contractor, to confirm to the maximum allowable concrete internal peak temperature requirements. Contractor shall furnish and install a temperature monitoring and recording system. The temperature monitoring and recording system shall consist of temperature sensors and a data acquisition system. The data acquisition system shall be capable of printing, storing, and downloading data to a computer. A minimum of three concrete internal temperature sensors per superstructure segment shall be provided by the Contractor. Locations for casting the temperature sensors into the concrete within any superstructure segment shall be determined by the Engineer."

In the Special Provisions, Section 10-1.54 "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection, "TESTING," the following is added after the first paragraph:

"The Concrete modulus of elasticity and creep and shrinkage characteristics shall be used to validate the CEB-FIB Model Code as shown on the Plans."

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In the Special Provisions, Section 10-1.54 "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," "Modulus of Elasticity Test," is revised as follows:

"Modulus of elasticity tests shall be performed by the Contractor and shall be in accordance with the requirements of ASTM C 469. Ages of cylinders at the time of testing shall be 3, 28, and 90 days. The number of cylinders per test shall be three cylinders or a total of nine cylinders. Cylinders in a given sample shall be taken from the same batch of concrete. In addition to the first, the Contractor shall perform additional tests for every other cast segment of each structure. Result data from those tests shall be submitted to the Engineer."

In the Special Provisions, Section 10-1.54, "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," Subsection, "Creep and Shrinkage Test," is revised as follows:

"Creep and shrinkage tests for each structure shall be performed by the Contractor and shall be in accordance with the requirements of ASTM C 512. Ages of cylinders at time of initial loading shall be 3, 28 and 90 days. The number of cylinders per test shall be in accordance with ASTM C 512. The duration of load shall be 90 days. Cylinders shall be cured and stored in accordance with the standard curing requirements of Section 6.1 of ASTM C 512, except that the cylinders shall be moist cured for a period of 14 days or until age of test, whichever comes first. Thereafter, cylinders shall be stored at 23° C and 50 percent humidity. In addition to the first creep and shrinkage tests, the Contractor shall perform three additional creep and shrinkage tests for each structure. Result data from those tests shall be submitted to the Engineer."

In the Special Provisions, Section 10-1.54 "CAST-IN-PLACE PRESTRESS SEGMENTAL BOX GIRDER SUPERSTRUCTURE," the number "10-1.54", is removed.

In the Proposal and Contract, the Engineer's Estimate Items 85, 86, 87 and 88 are added, and Items 75, 76 and 84 are deleted as attached.

To Proposal and Contract book holders:

Replace pages 6 and 7 of the Engineer's Estimate in the Proposal with the attached revised pages 6 and 7 of the Engineer's Estimate. The revised Engineer's Estimate 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 CONTRACTORS section of the Notice to Contractors 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 proposal.

Submit bids in the Proposal and Contract 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.

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February 2, 2006

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This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it. A copy of this addendum is available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

If you are not a Proposal and Contract 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,

ORIGINAL SIGNED BY

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

Attachments

ENGINEER'S ESTIMATE
04-1123K4

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	035193	450 MM PLASTIC FLARED END SECTION	EA	1		
62	721009	ROCK SLOPE PROTECTION (FACING, METHOD B)	M3	8		
63	729010	ROCK SLOPE PROTECTION FABRIC	M2	20		
64 (S-F)	750001	MISCELLANEOUS IRON AND STEEL	KG	110		
65 (S-F)	750501	MISCELLANEOUS METAL (BRIDGE)	KG	32 200		
66 (S-F)	800386	CHAIN LINK FENCE (TYPE CL-1.2, VINYL-CLAD)	M	24		
67 (S)	800391	CHAIN LINK FENCE (TYPE CL-1.8)	M	300		
68 (S)	802672	4.9 M CHAIN LINK GATE (TYPE CL-1.8)	EA	3		
69 (S-F)	049898	TUBULAR BICYCLE RAILING	M	1210		
70 (F)	049899	CONCRETE BARRIER (TYPE 80 M)	M	1220		
71 (S)1	860403	HIGHWAY LIGHTING	LS	LUMP SUM	LUMP SUM	
72 (S)	869072	SEISMIC MONITORING SYSTEM	LS	LUMP SUM	LUMP SUM	
73 (S)	049900	BRIDGE LIGHTING SYSTEM AND FOUNDATIONS	LS	LUMP SUM	LUMP SUM	
74	BLANK					
75	BLANK					
76	BLANK					
77	200101	IMPORTED TOPSOIL	M3	1500		
78	038090	EMBANKMENT CONFINEMENT SYSTEM	M3	3570		
79	220101	FINISHING ROADWAY	LS	LUMP SUM		
80	680931	150 MM PERFORATED PLASTIC PIPE UNDERDRAIN	M	270		

**ENGINEER'S ESTIMATE
04-1123K4**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
81	680932	150 MM NON-PERFORATED PLASTIC PIPE UNDERDRAIN	M	45		
82	682045	CLASS 3 PERMEABLE MATERIAL	M3	75		
83	680933	200 MM PERFORATED PLASTIC PIPE UNDERDRAIN	M	190		
84	BLANK					
85 (S)	860761	LIGHTING CONDUIT (BRIDGE)	LS	LUMP SUM	LUMP SUM	
86	038089	200 MM NON-PERFORATED PLASTIC PIPE UNDERDRAIN	M	25		
87	128650	PORTABLE CHANGEABLE MESSAGE SIGN	E	2		
88	999990	MOBILIZATION	LS	LUMP SUM	LUMP SUM	

TOTAL BID (A): = _____

TOTAL BID (B):

\$ 10,000.00 X _____ = _____

(Cost Per Day) (Enter Working Days Bid)
(Not To Exceed 600 Days)

**TOTAL BASIS FOR COMPARISON
OF BIDS: (A + B):** _____