

**DEPARTMENT OF TRANSPORTATION**  
DIVISION OF ENGINEERING SERVICES  
OFFICE ENGINEER, MS 43  
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Be energy efficient!*

**\*\* WARNING \*\* WARNING \*\* WARNING \*\* WARNING \*\***  
**This document is intended for informational purposes only.**

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June 6, 2008

11-SD-15-R48.3/R50.7  
11-2T0824  
ACIM-015-4(202)30N  
CMLN-6211(053)N

Addendum No. 1

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN DIEGO COUNTY IN ESCONDIDO FROM NINTH AVENUE UNDERCROSSING TO 15/78 SEPARATION.

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 June 19, 2008.

This addendum is being issued to revise the Project Plans, the Notice to Contractors and Special Provisions, the Proposal and Contract, and to revise the Federal Minimum Wages with Modification Number 8 dated May 9, 2008.

Project Plan Sheets 2, 18, 83, 85, 89, 184, 186, 195, 196, 212, 222, 223, 229, 256, 263, 288, 311, 316, 335, 343, 362, 371, 372, 389, 390, 464, 465, 563 and 567 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

Project Plan Sheets 343A and 371A are added. Half-sized copies of the added sheets are attached for addition to the project plans.

In the Special Provisions, "SECTION 1. SPECIFICATIONS AND PLANS," is revised as attached.

In the Special Provisions, Section 3-1.017, "AWARD AND EXECUTION OF CONTRACT," the following paragraphs are added after the first paragraph:

"The award of the contract will be made within 60 days after the opening of the proposals. This period will be subject to extension for a further period as may be agreed upon in writing between the Department and the bidder concerned.

Requests for relief of bid and bid protests are to be delivered to the following address: Department of Transportation, MS 43, Attn: Office Engineer, 1727 30<sup>th</sup> Street, Sacramento, Ca 95816 or by facsimile to the Office Engineer at (916) 227-6282."

In the Special Provisions, Section 3-1.017, "AWARD AND EXECUTION OF CONTRACT," the following paragraph is added after the sixth paragraph:

"A small Business participation Report will be included in the contract documents to be executed by the successful bidder. The purpose of this form is to collect small business participation data. Even if no small business participation is reported, the successful bidder must execute and return the form."

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In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES," the first paragraph is revised as follows:

"The 1st working day is the 55th day after contract approval."

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES," the fourth paragraph is revised as follows:

"You may start work at the job site before the 55th day after contract approval if:"

In the Special Provisions, Section 4, "BEGINNING OF WORK, TIME OF COMPLETION, AND LIQUIDATED DAMAGES," the seventh paragraph is revised as follows:

"Liquidated damages are \$9,100 per day starting on the 1st day after exceeding 750 working days."

In the Special Provisions, Section 5-1.15, "PROJECT INFORMATION," in the third paragraph, items T through X are deleted:

In the Special Provisions, Section 5-1.15, "PROJECT INFORMATION," in the fourth paragraph, items B through F are added as follows:

- "B. Request for Proposals No. 5000680 For I-15 Managed Lanes Toll Collection System (Design, Build, Operate And Maintain) – Dated October 13, 2006.
- C. California Department of Fish and Game – Section 1602 Waiver Dated February 4, 2008.
- D. California Regional Water Quality Control Board – Section 401 Dated December 24, 2007.
- E. Temporary Water Pollution Control Exhibit (6 Sheets).
- F. Structural Sections Recommendations – Revised Dated October 30, 2007."

In the Special Provisions, Section 10-1.54, "REPLACE CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)," the second paragraph is deleted:

In the Special Provisions, Section 10-1.885, "AUTOMATIC DRAINAGE GATE," is added as attached.

In the Special Provisions, Section 10-3.02, "COST BREAK-DOWN," the ninth paragraph is revised as follows:

"The following are the quantity break-downs for the contract lump sum items of signal, lighting and electrical. The quantity break-downs are included in these special provisions for the Contractor to use for bidding purposes in the absence of signed electrical plans."

In the Special Provisions, Section 10-3.02, "COST BREAK-DOWN," the following paragraph is added after the ninth paragraph:

"The price for cost breakdown items shall include full compensation for furnishing all labor, materials,

tools, equipment, and incidentals, and for doing all the work involved in cost breakdown items, complete in place, including conductors and cables installed in conduit, and all appurtenance mounting hardware for poles and cabinets, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer."

In the Special Provisions, Section 10-3.02, "COST BREAK-DOWN," Charts 1 and 12 are revised as attached.

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In the Proposal and Contract, the Engineer's Estimate Items 25, 29, 30, 74, 102, 105, 106, 110, 112, 135, 153, 158, and 159 are revised as attached.

To Proposal and Contract book holders:

Replace the entire pages 4, 6, 8, 9, and 10 of the Engineer's Estimate in the Proposal with the attached revised pages 4, 6, 8, 9, and 10 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.

This office is sending this addendum by GSO overnight mail to, all book holders to ensure that each receives it. A copy of this addendum and the modified wage rates are available for the contractor's use on the Internet Site:

**[http://www.dot.ca.gov/hq/esc/oe/weekly\\_ads/addendum\\_page.html](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  
Division of Engineering Services - Office Engineer

Attachments

**STATE OF CALIFORNIA**  
**DEPARTMENT OF TRANSPORTATION**

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**SPECIAL PROVISIONS**

**Annexed to Contract No. 11-2T0824**

**SECTION 1. SPECIFICATIONS AND PLANS**

The work embraced herein shall conform to the provisions in the Standard Specifications dated July 1999, and the Standard Plans dated July 2004, of the Department of Transportation insofar as the same may apply, and these special provisions.

In case of conflict between the Standard Specifications and these special provisions, the special provisions shall take precedence over and shall be used in lieu of the conflicting portions.

The project plans for this project are not considered to be complete to construct the work anticipated by the contract. Design of the project, including preparation of final project plans, will be completed in phases after approval of the contract in conformance with the following:

Phase I shall consist of the following work:

- Title sheet
- Typical Cross Sections
- Key Map and Line Index
- Layouts
- Profile and Super
- Temporary WPC Details
- Temporary WPC Quantities
- Construction Details
- Erosion Control Plan
- Erosion Control Details
- Erosion Control Quantities
- Contour Grading and Drainage Plan
- Drainage Profiles
- Drainage Details
- Drainage Quantities
- Utility Plan
- Utility Details
- Utility Quantities
- Construction Area Signs
- Stage Construction and Traffic Handling Plan
- Stage Construction Quantities
- Summary of Quantities
- Retaining Wall Plan
- Retaining Wall Details, except Retaining Wall Details "R-9"
- Retaining Wall Quantities
- Log of Test Borings
- Temporary Electrical Systems
- Valley Parkway Undercrossing Bridge Plan
- Escondido Flood Control Channel Bridge Plan
- Hale Ave Undercrossing Bridge Plan

West Washington Ave Undercrossing Bridge Plan  
West Mission Ave Undercrossing Bridge Plan  
Direct Access Retaining Walls Structure Plan

Complete design of Phase I, including final plans for Phase I, is included in the project plans for this project.  
Phase II shall consist of the following work:

Plant List  
Plant removal Plan  
Planting Plan  
Irrigation Removal Plan  
Irrigation Plan  
Landscape Details  
Retaining Wall Details "R-9"

Complete design of Phase II, including final plans for Phase II, will be provided to the Contractor within 60 days after approval of the contract, providing the submittals, including the cost-break downs, have been submitted to the Engineer and approved.

The issuance of Phase II shall be by change order in conformance with Section 4, "Scope of Work," of the Standard Specifications.

Phase III shall consist of the following work:

Pavement Delineation and Sign Plan  
Pavement Delineation Details  
Pavement Delineation Quantities  
Sign Details  
West Washington Ave Undercrossing Bridge Plan  
West Mission Ave Undercrossing Bridge Plan  
Direct Access Retaining Walls Structure Plan

Complete design of Phase I, including final plans for Phase I, is included in the project plans for this project.  
Phase II shall consist of the following work:

Plant List  
Plant removal Plan  
Planting Plan  
Irrigation Removal Plan  
Irrigation Plan  
Landscape Details  
Retaining Wall Details "R-9"

Complete design of Phase II, including final plans for Phase II, will be provided to the Contractor within 60 days after approval of the contract, providing the submittals, including the cost-break downs, have been submitted to the Engineer and approved.

The issuance of Phase II shall be by change order in conformance with Section 4, "Scope of Work," of the Standard Specifications.

Phase III shall consist of the following work:

Pavement Delineation and Sign Plan  
Pavement Delineation Details  
Pavement Delineation Quantities  
Sign Details  
Sign Quantities  
Signals, Lighting and Electrical Systems

Complete design of Phase III, including final plans for Phase III, will be provided to the Contractor within 30 days after delivery of Phase II.

The issuance of Phase III shall be by change order in conformance with Section 4, "Scope of Work," of the Standard Specifications.

Project plan sheets marked, "Preliminary for Bidding Purposes Only," shall not be considered complete as to the design. These plan sheets are provided only to show the scope of the work to be performed, and shall only be used for the purpose of bid preparation.

Should the Department fail to provide the complete design, including final plans for any phase within the times specified and, in the opinion of the Engineer, the controlling operation or operations are delayed or interfered with by the delay in providing the complete design, the delay will be considered a right of way delay in conformance with the provisions in Section 8-1.09, "Right of Way Delays," of the Standard Specifications. Attention is directed to "Progress Schedule (Critical Path)" of these special provisions.

### **10-1.885 AUTOMATIC DRAINAGE GATE**

Automatic drainage gates, (flap gates), shall conform to the provisions in Section 70, "Miscellaneous Facilities," of the Standard Specifications and these special provisions.

The gates shall be designed to operate under 3 m of head face pressure measured from the center of the gate cover to the highest water level. The gate shall provide a free outflow, but shall prevent backflow. The gate shall be attached to the required pipe size or anchored to a concrete wall.

The gate shall be complete with cover, spigot-back seat, gate links, bushings, bolts, and nuts.

The gate cover and spigot-back seat shall be manufactured of cast iron conforming to the requirements in ASTM Designation: A 126, Class B. The gate links shall be manufactured of steel conforming to the requirements in ASTM Designation: A 36/A 36M. The bushings shall be manufactured of commercial quality bronze. The assembly bolts, or anchor bolts when required, and nuts shall conform to the requirements in ASTM Designation: A 307, Grade A. The gate links, bolts, and nuts shall be galvanized in conformance with the requirements in ASTM Designation: A 153.

The gate cover shall be ribbed or domed and of ample section to withstand the face pressure. The seating surfaces of the cover and spigot-back seat shall be machined or ground to fit together within a tolerance of not more than 0.10-mm throughout the circumference of the seating surfaces.

The gate cover shall be hinged from the spigot-back seat by 2 supporting links, one on each side of the gate, pivotally connected at the top of the seat and at the bottom to the cover above the center of gravity. Bushings of suitable length and diameter shall be provided at the 4 hinge points.

The gate shall be assembled in the shop and cast iron parts shall be given a shop coat of commercial quality asphaltic paint furnished by the manufacturer.

The cover of the gate, when installed, shall fit tight against the seat when there is no pressure on the cover face.

The cover shall be equipped with an eye bolt at the bottom for opening the gate under pressure.

Automatic drainage gate will be measured and paid for as flap gate.

1. Lighting and Sign Illumination along Route 15 "SD-15R1" between stations 495+18 and 517+79. Signed electrical plans will be provided to the Contractor detailing the location of measurable components as detailed in the following table.

<b>LIGHTING AND SIGN ILLUMINATION</b>	<b>UNIT DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>PRICE</b>	<b>AMOUNT</b>
Lighting standards with foundation	35, 36	EA	44		
	15D	EA	2		
	Relocated 35, 36	EA	4		
Luminaires	ISL (85W) Sign	EA	47		
	180W LPS	EA	48		
Pull Boxes	9 or 9A	EA	34		
	No. 5 or 6	EA	50		
	No. 5(T) or 6(T)	EA	20		
Conduit (m)	53C(trench)	M	2000		
	53C(barrier)	M	1600		
	53C(Jacking/Drilling)	M	700		
	78C	M	200		
	27C	M	100		
Conductors (m)	#2	M	2000		
	#4	M	3000		
	#6	M	9000		
	#8	M	4000		
	#10	M	1000		
	#14	M	1000		
Service Cabinet with foundation	Type III-B	EA	3		
	Type III-C	EA	1		
Miscellaneous	Connect CEC	EA	2		
	Sign Control (SC1A)	EA	17		
	Expansion conduit X	EA	65		
	Expansion conduit y	EA	10		
	FB controller assembly	EA	1		
Signal Head	One section head	EA	2		
			<b>TOTAL</b>		

12. Fiber Optic Communication System along Route 15 "SD-15R1" between stations 495+18 and 514+40. Signed electrical plans will be provided to the Contractor detailing the location of measurable components as detailed in the following table.

<b>FIBER OPTIC COMMUNICATION SYSTEM</b>	<b>UNIT DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>PRICE</b>	<b>AMOUNT</b>
Pole Standard with foundation	Type CCTV 40	EA	2		
Pull Box	6(E)(T) Vaults	EA EA	12 10		
Conduits	MDCS (8)(trench) MDCS(8) (Jacking/Drilling) MDCS(8) (Bridge) MVDS (2) (trench) MVDS (2) (Jacking/Drilling)	M M M M M	1900 700 500 1600 700		
Conductors	FO12 FO144 CAMERA CABLE OCC	M M M M	2500 10000 120 600		
Cabinet with foundation	Type 334 (CCTV)	EA	2		
Foundation Only	Type 334 (Reader/VTMS)	EA	8		
Miscellaneous	Fiber Optic Splices Fiber Optic Splice Closures FDU SECU Media Converter Ethernet Extender Provider Ethernet Switch Ethernet Extender Subscriber Trench Delineator	EA EA EA EA EA EA EA EA EA	1700 12 20 20 12 12 6 12 20		
FO Pigtail	SMFO SC Pigtails	EA	500		
FO Jumper	Simplex SMFO SC/SC Jumper	EA	20		
CU Jumper	CAT 5e Patch Cable	EA	10		
CU Cable	Serial Data Cable	EA	10		
			<b>TOTAL</b>		

**ENGINEER'S ESTIMATE  
11-2T0824**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
21 (S)	120120	TYPE III BARRICADE	EA	44		
22 (S)	120149	TEMPORARY PAVEMENT MARKING (PAINT)	M2	230		
23 (S)	120159	TEMPORARY TRAFFIC STRIPE (PAINT)	M	33 400		
24 (S)	120166	CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	EA	190		
25 (S)	013561	TRAFFIC PLASTIC DRUM	EA	420		
26 (S)	120300	TEMPORARY PAVEMENT MARKER	EA	5530		
27 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	13		
28	129000	TEMPORARY RAILING (TYPE K)	M	14 200		
29 (S)	129100	TEMPORARY CRASH CUSHION MODULE	EA	270		
30 (S)	013562	TEMPORARY CRASH CUSHION (ABSORB 350)	EA	25		
31	150206	ABANDON CULVERT	EA	5		
32	013563	ABANDON IRRIGATION CROSSOVER	EA	25		
33	150608	REMOVE CHAIN LINK FENCE	M	760		
34	150656	REMOVE CABLE BARRIER	M	1020		
35	150662	REMOVE METAL BEAM GUARD RAILING	M	580		
36	150685	REMOVE IRRIGATION FACILITY	LS	LUMP SUM	LUMP SUM	
37 (S)	150717	REMOVE TRAFFIC STRIPE AND PAVEMENT MARKING	M	46 600		
38	150742	REMOVE ROADSIDE SIGN	EA	43		
39	150760	REMOVE SIGN STRUCTURE	EA	13		
40	150771	REMOVE ASPHALT CONCRETE DIKE	M	380		

**ENGINEER'S ESTIMATE  
11-2T0824**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
61	157564	BRIDGE REMOVAL (PORTION), LOCATION D	LS	LUMP SUM	LUMP SUM	
62	157565	BRIDGE REMOVAL (PORTION), LOCATION E	LS	LUMP SUM	LUMP SUM	
63	157566	BRIDGE REMOVAL (PORTION), LOCATION F	LS	LUMP SUM	LUMP SUM	
64	157567	BRIDGE REMOVAL (PORTION), LOCATION G	LS	LUMP SUM	LUMP SUM	
65	160101	CLEARING AND GRUBBING	LS	LUMP SUM	LUMP SUM	
66	170101	DEVELOP WATER SUPPLY	LS	LUMP SUM	LUMP SUM	
67	190101	ROADWAY EXCAVATION	M3	45 300		
68 (F)	192003	STRUCTURE EXCAVATION (BRIDGE)	M3	2540		
69 (F)	192037	STRUCTURE EXCAVATION (RETAINING WALL)	M3	6744		
70 (F)	192049	STRUCTURE EXCAVATION (SOLDIER PILE WALL)	M3	1390		
71 (F)	193003	STRUCTURE BACKFILL (BRIDGE)	M3	1755		
72 (F)	193013	STRUCTURE BACKFILL (RETAINING WALL)	M3	11 035		
73 (F)	193029	STRUCTURE BACKFILL (SOLDIER PILE WALL)	M3	90		
74 (F)	193031	PERVIOUS BACKFILL MATERIAL (RETAINING WALL)	M3	1051		
75	193114	SAND BACKFILL	M3	140		
76 (F)	193119	LEAN CONCRETE BACKFILL	M3	225		
77 (S)	041317	DRILLED HOLE (750 MM)	M	260		
78	194001	DITCH EXCAVATION	M3	530		
79 (S)	041318	DRILLED HOLE (900 MM)	M	615		
80	041319	STEEL SOLDIER PILE (W 310 X 39)	M	1176		

**ENGINEER'S ESTIMATE  
11-2T0824**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
101	220101	FINISHING ROADWAY	LS	LUMP SUM	LUMP SUM	
102	260201	CLASS 2 AGGREGATE BASE	M3	16 100		
103	260210	AGGREGATE BASE (APPROACH SLAB)	M3	32		
104	374002	ASPHALTIC EMULSION (FOG SEAL COAT)	TONN	7		
105	390102	ASPHALT CONCRETE (TYPE A)	TONN	6800		
106	390108	ASPHALT CONCRETE BASE (TYPE A)	TONN	18 200		
107	394001	PLACE ASPHALT CONCRETE DIKE	M	2030		
108	394002	PLACE ASPHALT CONCRETE (MISCELLANEOUS AREA)	M2	3.5		
109	397001	ASPHALTIC EMULSION (PAINT BINDER)	TONN	3		
110	401000	CONCRETE PAVEMENT	M3	11 400		
111	013567	CONCRETE PAVEMENT (RAPID STRENGTH CONCRETE)	M3	870		
112	013568	CONCRETE PAVEMENT (EARLY STRENGTH CONCRETE)	M3	2750		
113	404092	SEAL PAVEMENT JOINT	M	18 400		
114	404094	SEAL LONGITUDINAL ISOLATION JOINT	M	3600		
115	413111	REPAIR SPALLED JOINTS	M2	50		
116 (S)	420201	GRIND EXISTING CONCRETE PAVEMENT	M2	43 400		
117	490511	FURNISH STEEL PILING (HP 250 X 85)	M	1858		
118 (S)	490512	DRIVE STEEL PILE (HP 250 X 85)	EA	165		
119 (S)	490658	750 MM CAST-IN-DRILLED-HOLE CONCRETE PILING	M	940		
120 (S)	490671	2.4 M CAST-IN-DRILLED-HOLE CONCRETE PILING	M	36		

**ENGINEER'S ESTIMATE  
11-2T0824**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
121 (S)	500001	PRESTRESSING CAST-IN-PLACE CONCRETE	LS	LUMP SUM	LUMP SUM	
122 (S)	041322	POST-TENSION PRECAST GIRDER	LS	LUMP SUM	LUMP SUM	
123 (S)	041323	PRESTRESSING (TRANSVERSE)	LS	LUMP SUM	LUMP SUM	
124 (S)	500050	TIEBACK ANCHOR	EA	104		
125 (F)	510051	STRUCTURAL CONCRETE, BRIDGE FOOTING	M3	630		
126 (F)	510053	STRUCTURAL CONCRETE, BRIDGE	M3	4785		
127 (F)	510060	STRUCTURAL CONCRETE, RETAINING WALL	M3	680		
128 (F)	510072	STRUCTURAL CONCRETE, BARRIER SLAB	M3	315		
129 (F)	510085	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ)	M3	70		
130 (F)	510086	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE N)	M3	382		
131	510087	STRUCTURAL CONCRETE, APPROACH SLAB (TYPE R)	M3	290		
132	510135	CLASS 2 CONCRETE (HEADWALL)	M3	2.6		
133 (F)	510220	CLASS 3 CONCRETE (BACKFILL)	M3	255		
134	510314	CLASS 4 CONCRETE (BACKFILL)	M3	2		
135 (F)	510408	CLASS 1 CONCRETE (RETAINING WALL)	M3	4111		
136	510414	CLASS 1 CONCRETE (BACKFILL)	M3	22		
137 (F)	510502	MINOR CONCRETE (MINOR STRUCTURE)	M3	254		
138	510800	PAVING NOTCH EXTENSION	M3	3.9		
139	510805	DIAPHRAGM BOLSTER	EA	32		
140 (F)	511036	ARCHITECTURAL SURFACE (BARRIER)	M2	2047		

**ENGINEER'S ESTIMATE  
11-2T0824**

Item No.	Item Code	Item Description	Unit of Measure	Estimated Quantity	Unit Price	Item Total
141 (F)	041324	SWIRLED PLASTER TEXTURE	M2	5519		
142	511106	DRILL AND BOND DOWEL	M	339		
143	511118	CLEAN EXPANSION JOINT	M	18		
144 (S)	512233	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (25 M - 30 M)	EA	3		
145 (S)	512234	FURNISH PRECAST PRESTRESSED CONCRETE GIRDER (30 M - 35 M)	EA	3		
146 (S)	512500	ERECT PRECAST PRESTRESSED CONCRETE GIRDER	EA	6		
147	515020	REFINISH BRIDGE DECK	M2	32		
148 (S)	515074	CORE CONCRETE (101 MM - 150 MM)	M	15		
149 (S)	519120	JOINT SEAL (MR 15 MM)	M	32		
150 (S)	519142	JOINT SEAL (MR 40 MM)	M	248		
151 (S)	519144	JOINT SEAL (MR 50 MM)	M	44		
152 (S-F)	520102	BAR REINFORCING STEEL (BRIDGE)	KG	817 000		
153 (S-F)	520103	BAR REINFORCING STEEL (RETAINING WALL)	KG	344 638		
154 (S-F)	520120	HEADED BAR REINFORCEMENT	EA	307		
155 (F)	530100	SHOTCRETE	M3	40		
156 (F)	540102	TREAT BRIDGE DECK	M2	2950		
157	540108	FURNISH BRIDGE DECK TREATMENT MATERIAL	L	1340		
158	560208	FURNISH SIGN STRUCTURE (TUBULAR)	KG	128 100		
159 (S)	560209	INSTALL SIGN STRUCTURE (TUBULAR)	KG	128 100		
160	560213	FURNISH SIGN STRUCTURE (LIGHTWEIGHT)	KG	3000		