

August 11, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550857

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2016-CB-045

FEDERAL-AID PROJECT NO. FAP Nos: 405-421-758

Emergency Repairs to Bridges 501, 504, 507, 509, 510, and 602

Tobey Street - Hartford Avenue

CITY/TOWN OF Providence

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Proposal

1. Pages P-11 and P-12

Remove Pages P-11 and P-12 in their entirety and replace them with revised Pages P-11 (R-1) and P-12 (R-1) attached to this Addendum No. 1. The Substantial Completion Date and Bid-Opening Date have been revised and Phase 1 Completion Date has been added.

B. Contract Documents

1. Page JS-6

Remove Page JS-6 in its entirety and replace it with revised Page JS-6 (R-1) attached to this Addendum No. 1. Item Code 108.1000 has been revised.

2. Pages JS-31 and 32

Remove Pages JS-31 and JS-32 in their entirety and replace them with revised Pages JS-31 (R-1) and JS-32 (R-1) attached to this Addendum No. 1. The first paragraph of the MATERIALS section and the 6th paragraph of the CONSTRUCTION METHODS section have been revised.

C. Drawings/Plans - Change/Addition

1. Sheet 86 - Temporary Shoring Details Sheet 1

Remove Sheet 86 in its entirety and replace it with revised Sheet 86 (R-1) attached to this Addendum No. 1. The Temporary Shoring Notes have been added.

2. Sheet 95 - Temporary Shoring Details Sheet 2

Remove Sheet 95 in its entirety and replace it with revised Sheet 95 (R-1) attached to this Addendum No. 1. The Bolster Detail Notes 2 and 3 have been revised.

D. Distribution of Quantities

1. Index Pages 1 and 2

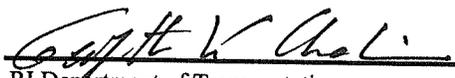
Remove Index Pages 1 and 2 in their entirety and replace them with revised Index Pages 1 (R-1) and 2 (R-1) attached to this Addendum No. 1. The Table of Contents has been revised.

2. Pages 3 and 4

Remove Pages 3 and 4 in their entirety and replace them with revised Pages 3 (R-1) and 4 (R-1) attached to this Addendum No. 1. The quantity for Item Code 803.0400 has been revised.

N/A

Federal Highway Administration
Division Administrator


for RI Department of Transportation
Chief Engineer

Revised: 2/19/2002

Total or gross sum of bid for Rhode Island Contract Number: 2016-CB-045

Federal-Aid Project Number(s): 405-421-758

WRITTEN IN WORDS:

The undersigned bidder declares that this Proposal is made without connection with any other person or persons making proposals for the same work, and is in all respects fair and without collusion or fraud. The undersigned bidder submits herewith, a proposal guarantee in the form of a bid bond in favor of the State of Rhode Island in the amount of 5% of the total or gross sum of the bid and agrees and consents that the proposal guarantee shall be forfeited to the State as liquidated damages if the required contract agreement and contract bond are not executed within ten(10) days of the notice of award. All surety companies must be listed with The Department of the Treasury, Fiscal Services, Circular 570, (Latest Revision published by The Federal Register). The State reserves the right to retain the surety of all bidders until the successful bidder enters into the Contract or until such time as the award or cancellation of the Contract is announced at which point Sureties will be returned to all bidders by the State of Rhode Island, Office of Purchases. The undersigned bidder further agrees, if awarded the contract on this proposal, to begin work within ten (10) calendar days after the date of execution of the contract unless otherwise specified under special provisions or permitted by the Engineer, and further agrees to complete the work on or before the dates outlined in the Contract Documents.

COMPLETION DATE(S)

DESCRIPTION	DATE
Phase 1 Completion Date	December 15, 2016
Substantial Completion Date	September 20, 2017
Bid-Opening Date	August 31, 2016
Advertise Date	August 10, 2016

THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING:

ADDENDA	DATE POSTED	DOCUMENT(S)	PAGE
NO.1		1. Status Certification for: Debarment, Eligibility, Indictments, Convictions or Civil Judgements	1
		2. Anti-Collusion Certificate	2
		4. DBE Affirmative Action Certification	3 - 9
		3. Disclosure of Lobbying Activities	

Total or gross sum of bid for Rhode Island Contract Number: 2016-CB-045

Federal-Aid Project Number(s): 405-421-758

Whoever, being an officer, agent, or employee of the United States, or of any State, or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the costs thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction of any highway or related project submitted for approval to the Secretary of Transportation; or Whoever, knowingly makes any false statement, false representation, false report, or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or Whoever, knowingly makes any false statement or false representation as to a material fact in any statement, certificate, or report submitted pursuant to the provisions of the Federal-aid Road Act approved July 11, 1916 (39 Stat. 355), as amended and supplemented, Shall be fined not more than \$10,000 or imprisoned not more than five years, or both. By signing here the signee agrees that the disk submitted is the same as the paper submitted and that any discrepancies may result in disqualification of the bid.

BEING EITHER A (INDIVIDUAL, PARTNERSHIP,
(OR CORPORATION INCORPORATED)
(UNDER THE LAWS OF ANY STATE)
(IN THE UNITED STATES OF AMERICA)

Contractor

COMPOSED OF OFFICERS, PARTNERS
OR OWNER, AS FOLLOWS.

President

Vice-President

Secretary

Treasurer

Address

CERTIFICATION SUMMARY: I hereby certify that I have read all of the above requirements and understand that it affects the acceptability of my bid(s).

Name of Signatore - Title

Date

CODE 108.1000

PROSECUTION AND PROGRESS

In accordance with Section 108.08, Failure to Complete on Time, Para. a., Phased Completion, Interim Completion and Substantial Completion, the following defines the Interim and Substantial Completion Dates and Associated Liquidated Damages:

Phase 1 Completion – Joints: **December 15, 2016**

Phase 1 Completion – All existing Joints shall be removed and will be replaced with temporary or permanent asphalt.

Liquidated Damages: **\$550.00 per calendar day.**

Substantial Completion: **September 20, 2017**

All Contract work shall be completed, as defined by Section 101.71.

Liquidated Damages: **\$1,500.00 per calendar day.**

CODE 824.9902
TEMPORARY JACKING OF BEAMS / GIRDERS – BRIDGE NO. 501

CODE 824.9903
TEMPORARY JACKING OF BEAMS / GIRDERS – BRIDGE NO. 510

CODE 824.9904
TEMPORARY JACKING OF BEAMS / GIRDERS – BRIDGE NO. 602

DESCRIPTION: The work under this item shall consist of furnishing hydraulic jacks and related materials and equipment for jacking individual beams and girders to allow for the repair of the concrete beam seats at locations shown on the Plans and/or as directed by the Engineer.

The Contractor shall utilize the existing shoring comprised of a single braced column founded on the abutment footing or timber cribbing placed on the existing ground below the bridge. The details of the existing shoring have been provided on the Plans.

Included in this item is the removal and disposal of the existing shoring and the restoration of the site to its original condition upon completion of the beam seat repairs.

MATERIALS:

Hydraulic Jacks and related equipment shall be rated for a minimum of 234 kips and be suitable for the intended jacking operations utilizing existing shoring. Prior to commencement of jacking, the Contractor shall submit to the Engineer the following:

1. A hydraulic schematic.
2. A jacking procedure.
3. A Proof Test Certificate for jacks, gauges, fittings, and all accessories.
4. A certificate verifying 2% accuracy of all gauges.
5. Catalog cut sheet for the jack.
6. A chart converting jack pressures to loads.

Steel shims shall meet the requirements of ASTM A709 Grade 36.

Neoprene pads shall be low temperature grade 3, suitable for exterior use and exposure to ultraviolet light, and shall have the following physical properties:

<u>Property</u>	<u>Value</u>	<u>Test Method</u>
Tensile Strength	2250 psi, min	ASTM D 412
Elongation, (Ultimate)	350% min	ASTM D 412

Compression Set (22 hr. @ 2120F)	35% max.	ASTM D 395B
Hardness (Shore A Durometer)	60± 5	ASTM D 2244

A certificate of compliance consistent with the Rhode Island Standard Specifications shall be furnished by the manufacturer to the Engineer for approval.

CONSTRUCTION METHODS: All work shall be performed in accordance with the Traffic-Related Work Restrictions indicated in the Maintenance and Protection of Traffic Plans and as noted in the contract.

The Contractor shall assure that no debris or any other foreign materials falls onto the ground or roadway beneath the structure. Should any debris fall to the ground or into the roadway despite this assurance, all work shall stop until such time as the debris has been recovered to the satisfaction of the Engineer, and a revised procedure of operation has been submitted by the Contractor to the Engineer for review and approval. Any damage or injury resulting from falling debris shall be the sole responsibility of the Contractor. Any delay caused as a result of cessation of work and approval of the revised procedure of operation shall not relieve the Contractor of any of his responsibilities under this Contract, including the timely completion of work. Any additional costs incurred as a result of debris falling shall be borne solely by the Contractor.

A qualified representative of the manufacturer of the jacks shall be present in the field to give the Contractor such technical site assistance as may be necessary to assure that the jacking is performed properly and safely.

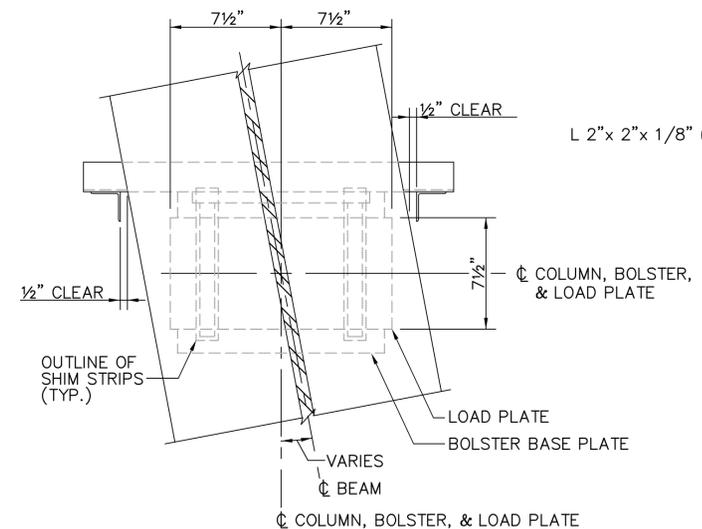
At no time shall the beam jacking be performed unless the Engineer is present. The Contractor shall provide a minimum of two working days advance notice to the Engineer, prior to the beam jacking.

In order to ensure that the structure is supported on the jack for the least possible amount of time, the Contractor shall have all materials, equipment, tools, spare parts, and labor on hand prior to commencing with the jacking operation and beam seat repairs.

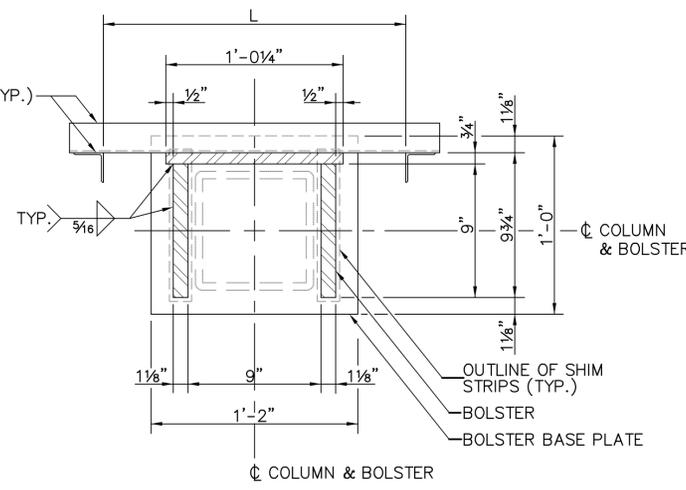
The Contractor shall place jack in existing bolster and engage load plate. Remove steel shims between load plate and bolster by grinding welds. Prior to jacking, insert new neoprene pad between load plate and bottom flange of beam. The Contractor shall then jack the structure only the height necessary to relieve the load from the bearing to accommodate the proposed work (beam seat repairs) but not to exceed 1/16 inch at the bearing.

The hydraulic system of the jack shall not be relied upon to sustain the jacking load once the lifting has been completed. Install new steel shims and weld to assure continuity between bolster and load plate.

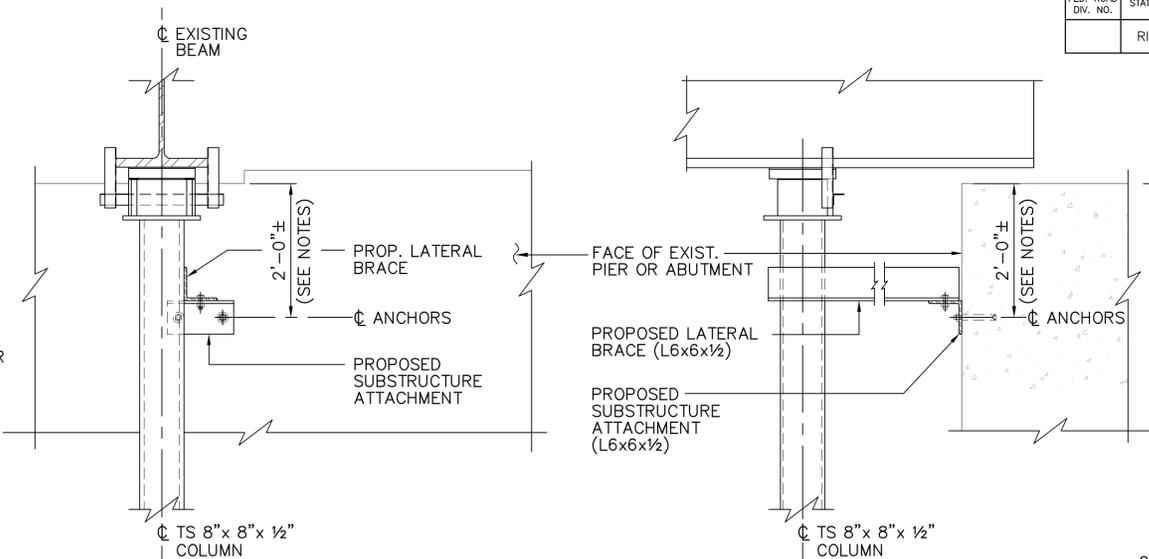
Upon completion of the beam seat repair and after the concrete has attained its 28-day strength, the jacking process described above shall be reversed. All jacking equipment and existing shoring and bracing shall be removed and the area restored to its original condition to the approval of the Engineer. Care shall be taken to minimize disturbance to



SECTION A-A



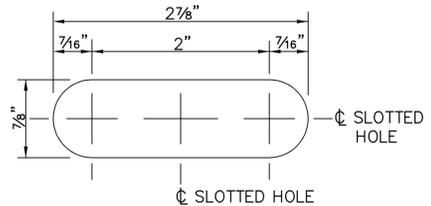
SECTION B-B



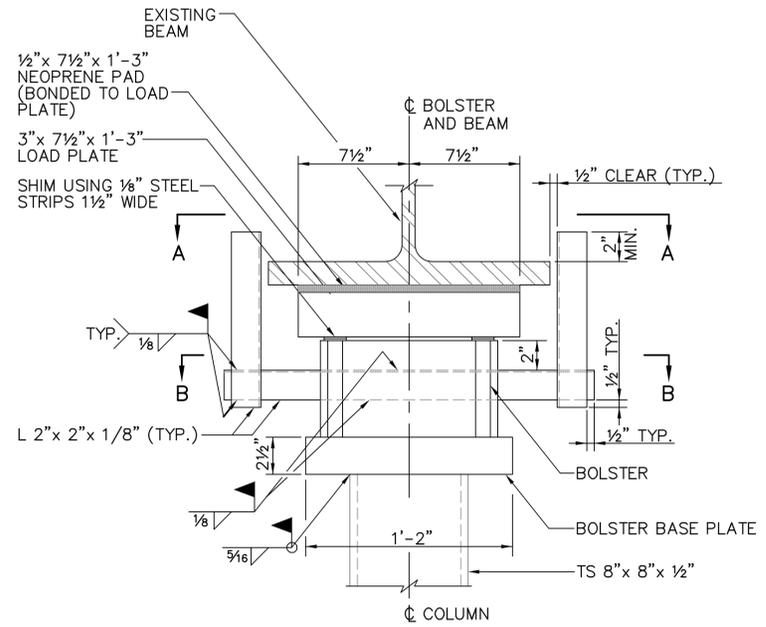
ELEVATION

SECTION

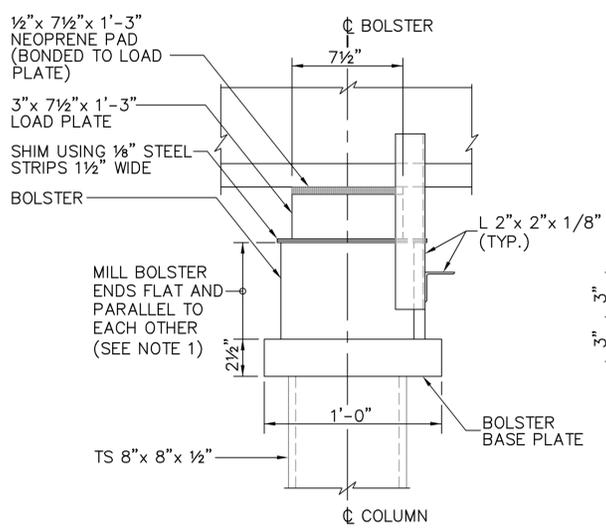
LATERAL BRACING DETAILS
SCALE: 3/4" = 1'-0"



SLOTTED HOLE DETAIL
FULL SCALE

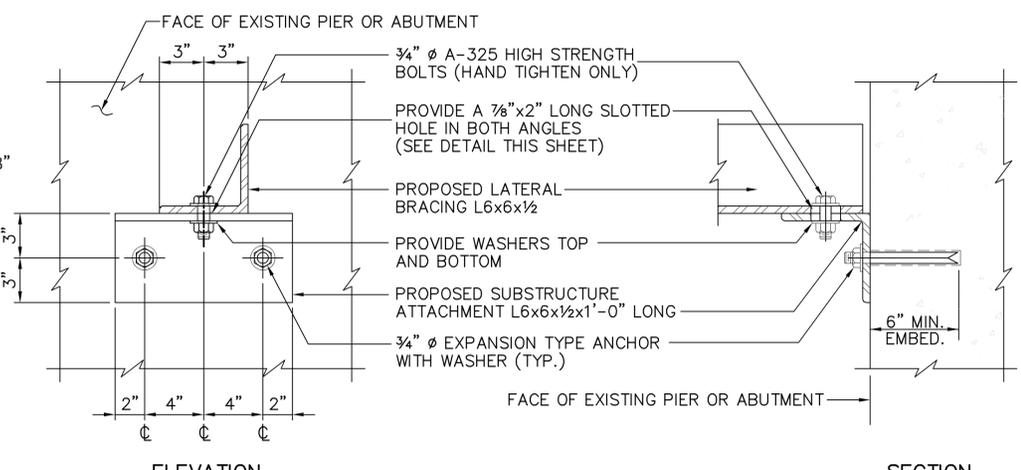


FRONT ELEVATION



SIDE ELEVATION

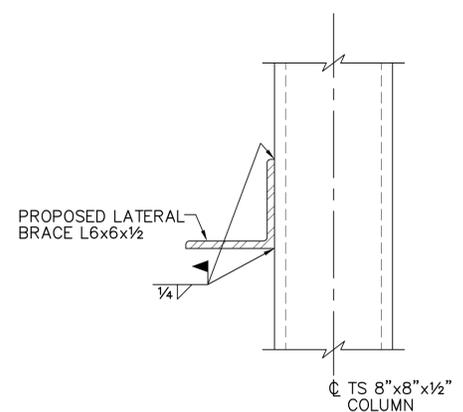
BOLSTER DETAIL
SCALE: 2" = 1'-0"



ELEVATION

SECTION

SUBSTRUCTURE ATTACHMENT
SCALE: 2" = 1'-0"



ELEVATION

COLUMN ATTACHMENT
SCALE: 2" = 1'-0"

BOLSTER DETAIL NOTES

1. MAXIMUM BOLSTER HEIGHT SHALL BE 12".
2. AFTER BOLSTER IS FULLY SHIMMED, BOLSTER AND SHIMS SHALL BE WELDED AS NECESSARY TO PROVIDE CONTINUITY BETWEEN LOAD PLATE AND BOLSTER (SEE SOCIAL PROVISION CODES 824.9905).
3. FOR GIRDERS WHERE THE SLOPE OF THE BOTTOM FLANGE IS GREATER THAN 1/8 INCH PER FOOT, THE NEOPRENE PAD SHALL BE TAPERED TO ACCOMMODATE THE SLOPE. THE MINIMUM THICKNESS SHALL REMAIN AT 1/2 INCH AT THE LOW END.
4. AT LOCATIONS WHERE THE BOTTOM FLANGE WIDTH IS LESS THAN THE WIDTH OF LOAD PLATE AND/OR WHERE THE GIRDER IS AT A HIGH SKEW, THE CONTRACTOR MAY ALTER THE 2"x 2"x 1/8" ANGLES AS REQUIRED TO FACILITATE THEIR INSTALLATION IN ORDER TO MAINTAIN 1/2" CLEAR DISTANCE FROM EDGE OF FLANGE.

LATERAL BRACING AND SUBSTRUCTURE ATTACHMENT NOTES:

1. LATERAL BRACING AND SUBSTRUCTURE ATTACHMENT ARE REQUIRED ONLY AT THOSE TEMPORARY SHORING LOCATIONS DESIGNATED TO REMAIN IN PLACE.
2. THE CONTRACTOR MAY RELOCATE THE SUBSTRUCTURE ATTACHMENT TO AN AREA APPROVED BY THE ENGINEER, WHERE MINIMAL CONCRETE DETERIORATION EXISTS.
3. THE CONTRACTOR SHALL NOT CUT OR DAMAGE EXISTING REINFORCEMENT DURING INSTALLATION OF EXPANSION ANCHORS. FIELD VERIFY LOCATION OF EXISTING REINFORCING PRIOR TO DRILLING BY NONDESTRUCTIVE MEANS, SUCH AS USING A PACHOMETER.
4. THE CONTRACTOR SHALL ALIGN 2" SLOTTED HOLES IN BOTH ANGLES PRIOR TO WELDING TO COLUMN; FIELD WELD THE PROPOSED LATERAL BRACE AFTER COLUMN IS ERECTED PLUMB AND STEEL SHIMS BETWEEN LOAD PLATE AND BOLSTER ARE WEDGED TIGHT AND WELDED.
5. THE CONTRACTOR SHALL PROVIDE SUITABLE MEANS FOR PREVENTING NUTS FROM LOOSENING (i.e. DOUBLE NUT, LOCK WASHERS, UPSET THREADS, ETC.). SUCH METHOD SHALL BE DETAILED IN THE SHOP DRAWING SUBMITTAL FOR THE TEMPORARY SHORING SYSTEM.

REVISIONS		
NO.	DATE	BY
1	8/10/16	WK

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

ROUTE 6 / ROUTE 10 INTERCHANGE
EMERGENCY BRIDGE REPAIR

BRIDGE Nos. 501, 504, 505, 506, 507, 509, 510, & 602
PROVIDENCE RHODE ISLAND

BRIDGE No. 510
TEMPORARY SHORING
DETAILS SHEET 2

CHECKED BY _____ DATE _____ SCALE AS SHOWN

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ItemCode	Description	Page
401.3100	MODIFIED CLASS 9.5 HMA	1
403.0300	ASPHALT EMULSION TACK COAT	1
414.0100	WARM MIX ADDITIVE	2
707.0900	ADJUST MANHOLES TO GRADE	2
707.1000	ADJUST SANITARY MANHOLE	2
707.1100	ADJUST CATCH BASINS	2
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	3
708.9042	CLEANING MANHOLES ALL TYPES AND SIZES	3
803.0400	CLEANING BRIDGE BEAM SEATS	3
803.9902	REMOVE & DISPOSE EXISTING TEMPORARY SHORING	4
803.9903	DECK UNDERSIDE SHIELDING	4
808.1675	POLYURETHANE ELASTOMERIC JOINT SEALANT	4
813.9901	HOT-POURED RUBBERIZED LIQUID ASPHALT WATERPROOFING MEMBRANE	5
817.9901	REPAIRS TO STRUCTURAL CONCRETE MASONRY (PATCHING MORTAR)	6
817.9902	REPAIRS TO STRUCTURAL CONCRETE MASONRY (FORM AND CAST IN PLACE)	6
817.9903	UNDERSIDE OF CONCRETE DECK REPAIRS	6
818.9901	CONCRETE DECK REPAIR AT JOINTS	7
821.1690	SAW & SEALING JOINTS IN BITUMINOUS CONCRETE PAVEMENT	7
823.9901	ASPHALTIC EXPANSION JOINT SYSTEM - EXPANSION	8
823.9902	CONCRETE HEADER WITH RAPID CURE SEALANT EXPANSION JOINT SYSTEM	9
824.9901	TEMPORARY JACKING AND SHORING OF GIRDERS - BRIDGE NO. 509	9
824.9902	TEMPORARY JACKING OF BEAMS/GIRDERS - BRIDGE NO. 501	9
824.9903	TEMPORARY JACKING OF BEAMS/GIRDERS - BRIDGE NO. 510	9
824.9904	TEMPORARY JACKING OF BEAMS/GIRDERS - BRIDGE NO. 602	9
824.9905	TEMPORARY STEEL SHORING	9
824.9910	STEEL BEAM/GIRDER REPAIRS - BRIDGE NO. 505	10
824.9911	STEEL BEAM/GIRDER REPAIRS - BRIDGE NO. 506	10
824.9912	STEEL BEAM/GIRDER REPAIRS - BRIDGE NO. 602	10
824.9930	TEMPORARY TRAFFIC PLATE - PROJECT WIDE	10
825.9920	REPAINTING EXISTING STRUCTURAL STEEL - BRIDGE NO. 506	10
825.9921	REPAINTING EXISTING STRUCTURAL STEEL - BRIDGE NO. 602	10
839.0100	PARTIAL-DEPTH REMOVAL AND DISPOSAL OF BITUMINOUS PAVEMENT FROM CONCRETE BRIDGE DECKS	11
839.0200	FULL DEPTH REMOVAL AND DISPOSAL OF BITUMINOUS PAVEMENT FROM CONCRETE BRIDGE DECKS	11
914.5010	FLAGPERSONS	12
914.5020	FLAGPERSONS - OVERTIME	12
916.0600	SHOCK ABSORBING BARRIER MODULES	12
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	12
923.0105	DRUM BARRICADE STANDARD 26.2.0	14
923.0125	PLASTIC PIPE TYPE III BARRICADE STANDARD 26.3.1	14
923.0200	FLUORESCENT TRAFFIC CONES STANDARD 26.1.0	15
924.0113	ADVANCE WARNING ARROW PANEL	15
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	15
926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	15
928.9901	TRUCK MOUNTED ATTENUATOR WITH TRUCK MOUNTED FLASHING ARROW BOARD	16
929.0110	FIELD OFFICE	16
931.0110	CLEANING AND SWEEPING PAVEMENT	16
932.0100	CUTTING AND MATCHING ASPHALT	17
932.0110	TRANSVERSE PAVEMENT CUT AND MATCH STANDARD 47.1.1	17

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ItemCode	Description	Page
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	17
936.0110	MOBILIZATION	17
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	18
T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	18
T20.0012	12 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	18
T20.0106	6 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	18
T20.1106	6 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS WHITE	19
T20.1112	12 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS WHITE	19
T20.1206	6 INCH TEMPORARY WATERBORNE PAINT PAVEMENT MARKINGS YELLOW	19
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	19
T20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	20
T20.2016	6 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	20

Distribution of Quantities

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
006	707.1100 Cont.	BRIDGE 602 - BRIDGE 501		20.00	0004	02
		10 X 2 ADJUSTMENTS				
		ROUTE 6 WB				
		BRIDGE 504 - BRIDGE 507		10.00	0004	02
		5 X 2 ADJUSTMENTS				
		BRIDGE 507 - BRIDGE 510		10.00	0004	02
		5 X 2 ADJUSTMENTS				
		BRIDGE 602 - BRIDGE 501		14.00	0004	02
		7 X 2 ADJUSTMENTS				
Item 707.1100 Total:				80.00		
007	708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	EACH			
		ROUTE 6 EB				
		BRIDGE 504 - ROUTE 10 NB		13.00	0004	02
		BRIDGE 602 - BRIDGE 501		10.00	0004	02
		ROUTE 6 WB				
		BRIDGE 504 - BRIDGE 507		5.00	0004	02
		BRIDGE 507 - BRIDGE 510		5.00	0004	02
		BRIDGE 602 - BRIDGE 501		7.00	0004	02
Item 708.9041 Total:				40.00		
008	708.9042	CLEANING MANHOLES ALL TYPES AND SIZES	EACH			
		ROUTE 6 EB				
		BRIDGE 504 - ROUTE 10 NB		6.00	0004	02
Item 708.9042 Total:				6.00		
009	803.0400	CLEANING BRIDGE BEAM SEATS	EACH			
		BRIDGE NO. 501				
		BRIDGE NO. 501		4.00	0014	01
		BRIDGE NO. 509				
		BRIDGE NO. 509		6.00	0014	01

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FAP Nos: 405-421-758

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
009	803.0400	Cont.				
		BRIDGE NO. 510				
		BRIDGE NO. 510		2.00	0014	01
		BRIDGE NO. 602				
		BRIDGE NO. 602		8.00	0014	01
Item 803.0400 Total:				20.00		
010	803.9902	REMOVE & DISPOSE EXISTING	EACH			
		TEMPORARY SHORING				
		BRIDGE NO. 501				
		BRIDGE NO. 501		1.00	0014	01
		BRIDGE NO. 510				
		BRIDGE NO. 510		1.00	0014	01
		BRIDGE NO. 602				
		BRIDGE NO. 602		1.00	0014	01
Item 803.9902 Total:				3.00		
011	803.9903	DECK UNDERSIDE SHIELDING	SF			
		BRIDGE NO. 501				
		BRIDGE NO. 501		2,000.00	0014	01
Item 803.9903 Total:				2,000.00		
012	808.1675	POLYURETHANE ELASTOMERIC JOINT	CI			
		SEALANT				
		BRIDGE NO. 501				
		ABUTMENT #1 & ABUTMENT #2		1,010.00	0014	01
		ABUTMENT #3 & ABUTMENT # 4		1,230.00	0014	01
		BRIDGE NO. 504				
		ABUTMENT B		90.00	0014	01
		ABUTMENT E		120.00	0014	01
		PIER 1		180.00	0014	01
		PIER 11		130.00	0014	01
		PIER 13		130.00	0014	01
		PIER 16		130.00	0014	01