May 21, 2019

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION DEPARTMENT OF ADMINISTRATION DIVISION OF PURCHASES BID NO. 7598779

RHODE ISLAND DEPARTMENT OF TRANSPORTATION RHODE ISLAND CONTRACT NO. 2018-CB-088 FEDERAL-AID PROJECT NO. FAP NO. BRO-0760(003) BRIDGE GROUP 58A – DIVISION STREET STA 44+48.20 TO STA 55+77.12 TOWN OF EAST GREENWICH COUNTY OF KENT

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 3 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. Other Item Changes

- 1. 202.0700 COMMON BORROW Quantity has been updated to 4865 CY.
- 2. 824.0424 STRUCTURAL STEEL Quantity has been updated to 575,000 lbs.

B. Drawings/Plans - Change/Addition

1. Sheet 42

Delete Sheet 42 in its entirety and replace it with Sheet No. 42 (Rev No. 1) attached to this Addendum No. 3.

2. Sheet 43

Delete Sheet 43 in its entirety and replace it with Sheet No. 43 (Rev No. 1) attached to this Addendum No. 3.

3. Sheet 68

Delete Sheet 68 in its entirety and replace it with Sheet No. 68 (Rev No. 1) attached to this Addendum No. 3.

4. Sheet 74

Delete Sheet 74 in its entirety and replace it with Sheet No. 74 (Rev No. 1) attached to this Addendum No. 3.

5. Sheet 94

Delete Sheet 94 in its entirety and replace it with Sheet No. 94 (Rev No. 1) attached to this Addendum No. 3.

6. Sheet 99

Delete Sheet 99 in its entirety and replace it with Sheet No. 99 (Rev No. 1) attached to this Addendum No. 3.

C. <u>General Provisions – Contract Specific</u>

1. Appendix A

Delete page 15 Rev. No. 1 in its entirety and replace them with page 15 (Rev. No. 2) attached to this Addendum No. 3.

2. Appendix A – Attachment 1

Delete Traffic-Related Work Restrictions/General Restrictions Rev01 (Attachment 1) in its entirety and replace with Traffic-Related Work Restrictions/General Restrictions Rev02 (Attachment 1) attached to this Addendum No. 3.

D. General Provisions – Job Specific

1. Index

Remove pages JS-I through JS-iii and replace with JS-I (Rev No. 1), JS-ii (Rev No.1) and JS-iii (Rev No. 1) attached to this Addendum No. 3.

- 2. 104.16 VALUE ENGINEERING CHANGE PROPOSAL Add pages JS-2A, JS-2B, JS-2C attached to this Addendum No. 3.
- 827.99XX HOT-DIP GALVANIZING AND FACTORY-APPLIED COLOR FINISH Delete pages 70-75 in their entirety.
- 4. T17.9901 OVERHEAD SIGN STRUCTURE 81' TO 85' SPAN STEEL Remove pages 146-149 in their entirety.

E. Distribution of Quantities

1. Index

Delete pages 1 through 4 Rev No. 1 in their entirety and replace them with pages 1 (Rev No.2) through page 4 (Rev No. 2) attached to this Addendum No. 3.

2. 202.0700 – COMMON BORROW

Remove page 5 (R-1) in its entirety and replace it with page 5 (R-2) and add Page 5a attached to this Addendum No. 3.

3. 824.0424 – AASHTO M270 GRADE 50 STEEL FURNISH FAB. & ERECT BUILT UP CONTINUOUS SPANS

Remove page 24 in its entirety and replace it with page 24 (R-1) attached to this Addendum No. 3.

RY Department of Transportation Administrator, Division of Project Management



/- T7A & T7B WL 222-23X 6W 6SS SKIP ______ 12' _____ -(6W] 12' ROUTE 4 SB - 6W - 6Y - STA 426+46.50 1 RIM 28.76' LT. STA 428+85.73 20.22' LT. 7<u>7</u>22 ✓ ROUTE 4 RECORD ₽ 428+00 427+00 ____ — STA 427+76.78 18.62' RT. - GW -12' 6W ROUTE 4 NB - - - - - -IA - 40.5.0



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				FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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100 HIGH STREET, BOSTON, MA 021 TEL: (617)946–9400 FAX: (617)946–97	10 77		CHECKED BY	KPD	DAT	E <u>02/17/17</u>	SCALE .	1"=2	0'

0156D_V1_040-041_RT 4 STAGE 3 TEMP GENERAL PLANS

		FED. ROAD DIV. NO. STATE FEDERAL AID FISCAL SHEET TOTAL PROJECT NO. YEAR NO. SHEETS
GENERAL NOTES	5. FOUNDATION DESIGN DATA	1 RI BR0-0760(003) 2018 68 134
1. ALL CONSTRUCTION INDICATED ON THESE PLANS SHALL BE IN ACCORDANCE WITH:	SPREAD FOOTINGS:	
 THE 2013 EDITION OF AND SUPPLEMENTS TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (RI STANDARD SPECIFICATIONS). 	THE FACTORED BEARING RESISTANCE FOR THE VARIOUS TYPES OF BEARING MATERIAL ARE AS FOLLOWS:	3. ALL PORTLAND CEMENT CONCRETE SHALL BE AIR-ENTRAINED.
 THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, 3RD EDITION, 2010, INCLUDING THE 2016 INTERIM REVISIONS. 	FACTORED BEARING RESISTANCE (KSF)	4. EXCEPT FOR FOOTINGS CAST BELOW GRADE AND TEMPORARY ELEMENTS, ALL REINFORCING STEEL SHALL BE GALVANIZED. ALL WIRE TIES AND MISCELLANEOUS HARDWARE USED FOR PLACEMENT OF GALVANIZED REINFORCING SHALL ALSO BE GALVANIZED. GALVANIZED COATING FOR REINFORCING STEEL SHALL BE IN
THE SPECIFICATIONS ACCOMPANYING THESE PLANS.	LOCATION TYPE OF BEARING STRENGTH EXTREME	ACCORDANCE WITH SECTION 810 OF THE RIDOT STANDARD SPECIFICATION.
 DIMENSIONS, STATIONS, AND ELEVATIONS ARE SHOWN TO THE NEAREST ONE-HUNDREDTH OF A FOOT OR ONE-EIGHTH OF AN INCH, EXCEPT STRUCTURAL STEEL DIMENSIONS WHICH ARE TO THE NEAREST ONE-SIXTEENTH OF AN INCH. 	MATERIALLIMIT STATESPIER 1BEDROCK4070	 ALL CRITICAL LAP SPLICES SHALL BE AS SHOWN ON THE PLANS. ALL SPLICES NOT SHOWN ON THE PLANS SHALL BE LAPPED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR CLASS C LAP SPLICES.
3. ALL ELEVATIONS ARE REFERENCED TO THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD 88).	6. WIND LOADING DESIGN DATA	6. THE TOP BARS IN THE DECK SLABS SHALL BE SPLICED AT THE CENTER OF SPANS BETWEEN GIRDERS. THE
4. COORDINATES USED ON THESE PLANS ARE BASED ON THE STATEWIDE COORDINATE SYSTEM, THE NORTH AMERICAN DATUM OF 1983 (NAD 83).	THE WIND LOADING DESIGN SHALL BE IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL, AND AS MODIFIED HEREIN.	BOTTOM BARS SHALL BE SPLICED OVER THE GIRDERS. 7. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL MAIN REINFORCING BARS SHALL HAVE THE FOLLOWING
5. TOPOGRAPHIC CONDITIONS WERE OBTAINED FROM AERIAL PHOTOGRAMMETRY. ACCURACY OF VERTICAL	 EXCEPT DURING CONSTRUCTION, THE DESIGN WIND PRESSURE IS BASED ON A DESIGN WIND SPEED OF 110 MPH. 	MINIMUM COVER:
TOPOGRAPHY IS WITHIN ONE-HALF OF A FOOT.	 THE DESIGN WIND PRESSURES DURING CONSTRUCTION SHALL BE AS SPECIFIED UNDER THE NOTES TITLED "GENERAL NOTES REGARDING TEMPORARY CONSTRUCTION CONDITIONS". 	CONCRETE CAST AGAINST OR PERMANENTLY 3"
7 ANGLES ARE SHOWN TO THE NEAREST SECOND	7. TRAFFIC DATA	AND WALL FACES, BACKWALLS)
 ANGLES ARE SHOWN TO THE NEAREST SECOND. 8. ALL WORKING POINTS ARE SHOWN AT THE CENTERLINES OF BEARINGS OF ABUTMENTS AND AT THE CENTERLINES 	THE BRIDGE REPLACEMENT WILL BE CONSTRUCTED IN TWO STAGES. TRAFFIC MANAGEMENT SHALL BE IN ACCORDANCE WITH THE APPROVED TRAFFIC MANAGEMENT PLAN.	DECK SLABS (EXPOSED DECKS) TOP 3" (+1/4", -0 BOTTOM 1.5" (+1/8", -0")
OF PIERS, UNLESS OTHERWISE NOTED.	ADT = 13,490 VEH/DAY (OR V.P.D) DHV = N/A PERCENT OF TRUCK TRAFFIC = 10%	ALL OTHER BARS 2"
9. ALL ABUTMENTS AND WALLS ARE DRAWN LOOKING AT THE EXPOSED FACES.	8. THERMAL DESIGN FORCE DATA	COVER TO TIES AND STIRRUPS MAY BE 0.5 INCH LESS THAN THE ABOVE VALUES SPECIFIED FOR MAIN
AVAILABLE INFORMATION. NO BUILDING SERVICE CONNECTIONS (ELECTRIC, TELEPHONE, GAS, WATER, SANITARY AND OTHERS) ARE SHOWN. THE CONTRACTOR IS TO ASSUME THAT SERVICES TO ALL BUILDINGS ARE PRESENT.	UNIFORM TEMPERATURE EFFECTS HAVE BEEN TAKEN INTO CONSIDERATION IN ACCORDANCE WITH THE PROCEDURE B OF THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS. THE MINIMUM DESIGN TEMPERATURE SHALL BE -10 DEGREES F, AND THE MAXIMUM TEMPERATURE SHALL BE 105 DEGREES F.	 8. ALL ANCHOR BOLTS SHALL BE ASTM DESIGNATION F1554 GRADE 105 UNLESS OTHERWISE NOTED, AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO DESIGNATION M 232. SWEDGED RODS SHALL BE
11. BOTH FEDERAL AND STATE LAW (RI. GENERAL LAW 39-1.2) REQUIRE NOTIFICATION OF APPROPRIATE UTILITY COMPANIES BEFORE DIGGING, TRENCHING, BLASTING, DEMOLISHING, BORING, BACK FILLING, GRADING, LANDSCAPING, OR OTHER EARTH MOVING OPERATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY	9. SEISMIC DESIGN DATA	AASHTO DESIGNATION M 270 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH AASHTO DESIGNATION M 232.
ALL UTILITY COMPANIES (INCLUDING THROUGH THE "DIG SAFE" PROGRAM) TO ENSURE THAT ALL UTILITIES, BOTH UNDERGROUND AND OVERHEAD, HAVE BEEN MARKED BEFORE COMMENCEMENT OF SUCH WORK. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE "DIG SAFE" PROGRAM. ANY	 THE SEISMIC ANALYSIS AND DESIGN SHALL BE IN ACCORDANCE WITH THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL. THE COMBINATION OF SEISMIC FORCE EFFECTS IS IN ACCORDANCE WITH THE RHODE ISLAND LRFD BRIDGE DESIGN 	 ALL ANCHOR BOLTS SHALL BE SET PRIOR TO PLACEMENT OF CONCRETE UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANIES, SHALL BE REPAIRED OR REPLACED (AS DEEMED APPROPRIATE BY THE STATE	MANUAL. THIS BRIDGE HAS BEEN CLASSIFIED AS CRITICAL. THE SITE HAS BEEN CLASSIFIED AS SITE CLASS A 	10. HORIZONTAL CONSTRUCTION JOINTS OTHER THAN THOSE SHOWN ON PLANS WILL NOT BE PERMITTED WITHOUT A WRITTEN REQUEST BY THE CONTRACTOR AND PRIOR AUTHORIZATION BY THE ENGINEER.
12 THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING A SAFE WORK AREA AND SHALL CONSTRUCT	 SCOUR AND LIQUEFACTION EFFECTS HAVE BEEN CONSIDERED IN THE SEISMIC ANALYSIS OF THE BRIDGE. 1,000 YEAR RETURN PERIOD SITE-SPECIFIC EARTHQUAKE. 	11. UNLESS OTHERWISE NOTED ON THE PLANS, ALL EXPOSED CONCRETE SURFACES VISIBLE IN ELEVATION TO ONE FOOT BELOW FINAL GROUND LINE (AND THE UNDERSIDE OF ALL CONCRETE DECK SLABS OUTSIDE OF
TEMPORARY FENCES AND GATES AS REQUIRED TO PREVENT ACCESS TO THE WORK AREA BY UNAUTHORIZED PERSONNEL SUCH WORKS ARE CONSIDERED INCIDENTAL TO THE OVERALL CONSTRUCTION COST AND WILL NOT	5% DAMAGING DESIGN SPECTRUM. $A_s = 0.0456$ $S_{re} = 0.0976$	THE FASCIA BEAMS), SHALL RECEIVE A CONCRETE SURFACE RUBBER FINISH IN ACCORDANCE WITH RI STANDARD SPECIFICATIONS.
DESIGN DATA	S _{D1} = 0.0272 MATERIALS	12. ALL EXPOSED EDGES AND REENTRANT CORNERS NOT OTHERWISE DETAILED ON THE PLANS SHALL HAVE A MINIMUM $\frac{3}{4}$ " CHAMFER.
	STRUCTURAL STEEL	13. ALL JOINT SEALANT SHALL BE SILICONE SEALANT AS DESIGNATED ON THE PLANS. THE COLOR OF THE
THE AASHTO LEED BRIDGE DESIGN SPECIFICATIONS 7TH EDITION 2014 INCLUDING ALL INTERIM REVISIONS TO	AASHTO DESIGNATION M 270. GRADE 36	JOINT SEALANT, WHERE EXPOSED, SHALL BE NEUTRAL (LIGHT GRAY OR TAN). THE COLOR OF THE SEALANT, WHERE NOT EXPOSED, WILL BE AT THE DISCRETION OF THE CONTRACTOR.
 2016. THE RHODE ISLAND I RED BRIDGE DESIGN MANUAL 2007. 	AASHTO DESIGNATION M 270, GRADE 50	14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING CONCRETE STAINS OR DISCOLORATIONS
 ALL OTHER APPLICABLE DESIGN SPECIFICATIONS ARE REFERENCED IN SECTION 1 OF THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL DATED 2007. THE 2016 REVISION OF AND SUPPLEMENTS TO THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION. 	AASHTO DESIGNATION M 31, GRADE 60	CONCRETE STAINS OR DISCOLORATIONS OCCURRING PRIOR TO ACCEPTANCE OF THE SURFACES SHALL BE REMOVED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (RI STANDARD SPECIFICATIONS). IN CASE OF CONFLICT, THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL SHALL GOVERN. 	CONCRETE STRENGTHS:	15. UNLESS OTHERWISE NOTED ON THE PLANS, JOINT FILLER IS TO BE A PREFORMED, NON-EXPANSIVE, NON-EXTRUDING TYPE IN ACCORDANCE WITH SECTION M.02.11.1 OF THE RI STANDARD SPECIFICATIONS.
2. LOAD MODIFIERS	$\left(\begin{array}{c} \bullet \underline{\text{CLASS HP } \frac{3}{4}\text{"fc} = 5,000 \text{ PSI}}{\text{APLITMENT CAPS}}\right)$	16. EMBEDMENT LENGTHS FOR DRILLED AND GROUTED DOWELS SHALL BE IN ACCORDANCE WITH SECTION 819
THE LOAD MODIFIERS FOR THIS PROJECT ARE AS FOLLOWS:	- CROSS GIRDERS	OF THE RI STANDARD SPECIFICATIONS.
THE LOAD MODIFIER FOR DUCTILITY SHALL BE TAKEN AS 1.0 FOR ALL LIMIT STATES. THE LOAD MODIFIER FOR PEDUNDANCY SHALL BE TAKEN AS	- END DIAPHRAGMS	17. IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS, ALL METAL TIES, NON-METALLIC TIES OR ANCHORAGES WHICH ARE REQUIRED FOR CONCRETE FORMWORK SHALL BE SO CONSTRUCTED THAT THEY
 THE LOAD MODIFIER FOR REDUNDANCE SHALL BE TAKEN AS 1.05 FOR FRACTURE-CRITICAL MEMBERS UNDER STRENGTH LIMIT STATE. 1.00 FOR ALL OTHER MEMBERS AND LIMIT STATES 	- COLUMNS	CAN BE REMOVED TO AT LEAST ONE INCH BELOW THE EXPOSED SURFACE OF THE CONCRETE WITHOUT CAUSING DAMAGE TO THE CONCRETE SURFACE. SNAP TIES MAY BE USED ONLY IF APPROVED BY THE
 THE LOAD MODIFIER FOR OPERATIONAL IMPORTANCE SHALL BE TAKEN AS 1.00 FOR ALL LIMIT STATES. 	- MSE WALL PANELS	ENGINEER. IF THE CONTRACTOR PROPOSES TO USE THEM, A CATALOG CUT AND OTHER NECESSARY INFORMATION MUST BE SUBMITTED TO THE ENGINEER TO DEMONSTRATE THAT THE TIES WILL SNAP-OFF
3. LOAD FACTORS	• <u>CLASS XX $\frac{3}{4}$" f'c = 4,000 PSI • <u>CLASS XX $\frac{3}{4}$" f'c = 4,000 PSI - TEMPORARY PIER FOOTING</u></u>	FAR ENOUGH INTO THE CONCRETE TO ALLOW FOR PROPER PATCHING. SNAP TIES MUST PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FORMS. ALL CAVITIES SHALL BE FILLED WITH AN APPROVED CEMENT MORTAR MEETING THE REQUIREMENTS OF ASTM C 928.
AS MODIFIED IN THE RHODE ISLAND LRFD BRIDGE DESIGN MANUAL (SPECIFIED BELOW).	- BARRIERS - ROCK SOCKETS	
INE LOAD FACTOR FOR STRENGTH AND EXTREME EVENT SHALL BE TAKEN AS ZERO, 1.0 FOR SERVICE WITHOUT LIVE LOAD AND 0.5 AT SERVICE WITH LIVE LOAD. THE LOAD FACTOR FOR LIVELOAD FOR THE EXTREME EVENT FOUND FOR TAKEN AS ZERO.	$\left(\begin{array}{c} \bullet \\ \underline{OLASS \land A} \xrightarrow{74} 10 - 5,000 \text{ PSI} \\ - \text{ PIER FOOTING} \end{array}\right)$	
 THE LOAD FACTOR FOR LIVE LOAD FOR THE EXTREME EVENT I SHALL BE TAKEN AS ZERO. THE LOAD FACTOR FOR DEAD LOAD FOR THE EXTREME EVENT I AND EXTREME EVENT II SHALL BE TAKEN AS 1.0 THE LOAD FACTOR FOR SETTLEMENT FOR ALL LIMIT STATES SHALL BE TAKEN AS 1.0 	BRIDGE/STRUCTURAL SHOP DRAWING AND SUBMITTALS	
4. LIVE LOADS	SEE GENERAL PROVISIONS - CONTRACT SPECIFIC OF THE CONTRACT DOCUMENTS.	
THE DESIGN VEHICULAR LIVE LOAD SHALL BE THE HL-93 DESIGNATION ADJUSTED FOR DYNAMIC LOAD	CONCRETE NOTES	
ALLOWANCE AND MULTIPLE PRESENCE FACTOR. THE DESIGN PEDESTRIAN LIVE LOAD SHALL BE 75 PSF.	1. CLASSES OF CONCRETE SHALL BE HIGH PERFORMANCE CLASS HP AND CLASS XX, AS DESCRIBED IN THE RI STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS OF THE SPECIFICATIONS. REFER TO THE "MATERIAL"	EAST GREENWICH RHODE ISLAND
	NOTES FOR CLASSES OF CONCRETE SPECIFIED FOR VARIOUS COMPONENTS.	GENERAL NOTES
	2. THE CONTRACTOR MAY, AT THE APPROVAL OF THE ENGINEER, PROPOSE THE USE OF SELF-CONSOLIDATING CONCRETE FOR ANY CLASS OF CONCRETE ON THIS PROJECT. SECTION 606 "SELF CONSOLIDATING CONCRETE	

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- (SCC)", CONTAINS THE REQUIREMENTS FOR MODIFYING ALL CLASSES OF CONCRETE MIX DESIGN FOR SELF-CONSOLIDATING APPLICATIONS.

CONCRETE CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH (FOOTINGS, ABUTMENT AND WALL FACES, BACKWALLS)		3"
DECK SLABS (EXPOSED DECKS)	TOP BOTTOM	3" (+1/4", -0 1.5" (+1/8", -0

	F	REVISIONS		RHODE ISLAND					
	NO. DATE BY								
	1	5/19	RGN	DEPARTMENT OF TRANSPORTATION					
				BRIDGE REPLACEMENT					
				GROUP 58B - DIVISION STREET BRIDGE NO. 760					
				EAST GREENWICH RHODE ISLAND					
				GENERAL NOTES					
P PARSONS				(SHEET 1 OF 2)					
100 HIGH STREET, BOSTON, MA 02110 TEL: (617)946–9400 FAX: (617)946–9777				CHECKED BY <u>RGN</u> DATE <u>8/18</u> SCALE <u>N.T.S</u>					
				0156D_V1_063_GENNOTES01					



FED. ROAD	STATE	FEDERAL AID	FISCAL	SHEET	TOTAL
DIV. NO.		PROJECT NO.	YEAR	NO.	SHEETS
1	RI	BRO-0760(003)	2018	74	134

NOTES:

- 1. ELEVATIONS FROM RECORD PLANS HAVE BEEN ADJUSTED TO NAVD88.
- 2. EXISTING ABUTMENTS, WINGWALLS AND PIER, INCLUDING FOOTINGS, TO BE REMOVED IN THEIR ENTIRETY.
- 3. EXISTING WATER PIPE SHALL BE TESTED FOR ASBESTOS PRIOR TO ANY DEMOLITION ACTIVITIES.

	REVISIONS		S	RHODE ISLAND
	NO.	DATE	BY	
	1	5/19	RGN	DEPARTMENT OF TRANSPORTATION
				BRIDGE REPLACEMENT
				GROUP 58B - DIVISION STREET BRIDGE NO. 760
				EAST GREENWICH RHODE ISLAND
				EXISTING GENERAL PLAN
				AND ELEVATION
E PARSUNS				
100 HIGH STREET, BOSTON, MA 02110				
TEL: (617)946–9400 FAX: (617)946–9777				CHECKED BY <u>RGN</u> DATE <u>8/18</u> SCALE <u>AS NOTED</u>

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LE NAME: P:\RIDOT\645238 - CBIP Group 7 Bridges\Bridge760\CADD\STRUCTURE\0156D_V1_094_WESTABU _OT DATE: Tuesday, May 21, 2019 7:44:20 AM EVICE: HP Designjet 4020ps HPGL2.pc3 - CONC. LEVELING PAD - TOP OF GRADE (COMMON BORROW) 1

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BRO-0760(003)	2018	94	134

<u>NOTES:</u>

- 1. SEE SHEET 125 FOR CLOSURE POUR DETAILS.
- 2. BACKFILL ROCK SOCKETS WITH 4000 PSI CONCRETE.
- 3. INSTALL CORRUGATED PLASTIC PROTECTIVE SLEEVES AT LOCATION OF PILES PRIOR TO INSTALLATION OF MSE WALL BACKFILL TO THE BOTTOM OF ABUTMENT ELEVATION. ONCE WALL IS COMPLETE, INSTALL PILES. AFTER PILES ARE INSTALLED, FILL ANNULAR SPACE WITHIN SLEEVES AND PROCEED WITH CONSTRUCTION. PROPOSED PILE SLEEVES WILL BE FILLED WITH CLSM TYPE 2.
- 4. PROTECTIVE FENCE NOT SHOW FOR CLARITY.
- 5. SEE SHEET 101 FOR ABUTMENT CAP AND BACKWALL REINFORCING.

	F	REVISIONS		RHODE ISLAND					
	NO.	DATE	BY						
	1 5/19 RGN			DEPARTMENT OF TRANSPOR	FATION				
				BRIDGE REPLACEMENT	-				
				GROUP 58B - DIVISION STREET BRIDGE					
				EAST GREENWICH RHOD	E ISLAND				
				WEST ABUTMENT					
PARSONS				(011212013)					
100 HIGH STREET BOSTON MA 02110									
TEL: (617)946-9400 FAX: (617)946-9777				CHECKED BY RGN DATE 8/18 SCALE	AS NOTED				
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FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BR0-0760(003)	2018	99	134

NOTES:

- 1. SEE SHEET 125 FOR CLOSURE POUR DETAILS.
- 2. BACKFILL ROCK SOCKETS WITH 4000 PSI CONCRETE.
- 3. INSTALL CORRUGATED PLASTIC PROTECTIVE SLEEVES AT LOCATION OF PILES PRIOR TO INSTALLATION OF MSE WALL BACKFILL TO THE BOTTOM OF ABUTMENT ELEVATION. ONCE WALL IS COMPLETE, INSTALL PILES. AFTER PILES ARE INSTALLED, FILL ANNULAR SPACE WITHIN SLEEVES AND PROCEED WITH CONSTRUCTION. PROPOSED PILE SLEEVES TO BE FILLED WITH CLSM TYPE 2.
- 4. PROTECTIVE FENCE NOT SHOWN FOR CLARITY.
- 5. SEE SHEET 101 FOR ABUTMENT CAP AND BACKWALL REINFORCING.

	REVISIONS		RHODE ISI					
	NO.	DATE BY						
	1 5	5/19 RGN	DEPARTMENT OF TRANSPORTATI					
			BRIDGE REPLACEMENT					
			GROUP 58B - DIVISION STRE	EET BRIDGE NO. 760				
			EAST GREENWICH	RHODE ISLAND				
			EAST ABUTMENT					
PARSONS			(SHEET 2 OF 3)					
100 HIGH STREET BOSTON MA 02110								
TEL: (617)946-9400 FAX: (617)946-9777			CHECKED BY RGN DATE 8/	18 SCALE AS NOTED				
				0156D V1 094 EASTABUT02				

CHANGES TO TMP & CONTINGENCY PLANS

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Traffic Management Chief, the TMP Development and/or Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Traffic Management Chief, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Traffic Management Chief, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).



Project Specific Contingencies

Level 1 TMP PSE - Division Street Bridge No. 760.xls

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Addendum No. 3 Attachments

			MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2} NON - ABC PERIOD						
Location	Time o	of Day	SUN	MON	THES	Day of Week		EDI	SAT
Location	TIOIII	10	001	MON	TOLO	WED	mono	TM	UAI
	0:00	6:00	ALL	1L	1L	1L	1L	1L	ALL
Division Street (Boute 404)	6:00	9:00		ALL	ALL	ALL	ALL	ALL	ALL
Division Street (Route 401)	9:00	21.00	ALL	ALL-5	ALL-5	ALL-5	ALL-S	ALL-S	
	21:00	0:00	1L	1L	1L	1L	1L	ALL	ALL
	0.00	6.00	ALL-S	11	11	11	11	11	ALL-S
	6:00	9:00	1L	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S
Route 4	9:00	15:00	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S
	15:00	21:00	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S	ALL-S
	21:00	0:00	1L	1L	1L	1L	1L	ALL-S	ALL-S
ivision Street (Route 401) and	0:00	6:00	ALL	RR & FC	RR & FC	RR & FC	RR & FC	RR & FC	ALL
Route 4 Rolling Roadblock	6:00	23:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
and Full Closure	23:00	0:00	RR & FC	RR & FC	RR & FC	RR & FC	RR & FC	ALL	ALL
	<u>v v</u>	<u> </u>	<u> </u>	, , , ,	, , , ,			DETOUR	
Route 4 Temporary Closure	0:00	4:00	ALL	DETOUR	DETOUR	DETOUR	DETOUR	DETOUR	ALL
Route 4 Temporary Closure during Beam Erection	0:00 4:00	4:00 0:00	ALL ALL						ALL ALL
Route 4 Temporary Closure during Beam Erection	10:00 4:00	4:00 0:00		ALL	DETOUR ALL OF LANES & S	ALL ALL CHOULDERS	DETOUR ALL TO REMAIN C	ALL	ALL ALL FFIC ^{1,2,3}
Location	10:00 4:00	• 4:00 0:00	ALL ALL MINIMU		DETOUR ALL OF LANES & S TUES	ALL SHOULDERS ABC PERIOD Day of Week WED	THURS	DPEN TO TRA	ALL ALL FFIC ^{1,2,3}
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Coute 4 Temporary Closure during Beam Erection	0:00 4:00 Time c From 0:00	• 4:00 0:00 • f Day To 6:00	ALL ALL MINIMU SUN	MON	DETOUR ALL OF LANES & S TUES	ALL ALL SHOULDERS ABC PERIOD Day of Week WED	DETOUR ALL TO REMAIN C THURS	DELOOK ALL OPEN TO TRAI	ALL ALL FFIC ^{1,2,3} SAT DETOUR
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RR & FC Division Street (Route 401) and/or Route 4 NB and SB maybe closed temporarily. Maximum duration of each interval closure shall be 20 min. Only one closure per hour is permitted.

NOTES

- 1 The set-up and break-down of temporary traffic control devices within a traveled way or shoulder shall be construed as a closure of that traveled way or shoulder.
- 2 The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3 ABC Period extends from 9PM on the Friday of the slide weekend until 6:00AM on Monday morning for Division Street and until 9:00AM on Sunday for Route 4 NB and SB

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SECTION 104.16 VALUE ENGINEERING CHANGE PROPOSAL

The Contractor is encouraged to use ingenuity and experience to develop and offer any Value Engineering Change Proposal (VECP) to the State for alternative construction designs, methods, procedures, and other innovations that result in a lower total cost, improved quality, or both. It is the intent of this provision to share with the Contractor any direct cost savings as a result of VECP(s) generated by the Contractor and approved by the State. Any cost savings generated to the Contract as a result of a VECP shall be shared equally between the Contractor and the State. Bid prices shall not rely on the anticipated approval of any VECP(s) by the State. If a VECP is rejected, the Work shall be completed per the Contract requirements at the bid prices. VECP(s) shall only be submitted by the Contractor after the Contract is awarded.

If the State determines that the time for response indicated in the submittal under item 4e below is insufficient for review, the Contractor will be promptly notified. Based on the additional time needed by the State for review and the effect on the Contractor's schedule occasioned by the added time, the State will evaluate the need for a time adjustment to the Contract in accordance with 108.07.

The Contractor shall have no claim against the State for any delay to the Contract based on the failure to respond within the time indicated in item 3e or 4e below in the submittal if additional information is needed to complete the review.

1) **Submittal of VECP – General.** VECP(s) that will be considered are those contemplated

to produce a savings to the State without impairing essential functions and characteristics of the facility including but not limited to, service life, economy of operation, ease of maintenance, desired appearance, safety, and impacts to the traveling public or the environment during and after construction.

- 2) **Submittal of a Conceptual Proposal.** The Contractor may submit a conceptual proposal for preliminary evaluation for VECP(s) that require a significant amount of design or other development resources. The Engineer will evaluate the information provided and advise the Contractor if any conditions or parameters of the Conceptual Proposal are found to be grounds for rejection. Preliminary review of a Conceptual Proposal reduces the Contractor"s risk of subsequent rejection but does not commit the State to eventual approval of the full VECP. The following materials and information shall be submitted with each Conceptual Proposal:
 - a) A statement that the proposal is submitted as a Conceptual VECP
 - b) A general description of the difference between the existing Contract and the proposed change, and the advantages and disadvantages of each, including effects on cost, service life, economy of operation, ease of maintenance, desired appearance, safety, and impacts to the traveling public or the environment during and after construction.
 - c) A set of conceptual plans and description of the proposed changes to the Contract requirements.
 - d) An estimate of the anticipated cost savings.
 - e) When a response to the Conceptual VECP by the State is required.
 - f) Amount of time necessary to develop a Full VECP.

- g) Date by which a Contract Change Order must be executed to obtain the maximum benefit from the VECP.
- h) The effect the VECP will have on the completion dates in the Contract.
- 3) **Submittal of Full VECP.** The following materials and information shall be submitted with each Full VECP.
 - a) A statement that the proposal is submitted as a Full VECP.
 - b) A description of the difference between the existing Contract and the proposed change, and the comparative advantages and disadvantages of each including effects on service life, economy of operations, ease of maintenance, desired appearance, safety and impacts to the traveling public or the environment during and after construction.
 - c) A complete set of plans and specifications showing the proposed revisions relative to the original Contract features and requirements. The State requires a RI Professional Engineer's stamp and signature on any Engineering changes.
 - d) A complete cost analysis indicating the final estimated costs and quantities to be replaced, compared to the new costs and quantities generated by the VECP, and the cost effects of the proposed changes on operational, maintenance, and other considerations.
 - e) A statement specifying the date by which a Change Order adopting the VECP must be executed so as to obtain the maximum cost reduction during the remainder of the Contract.
 - f) A proposed revised project schedule illustrating the impacts of the VECP on the Contract completion date(s) and any other milestone dates.
 - g) A description of any previous use or testing of the VECP and the conditions and results therewith. If the VECP was previously submitted on another State project, indicate the date, Contract number, and the action taken by the State.
- 4) Conditions. VECP(s) will be considered only when all of the following conditions are met:
 a) VECP(s), approved or not approved by the State, apply only to the ongoing Contract(s) referenced in the Proposal and become the property of the State. The VECP(s) shall contain no restrictions imposed by the Contractor on their use or disclosure. The State has the right to use, duplicate, and disclose in whole or in part any data necessary for the utilization of the VECP. The State retains the right to utilize any accepted VECP or part thereof on any other or subsequent projects without any obligation to the Contractor.

This provision is not intended to deny rights provided by law with respect to patented materials or processes.

- b) If the State is already considering certain revisions to the Contract, or the Standard Specifications, or has approved certain changes in the Contract for general use which are subsequently incorporated in a VECP, the State will reject the VECP and require the Contractor to proceed without any obligation to the Contractor.
- c) The Contractor shall have no claim against the State for additional costs or delays resulting from the rejection of a VECP, including but not limited to development costs, loss of anticipated profits, increased material or labor costs.
- d) The State will determine if a VECP qualifies for consideration and evaluation. It may reject any VECP that requires excessive time or costs for review, evaluation, or investigations, or which is not consistent with the State's design policies and basic

design criteria for the Project.

- e) The Engineer will reject all or any portion of work performed under an approved VECP if unsatisfactory results are obtained. The Engineer will direct the removal of such rejected work and require construction to proceed under the original Contract requirements without reimbursement for any work performed or removal of that work under the VECP. Where modifications to the VECP are approved to adjust to field or other conditions, reimbursement will be limited to the total amount payable for the work at the Contract bid prices as if the work were constructed under the original Contract requirements. The rejection or limitation of reimbursement shall not constitute the basis of any claim against the State for delay or for any other costs.
- f) The VECP proposed work shall not contain experimental features but shall be proven features that have been used under similar or acceptable conditions on other projects or locations acceptable to the State.
- g) VECP(s) will not be considered if equivalent options are already provided in the Contract documents.
- h) The savings generated by the VECP must be sufficient to warrant review and processing.
- i) A VECP changing the type or thickness or both type and thickness of the pavement structure will not be considered. Also, any VECP that solely substitutes one material for another will not be considered.
- Additional information needed to evaluate VECP(s), shall be provided in a timely manner. Untimely submittals of additional information will result in rejection of the VECP. Where design changes are
- k) proposed, the additional information could include results of field investigations and surveys, design computations, and field change sheets.
- I) Approval or disapproval of a VECP on one Contract does not guarantee approval or disapproval on another Contract.
- m) Approval of the Conceptual VECP in no way obligates the State to approve the Full VECP.
- n) No work related to a VECP shall be performed under Force Account. Agreed prices must be determined for all pay items related to the VECP before it is approved.
- o) VECP(s) that only reduce or eliminate Contract pay items will not be considered.
- p) If the VECP creates a significant change as defined in 104.02 that would not have otherwise resulted, the Contractor has no entitlement for additional compensation as provided for in 104.02.
- 5) **Payment.** If the VECP is accepted and approved, the changes and payment will be authorized with a Change Order. Reimbursement will be made as follows:
 - a) The changes will be incorporated into the Contract by changes in quantities of unit bid items, or new agreed price items, as appropriate, under the Contract.

b) The cost of the revised work as determined from the changes will be paid directly. In addition, the State will pay the Contractor 50 percent of the savings to the State as reflected by the difference between the cost of the revised work and the cost of the related construction required by the original Contract computed at Contract bid prices.

- c) The cost for development, design, and implementation of the VECP are not eligible for reimbursement.
- d) The Contractor may submit VECP(s) for an approved Subcontractor. Subcontractors may not submit a VECP(s) except through the Contractor.
- e) VECP payments are for direct savings or costs. Indirect saving or costs (time, user costs, etc.) will not be included in payment calculations.

Project Name - Bridge Group 58A - Division St Estimate Name - Addendum No. 3 to Bridge 760 - Advertising R.I. Contract No. - 2018-CB-088 FAP Nos: BRO-0760-003

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/01.0618	REINFORCED CONCRETE PIPE M 1/U CLASS V 18 INCH	12
701.5812	** ITEM DELETED **	12
701.8112	12 INCH GATE VALVE AND BOX	10
701.9901	12" DUCIILE IRON WAIER PIPE - INSULAIED - IEMPORARY	12
701.9902	12" DUCIILE IRON WAIER PIPE - NON-INSULAIED - IEMPORARY	13
701.9903	12" DUCIILE IRON WAIER PIPE - INSULAIED - PROPOSED	13 12
701.9904	IZ DUCIILE IRON WAIER PIPE - NON-INSULAIED - PROPOSED	10
701 000C	ערצאני אין געשאני אראראטא אוראא פאט א הראינאני דאכשאנו געיידי ארארטאין ארארטאין אראיטאין אראיטאין אראיטאין	12
701 0007	TNGTALL O GAO MAIN ACROSS IEMPORARI UIILIII BRIDGE	12
702 0516		13 14
702.0310	FRAME AND CRATE, AIGH CAFACIII, SIANDARD 0.3.4 FRAME AND CRATE CTANDARD 6 2 $^{\circ}$	1 <u>4</u>
702.0317	FRAME AND CRATE, STANDARD 0.3.2	14
702 05/2	CONTRE ADDON CRONE SER CRANNA 7 2 7	1 <u>4</u>
702.0542	DRECAST MANHOLE 4' DIAMETER STANDARD 1.3.1	15
702.0704	CATCH BASIN TYPE 'F' SOHARE STANDARD 3.3.2	15
		

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702.0717	DOUBLE GRATE CATCH BASIN STANDARD 3.3.5	15
702.0722	SOLID BLOCK SHALLOW TYPE "F" SOUARE CATCH BASIN STANDARD	16
	3.5.0	
702.0725	SOLID BLOCK SHALLOW DOUBLE GRATE CATCH BASIN STANDARD	16
	3.5.2	
702.9901	MODIFIED PRECAST PERPENDICULAR DOUBLE GRATE CATCH BASIN 4'	16
	SQUARE	
706.9000	PLUG AND CAP PIPE ALL SIZES	16
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	16
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	17
709.0200	CONCRETE HEADWALLS FOR PIPE CULVERTS STANDARD 2.1.0	17
711.0110	3'' PAVED WATERWAY CLASS I-1 STANDARD 8.4.0	17
713.8300	ADJUST GAS GATE BOXES TO GRADE	17
802.9901	TEMPORARY UTILITY BRIDGE	17
803.0000	REMOVAL OF EXISTING BRIDGES	18
803.0500	TEMPORARY DECK UNDERSIDE AND SIDE PROTECTIVE SHIELDING	18
803.9901	REMOVAL OF TEMPORARY BRIDGE ELEMENTS	18
804.9901	STEEL H PILES, FURNISH AND PLACE 14IN 117 LB/FT	18
804.9902	CORRUGATED PLASTIC PROTECTIVE SLEEVES	18
804.9903	STEEL H PILES FURNISH AND PLACE 14 IN 117 LB/FT -	19
	TEMPORARY	
804.9905	PREBORING	19
805.4100	SOLDIER PILES DRIVE, STEEL	19
805.4400	TIMBER LAGGING - INSTALLED	19
805.9901	MSE WRAP FACE RETAINING WALL SYSTEM	19
805.9902	MSE WRAP FACE RETAINING WALL SYSTEM - TEMPORARY	20
805.9903	MSE WALLS PRECAST CONCRETE FACING	20
808.0322	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' END POSTS	20
808.0501	CONCRETE SUBSTRUCTURE CLASS XX 3/4" FOOTINGS	20
808.0505	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' WALL STEMS	21
808.0508	CONCRETE SUBSTRUCTURE CLASS XX 3/4'' APPROACH SLABS	21
808.0601	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' PIERS, COL, CAP	21
808.1501	CONCRETE SUPERSTRUCTURE CLASS HP 3/4'' BRIDGE DECKS	21
808.1502	CONCRETE SUPERSTRUCTURE CLASS HP 3/4'' BRIDGE SIDEWALKS	22
808.1503	CONCRETE SUPERSTRUCTURE CLASS HP 3/4'' PARAPETS	22
808.1640	PREFORMED POLYETHYLENE FOAM JOINT FILLER 1/2''	22
808.1642	PREFORMED POLYETHYLENE FOAM JOINT FILLER 1''	22
808.9901	CONCRETE SUPERSTRUCTURE CLASS HP 1/2" BRIDGE DECKS CLOSURE POURS	22
810.0200	STANDARD BARS GRADE 60	22
810.0210	GALVANIZED BAR REINFORCEMENT GRADE 60	23
814.0100	DIAMOND GRINDING OF CONCRETE BRIDGE DECKS	23
819.0800	DRILL AND GROUT REINFORCING DOWELS	23
820.0110	CONCRETE SURFACE TREATMENT (PROTECTIVE COATING)	23
823.1750	ASPHALTIC EXPANSION JOINT SYSTEM	23
824.0424	AASHTO M270 GRADE 50 STEEL FURNISH FAB. & ERECT BUILT UP	24
	CONTINUOUS SPANS	
824.0610	WELDED STUD SHEAR CONNECTORS 7/8 INCH DIAMETER	24
824.9901	AASHTO M270 GRADE 50 STEEL - TEMPORARY	24
824.9970	TEMPORARY TRAFFIC PLATES	24
828.9901	ELASTOMERIC BEARINGS LAMINATED - TYPE 1	24
828.9902	ELASTOMERIC BEARINGS LAMINATED - TYPE 2	25
828.9903	ELASTOMERIC BEARINGS LAMINATED - TYPE 3	25
828.9904	ELASTOMERIC BEARINGS LAMINATED - TYPE 4	25

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832.8050	BRIDGE MINIMUM CLEARANCE SIGNS	25
833.0400	GRANITE IDENTIFICATION TABLETS	25
834.0131	VERTICAL FACE GRANITE CURB STRAIGHT 7'' REVEAL	26
899.9901	BRIDGE SUPERSTRUCTURE SLIDE	26
901.0175	STEEL THRIE BEAM GUARDRAIL SINGLE FACE STANDARD 34.5.3	26
901.0190	GUARDRAIL STEEL BEAM ANCHORAGE APPROACH SECTION STANDARDS	26
	34.3.1 AND 34.3.3	
901.0191	GUARDRAIL STEEL BEAM ANCHORAGE TRAILING END SECTION	26
	STANDARD 34.3.4	
901.0193	GUARDRAIL STEEL BEAM SINGLE FACE STANDARD 34.2.0	27
901.0198	GUARDRAIL END TREATMENT, NON-ENERGY ABSORBING TERMINAL	27
901.0199	GUARDRAIL END TREATMENT, ENERGY ABSORBING TERMINAL	27
903.0206	CHAIN LINK FENCE 6' STD 31.2.0	27
903.9901	PROTECTIVE FENCE	28
906.0110	GRANITE CURB. OUARRY SPLIT STRAIGHT. STANDARD 7.3.0	28
906 0111	GRANITE CURB, QUIARRY SPLIT CIRCULAR, STANDARD 7 3 0	28
907 0100	WATER FOR DUST CONTROL	28
907 0200	CALCIIM CHLORIDE FOR DUST CONTROL (PROJECT WIDE)	29
909 3010	DRECAST MEDIAN BARRIER DOUBLE-FACED STANDARD 40 1 0	29
914 5010	FLACDERSONS	29
914 5020	FLACEPRONS _ OVERTIME	20
915 0100	$\frac{1}{2} \frac{1}{2} \frac{1}$	20
915.0100	TEGNINAI BOOND GRANILE SIANDARD 14.2.0	20
916 9901	IEMPORARI IMPACI AIIENDATION SISTEM	30
910.9902	THEACT ATTENDATION SISTEM	20
919.0101	101 213 הסגסחוד פייטאד ב-2 ב-4 1-5 מסגסחוד 2 0	30
920.0070	DUMPED SIGNE RIFRAP R-3, R-4, 4-5 SIANDARD 0.5.0 P devine P Q	21
920.0100	ELUTING FOR RIFRAF F5-Z STANDARD 0.5.0	J⊥ 21
920.0200	FILLER FABRIC FOR RIF-RAP	31 21
922.0100	IEMPORARI CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	31 30
923.0105	DRUM BARRICADE SIANDARD 20.2.0	32
923.0200	FLUORESCENI IRAFFIC CONES SIANDARD 20.1.0	34
925.0112 026 0121	FORTADLE CHANGEADLE MESSAGE SIGN	3 <u>4</u> 22
920.0121	CONTROL OF AND ADD 40 5 0	22
0.00 0140	CUNIRUL SIANDARD 40.5.0	22
920.0140	REFLECTIVE DELINEATORS FOR TEMPORARI CONCRETE BARRIERS	22
929.0110	FIELD OFFICE	22
931.0110	CLEANING AND SWEEPING PAVEMENI	33
932.0100	CUILING AND MAICHING ASPHALI DEMONING DITUMINOUS DAVEMENT DV MICDO MILLING	24
935.0400	REMOVING BITUMINOUS PAVEMENT BI MICRO MILLING	24
936.0100	MUBILIZATION AND DEMOBILIZATION	34 2F
937.0200	MAINIENANCE AND MOVEMENT TRAFFIC PROTECTION	35
939.0500	SIONE WALLS IN HISIORIC, SCENIC OR RURAL AREAS (FREE-	35
0.4.2 0.2.0.0	STANDING, DRY MASONRY)	25
943.0200	TRAINEE MAN-HOURS	35
LUI.UIU2	LOAM BORROW 4 INCHES DEEP	35
L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	35
L05.0505	EROSION CONTROL BLANKET	35
104.9901	FURNISH AND INSTALL 16AWG 3 CONDUCTOR CABLE	36
102.9901	FURNISH AND INSTALL HAND-HOLE (COMPOSITE TYPE)	36
т05.9902	30X30X16 METAL PULLBOX, OUTDOOR (WALL MOUNT TYPE)	36
moc 2020	COMMUNICATION/POWER	26
100.2020	Z IN. KIGID SIEEL CONDUII-OVEKHEAD	30

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Т07.1400	FURNISH AND INSTALL 400 WATT HIGH PRESSURE SODIUM	37
T08.0100	LIGHT STANDARD FOUNDATION WITH ANCHOR BOLTS STANDARD	37
T08.2041	ALUMINUM LIGHTING STD. 40 FT. W/ SINGLE DAVIT ARM EXTN. 10 FT. STANDARD 18.3.0	37
T11.9901	FURNISH AND INSTALL 80FT GALVANIZED STEEL CAMERA POLE WITH IP LOWERING DEVICE AND FOUNDATION	37
Т11.9902	FURNISH AND INSTALL 40FT WOOD SERVICE POLE STANDARD	38
T11.9903	TRAVEL TIME GUIDE SIGN	38
T12.9150	METER SOCKET W/MANUAL BY-PASS	38
T12.9901	FURNISH AND INSTALL POLE MOUNTED CAMERA CONTROL CABINET, ONE DOOR	38
T12.9902	TRAVEL TIME DISPLAY SYSTEM - TWO DESTINATION	38
T12.9903	TRAVEL TIME GUIDE SIGN WARRANTY AND SERVICE	38
T12.9904	FURNISH AND INSTALL HARDENED ETHERNET SWITCH WITH SFP FIBER OPTIC	39
	TRANSCEIVERS	
T13.1000	TRAFFIC DETECTORS-LOOP, STANDARD 19.6.0	39
T13.9901	WAVETRONIX SMARTSENSOR HD & ANCILLARY COMPONENTS	39
T15.0200	REMOVE AND RELOCATE DIRECTIONAL REGULATORY AND WARNING SIGN	39
T16.0100	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN PANELS EXTRUDED ALUMINUM	39
T17.0100	OVERHEAD SIGN PANELS	40
T17.0203	OVERHEAD SIGN STRUCTURE 26-30 FOOT CANTILEVER - STEEL	40
T17.0211	OVERHEAD SIGN STRUCTURE 66-70 FOOT SPAN - STEEL	40
T17.9901	** ITEM DELETED **	40
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	40
Т20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	41
Т20.2012	12 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	41
т20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	41
T20.2206	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS WHITE	42
T20.2306	6 INCH TEMPORARY EPOXY RESIN PAVEMENT MARKINGS YELLOW	42
201.0412	REMOVE AND DISPOSE MANHOLE	42
201.0623	REMOVE AND DISPOSE OVERHEAD SIGN STRUCTURE	42
202.0800	GRAVEL BORROW	43
702.9902	STORMWATER TREATMENT UNIT (JELLYFISH)	43
т16.0300	GROUND MOUNTED PRIMARY DIRECTIONAL SIGN POST-STEEL	43
	BREAKAWAY	

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
018	201.9903 Cont.	Item 201.9903 Total	:	200.00		
019	202.0100	EARTH EXCAVATION	CY			
		DIVISION ST PERMANENT				
		44+94.92 TO 48+84.92		4,560.00	0011	01
		DIVISION ST TEMPORARY				
		144+72.20 TO 148+9302		1,935.00	0011	01
		TEMP ROADWAY FILL REMOVAL		2,450.00	0011	01
		TEMP ROADWAY GRAVEL REMOVAL		1,685.00	0011	01
		INFILTRATION BASIN				
		BR 760		480.00	0011	01
		ROUTE 4 TEMPORARY				
		TEMP ROADWAY FILL REMOVAL		475.00	0011	01
		TEMP ROADWAY GRAVEL REMOVAL		510.00	0011	01
		Item 202.0100 Total	:	12,095.00	-	
020	202.0700	COMMON BORROW	CY			
		BRIDGE 760				
		MISC		348.00		
		PROP EAST ABUT		1,577.00		
		PROP EAST ABUTMENT		55.00	0011	01
		PROP EAST WINGWALL		130.00	0011	01
				210.00		
		PROP WEST ABUT		2,587.00		
		PROP WEST ABUTMENT		55.00	0011	01
		PROP WEST WINGWALL		655.00	0011	01
		TEMP AND PROP PIER		465.00	0011	01
		TEMP EAST ABUT		889.00		
		TEMP EAST ABUTMENT		60.00	0011	01
		TEMP WEST ABUT		1,925.00		
		TEMP WEST ABUTMENT		60.00	0011	01

DIVISION ST FINAL ROADWAY

FINAL FILL 90.00 0011 01

Distribution of Quantities

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Item	Item Code	Description	UM	Qty.	Pay	Seq.
No.					Code	No.
020	202.0700 Cont.	DIVISION ST TEMP ROADWAY				
		TEMP FILL		2,820.00	0011	01
		ROUTE 4 TEMPORARY				
		WIDENING		475.00	0011	01
		Item 202.0700	Total:	4,865.00	_	

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
094	823.1750 Cont.	50+99.34		83.50	0011	01
		Item 823.1750 Tot	al:	167.00	-	
095	824.0424	AASHTO M270 GRADE 50 STEEL FURNIS	H LBS			
		FAB. & ERECT BUILT UP CONTINUOUS				
		SPANS				
		BRIDGE 760				
		48+89.34 TO 50+99.34		575,000.00	0011	01
		Item 824.0424 Tot	al:	575,000.00	-	
096	824.0610	WELDED STUD SHEAR CONNECTORS 7/8	EACH			
		INCH DIAMETER				
		BRIDGE 760				
		48+89.34 TO 50+99.34		9,900.00	0011	01
		Item 824.0610 Tot	al:	9,900.00	_	
097	824.9901	AASHTO M270 GRADE 50 STEEL -	LS			
		TEMPORARY				
		BRIDGE 760				
		STEEL FOR TEMP PIER		1.00	0011	01
		Item 824.9901 Tot	al:	1.00	-	
098	824.9970	TEMPORARY TRAFFIC PLATES	LS			
		BRIDGE 760				
		BOTH ABUTMENTS		1.00	0011	01
		Item 824.9970 Tot	al:	1.00		
099	828.9901	ELASTOMERIC BEARINGS LAMINATED -	EACH			
		TYPE 1				
		BRIDGE 760				
		ABUTMENT SLIDE SHOES		10.00	0011	01
		Item 828.9901 Tot	al:	10.00	_	