

October 9, 2015

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. X 7549895

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2015-CB-030

FEDERAL-AID PROJECT NO. FAP Nos: BHO-0011(004)

Clarence L. Hussey Memorial Bridge No. 11

STA 0+08.31 TO STA 4+05.86

CITY/TOWN OF North Kingstown

COUNTY OF WASHINGTON

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. 810.0210 - GALVANIZED BAR REINFORCEMENT GRADE 60
Quantity Updated To "4650.00".
2. T05.0310 - PULL BOX ON STRUCTURE TYPE W STANDARD 18.6.3
Quest Item added.Quantity Updated To "4.00".

B. General Provisions - Job Specific

1. Section 108.03 Prosecution and Progress
Revised 108.03.d.3 to include Interim Completion Date 1
2. Section 108.11 Incentive and Disincentive
Revised allowable work hours for Traffic Pattern Changes.
3. Code 830.9901 - Rehabilitate Sidewalk Railings
Revised Shop Drawings and Submittals section to include welding procedures submittal.
4. 108.1000 - Prosecution and Progress
("Phase 1 Completion Date" in Quest) was added to Interim Completion Date 1.

C. General Provisions - Contract Specific

1. Notice to Contractor

Revised page CS-6 to require 90 days prior notification to RIDOT before initiation of restriction or closure of waterway.

D. Contract Dates

1. Phase 1 Completion Date

Phase 1 Completion Date "11/15/2016" added.

N/A

Federal Highway Administration
Division Administrator

David W. Froh

RI Department of Transportation
Chief Engineer

Table of Contents - Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

ItemCode	Description	Page
201.0401	REMOVE AND DISPOSE GRANITE CURB	1
201.0402	REMOVE AND DISPOSE CONCRETE CURB	1
201.0403	REMOVE AND DISPOSE SIDEWALKS	1
201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	1
201.0421	REMOVE AND DISPOSE BITUMINOUS CURB	1
201.0428	REMOVE AND DISPOSE FRAME AND GRATE OR FRAME AND COVER	1
202.0100	EARTH EXCAVATION	2
202.0800	GRAVEL BORROW	2
204.0100	TRIMMING AND FINE GRADING	2
206.0301	COMPOST FILTER SOCK	3
206.9902	TURBIDITY CONTROL CURTAIN	3
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	3
401.2000	CLASS 12.5 HMA	3
403.0300	ASPHALT EMULSION TACK COAT	3
410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES	4
702.0510	HEAVY-DUTY SQUARE FRAME AND ROUND COVER STANDARD 6.1.1	4
702.0540	GRANITE INLET STONE 5 FOOT STANDARD 7.3.5	4
707.1900	ADJUST FRAME & COVER TO GRADE	4
707.9901	REMOVE AND RESET UTILITY FRAME AND COVER	4
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	5
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	5
713.8268	ADJUST CURB STOP BOX TO GRADE	5
713.8269	ADJUST WATER GATE BOXES TO GRADE	5
713.8300	ADJUST GAS GATE BOXES TO GRADE	6
803.0300	PARTIAL REMOVAL AND DISPOSAL OF EXISTING CONCRETE MASONRY	6
803.9901	TEMPORARY DECK UNDERSIDE PROTECTIVE SHIELDING	6
803.9902	TEMPORARY PROTECTIVE SHIELDING	6
807.0350	POINTING & GROUTING MASONRY	6
807.9901	RESET STONE MASONRY	6
808.0321	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' WALL CAP	7
808.0324	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' BRIDGE SIDEWALK	7
810.0210	GALVANIZED BAR REINFORCEMENT GRADE 60	7
817.9901	REPAIRS TO CONCRETE MASONRY PATCHING MORTAR	7
817.9906	REPAIRS TO CONCRETE MASONRY FORM AND CAST IN PLACE	7
818.2010	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL)	8
818.2020	PORTLAND CEMENT CONCRETE DECK REPAIRS (PARTIAL DEPTH REMOVAL)	8
819.0800	DRILL AND GROUT REINFORCING DOWELS	8
820.9901	CONCRETE SURFACE TREATMENT (SILICATE PAINT)	8
823.9901	BRIDGE JOINT - FIXED	8
823.9902	PREFORMED NEOPRENE JOINT SEALER	9
824.9901	STRUCTURAL STEEL REPAIRS	9
824.9902	REMOVAL AND REPLACEMENT OF RIVETS	9
825.9901	COAL TAR PAINTING OF EXISTING STRUCTURAL STEEL	9
825.9903	PAINTING OF EXISTING AND NEW STEEL	9
826.9907	MANAGEMENT OF BIRD GUANO AND MIXED DEBRIS	10
829.9901	SIDEWALK DRAINS	10
830.9901	REHABILITATE SIDEWALK RAILINGS	10
833.9901	CERAMIC IDENTIFICATION TABLET	10
836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION	10
905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	10
905.0140	BITUMINOUS SIDEWALK STANDARD 43.2.0	11
906.0110	GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0	11
906.0116	GRANITE CURB, QUARRY SPLIT 2 FOOT CORNERS, STANDARD 7.3.4	11

Table of Contents - Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

ItemCode	Description	Page
906.0118	6' GRANITE TRANSITION CURB, QUARRY SPLIT SPECIAL TRANSITION STANDARD 7.3.2	11
907.0100	WATER FOR DUST CONTROL	12
914.5010	FLAGPERSONS	12
914.5020	FLAGPERSONS - OVERTIME	12
915.0200	HIGHWAY BOUNDS REINFORCED CONCRETE STANDARD 14.1.0	12
915.0240	REMOVE AND RESET HIGHWAY BOUNDS (ALL TYPES)	12
916.9901	NARROW CONDITION IMPACT ATTENUATOR	12
919.0101	TEST PITS	13
922.0100	TEMPORARY CONSTRUCTION SIGNS STANDARD 29.1.0 AND 27.1.1	13
923.0105	DRUM BARRICADE STANDARD 26.2.0	14
923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0	14
925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	14
926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0	15
926.0140	REFLECTIVE DELINEATORS FOR TEMPORARY CONCRETE BARRIERS	15
929.0110	FIELD OFFICE	15
932.0100	CUTTING AND MATCHING ASPHALT	15
932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	16
932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	16
932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	16
935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	16
936.0100	MOBILIZATION AND DEMOBILIZATION	17
937.0200	MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION	17
937.9901	MAINTENANCE OF PEDESTRIAN TRAFFIC	17
943.0200	TRAINEE MAN-HOURS	17
L01.0104	PLANTABLE SOIL 4 INCHES DEEP	17
L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	17
L11.0103	SHRUB PLANT PROTECTION DEVICE STANDARD 51.2.0	18
T02.9901	REMOVE AND DISPOSE EXISTING LIGHTING SYSTEM	18
T04.9901	10 AWG SINGLE CONDUCTOR CABLE 600V INSULATION	18
T05.0100	PRECAST TYPE A HANDHOLE STANDARD 18.2.0	19
T05.9901	JUNCTION BOX ON STRUCTURE - 6"X6"X6"	19
T05.9902	GFCI RECEPTACLE WITH IN USE COVER	19
T06.1020	2 IN. RIGID STEEL CONDUIT - UNDERGROUND	20
T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD	20
T06.5220	2 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND	20
T06.9901	3/4 INCH RIGID STEEL CONDUIT OVERHEAD	20
T06.9902	2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT	21
T07.9901	FURNISH AND INSTALL LED LIGHT FIXTURE	21
T09.1000	SERVICE PEDESTAL STANDARD 18.4.0	21
T15.9901	INSTALL INTERPRETIVE SIGN PANEL AND FRAME	21
T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT	21
T20.1000	REMOVE EXISTING PAVEMENT MARKINGS	21
T20.2006	6 INCH EPOXY RESIN PAVEMENT MARKINGS WHITE	22
T20.2014	4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW	22
T20.2046	EPOXY RESIN PAVEMENT MARKING - PEDESTRIAN SYMBOL	22
T20.2048	EPOXY RESIN PAVEMENT MARKING WORD "XING"	22
206.9903	PRE AND POST WATERWAY CONDITIONS SURVEY	22
T05.0310	PULL BOX ON STRUCTURE TYPE W STANDARD 18.6.3	23

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
001	201.0401	REMOVE AND DISPOSE GRANITE CURB	LF			
		ROUTE 1A				
		2+83.43 - 3+54.18 RT		71.00	0014	01
		CONTINGENCY		15.00	0014	01
Item 201.0401 Total:				86.00		
002	201.0402	REMOVE AND DISPOSE CONCRETE CURB	LF			
		ROUTE 1A				
		STA 3+70.00 - 4+07.00 LT		40.00	0014	01
Item 201.0402 Total:				40.00		
003	201.0403	REMOVE AND DISPOSE SIDEWALKS	SY			
		ROUTE 1A				
		0+54.54 - 0+65.11 RT		8.00	0014	01
		1+21.00 - 1+33.43 LT		8.00	0014	01
		2+83.43 - 3+47.96 RT		39.00	0014	01
		3+70.34 - 3+88.47 LT		13.00	0014	01
		3+79.51 - 3+87.39 RT		5.00	0014	01
		3+88.47 - 4+06.44 LT		13.00	0014	01
Item 201.0403 Total:				86.00		
004	201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	SY			
		ROUTE 1A				
		3+47.96 - 3+79.54 RT		15.00	0014	01
Item 201.0409 Total:				15.00		
005	201.0421	REMOVE AND DISPOSE BITUMINOUS CURB	LF			
		ROUTE 1A				
		3+70.34 - 4+01.36 RT		31.00	0014	01
Item 201.0421 Total:				31.00		
006	201.0428	REMOVE AND DISPOSE FRAME AND GRATE	EACH			

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
006	201.0428	Cont. OR FRAME AND COVER				
		ROUTE 1A				
		0+53 RT		1.00	0014	01
				Item 201.0428 Total:		1.00
007	202.0100	EARTH EXCAVATION	CY			
		ROUTE 1A				
		0+54.54 - 0+65.11 RT		2.00	0014	01
		1+21.00 - 1+33.43 LT		2.00	0014	01
		2+83.43 - 3+47.96 RT		9.00	0014	01
		3+47.96 - 3+79.54 RT		4.00	0014	01
		3+70.34 - 3+88.47 LT		3.00	0014	01
		3+79.51 - 3+87.39 RT		1.00	0014	01
		3+87.39 - 4+05.35 RT		3.00	0014	01
		3+88.47 - 4+06.74 LT		3.00	0014	01
				Item 202.0100 Total:		27.00
008	202.0800	GRAVEL BORROW	CY			
		ROUTE 1A				
		0+54.54 - 0+65.11 RT		3.00	0014	01
		1+21.00 - 1+33.43 LT		3.00	0014	01
		2+83.43 - 3+47.96 RT		11.00	0014	01
		3+47.96 - 3+79.51 RT		7.00	0014	01
		3+70.34 - 3+88.47 LT		4.00	0014	01
		3+79.51 - 3+87.39 RT		1.00	0014	01
		3+87.39 - 4+05.35 RT		4.00	0014	01
		3+88.47 - 4+06.44 LT		4.00	0014	01
				Item 202.0800 Total:		37.00
009	204.0100	TRIMMING AND FINE GRADING	SY			
		ROUTE 1A				
		0+54.54 - 0+65.11 RT		10.00	0014	01
		1+21.00 - 1+33.43 LT		8.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
009	204.0100	Cont.				
		2+83.41 - 4+05.38 RT		90.00	0014	01
		3+69.44 - 4+06.37 LT		32.00	0014	01
Item 204.0100 Total:				140.00		
010	206.0301	COMPOST FILTER SOCK	LF			
		ROUTE 1A				
		1+06 - 1+50 RT		49.00	0014	01
		1+08 - 1+52 LT		52.00	0014	01
		2+75 - 3+72 LT		100.00	0014	01
Item 206.0301 Total:				201.00		
S011	206.9902	TURBIDITY CONTROL CURTAIN	LF			
		ROUTE 1A				
		AS REQUIRED AROUND ON-WATER		300.00	0014	01
		WORK				
Item 206.9902 Total:				300.00		
012	212.2000	CLEANING AND MAINTENANCE OF	LS			
		EROSION CONTROLS				
		ROUTE 1A				
		0+08.31 - 4+05.86		1.00	0014	01
Item 212.2000 Total:				1.00		
013	401.2000	CLASS 12.5 HMA	TON			
		ROUTE 1A				
		0+08.31 - 1+61.24		65.00	0014	01
		2+45.24 - 4+05.86		66.00	0014	01
		3+47.96 - 3+79.51 RT		4.00	0014	01
Item 401.2000 Total:				135.00		
014	403.0300	ASPHALT EMULSION TACK COAT	SY			
		ROUTE 1A				
		0+08.31 - 1+61.24		498.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
014	403.0300	Cont. 2+45.24 - 4+05.86		512.00	0014	01
Item 403.0300 Total:				1,010.00		
015	410.1000	TEMPORARY PATCHING MATERIAL/TRENCHES ROUTE 1A 0+8.31 - 4+05.86	TON	15.00	0014	01
Item 410.1000 Total:				15.00		
016	702.0510	HEAVY-DUTY SQUARE FRAME AND ROUND COVER STANDARD 6.1.1 ROUTE 1A 0+49 RT	EACH	1.00	0014	01
Item 702.0510 Total:				1.00		
017	702.0540	GRANITE INLET STONE 5 FOOT STANDARD 7.3.5 ROUTE 1A 3+73 LT 3+81 RT	EACH	1.00 1.00	0014 0014	01 01
Item 702.0540 Total:				2.00		
018	707.1900	ADJUST FRAME & COVER TO GRADE ROUTE 1A 3+73 LT 3+81 RT	EACH	1.00 1.00	0014 0014	01 01
Item 707.1900 Total:				2.00		
019	707.9901	REMOVE AND RESET UTILITY FRAME AND COVER SIDEWALK UTILITY VAULTS 1+45.5 LT 1+45.5 RT	EACH	1.00 1.00	0014 0014	01 01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
019	707.9901 Cont.	2+61.1 LT		1.00	0014	01
		2+61.1 RT		1.00	0014	01
Item 707.9901 Total:				4.00		
020	708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	LF			
		ROUTE 1A				
		0+49 - 0+53 RT		6.00	0014	01
		0+53 - 0+72 RT/LT		44.00	0014	01
		0+54 - 1+50 RT		93.00	0014	01
		3+68 - 3+73 LT		19.00	0014	01
		3+73 - 3+81 RT/LT		38.00	0014	01
Item 708.9040 Total:				200.00		
021	708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	EACH			
		ROUTE 1A				
		0+53 RT		1.00	0014	01
		0+72 LT		1.00	0014	01
		3+73 LT		1.00	0014	01
		3+81 RT		1.00	0014	01
Item 708.9041 Total:				4.00		
022	713.8268	ADJUST CURB STOP BOX TO GRADE	EACH			
		ROUTE 1A				
		3+32.50 RT		1.00	0014	01
Item 713.8268 Total:				1.00		
023	713.8269	ADJUST WATER GATE BOXES TO GRADE	EACH			
		ROUTE 1A				
		0+62.89 RT		1.00	0014	01
		2+78.07 RT		1.00	0014	01
Item 713.8269 Total:				2.00		

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
024	713.8300	ADJUST GAS GATE BOXES TO GRADE	EACH			
		ROUTE 1A				
		0+85.88 LT		1.00	0014	01
		0+87.35 LT		1.00	0014	01
Item 713.8300 Total:				2.00		
025	803.0300	PARTIAL REMOVAL AND DISPOSAL OF EXISTING CONCRETE MASONRY	CY			
		BRIDGE NO. 11				
		DECK		1.00	0014	01
		EXIST. SIDEWALK & CURB		29.00	0014	01
		EXIST. WW. COPING		9.00	0014	01
Item 803.0300 Total:				38.00		
026	803.9901	TEMPORARY DECK UNDERSIDE PROTECTIVE SHIELDING	LS			
		BRIDGE 011				
		ALL		1.00	0014	01
Item 803.9901 Total:				1.00		
027	803.9902	TEMPORARY PROTECTIVE SHIELDING	LS			
		BRIDGE 011				
		ALL		1.00	0014	01
Item 803.9902 Total:				1.00		
028	807.0350	POINTING & GROUTING MASONRY	LF			
		BRIDGE NO. 11				
		ABUTMENTS		550.00	0014	01
		WINGWALLS		700.00	0014	01
Item 807.0350 Total:				1,250.00		
029	807.9901	RESET STONE MASONRY	SF			
		SOUTH ABUTMENT & SE WINGWALL				

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
029	807.9901 Cont.	SOUTH ABUT & SEWW		12.00	0014	01
				Item 807.9901 Total:	12.00	
030	808.0321	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' WALL CAP BRIDGE 011 WALL COPINGS	CY	9.00	0014	01
				Item 808.0321 Total:	9.00	
031	808.0324	CONCRETE SUBSTRUCTURE CLASS HP 3/4'' BRIDGE SIDEWALK BRIDGE 011 CURB AT WINGWALLS SIDEWALKS AT WINGWALLS	CY	6.40 22.60	0014 0014	01 01
				Item 808.0324 Total:	29.00	
032	810.0210	GALVANIZED BAR REINFORCEMENT GRADE 60 BRIDGE NO. 11 SIDEWALK RECONSTRUCTION THROUGHOUT BRIDGE BRIDGE NO. 11 SIDEWALK RECONSTRUCTION	LBS	4,650.00	0014 0014	01 01
				Item 810.0210 Total:	4,650.00	
033	817.9901	REPAIRS TO CONCRETE MASONRY PATCHING MORTAR BRIDGE NO. 11 REPAIRS SHOWN ON PLANS CONTINGENCY	SF	745.00 375.00	0014 0014	01 01
				Item 817.9901 Total:	1,120.00	
034	817.9906	REPAIRS TO CONCRETE MASONRY FORM	SF			

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
034	817.9906	Cont. AND CAST IN PLACE				
		BRIDGE NO. 11				
		REPAIRS SHOWN ON PLANS		315.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
034	817.9906 Cont.	CONTINGENCY		160.00	0014	01
				Item 817.9906 Total:	475.00	
035	818.2010	PORTLAND CEMENT CONCRETE DECK REPAIRS (FULL DEPTH REMOVAL) BRIDGE NO. 11 DECK & SIDEWALK	SF	65.00	0014	01
				Item 818.2010 Total:	65.00	
036	818.2020	PORTLAND CEMENT CONCRETE DECK REPAIRS (PARTIAL DEPTH REMOVAL) BRIDGE NO. 11 DECK & SIDEWALK	SF	260.00	0014	01
				Item 818.2020 Total:	260.00	
037	819.0800	DRILL AND GROUT REINFORCING DOWELS BRIDGE NO. 11 WINGWALL COPING	EACH	420.00	0014	01
				Item 819.0800 Total:	420.00	
S038	820.9901	CONCRETE SURFACE TREATMENT (SILICATE PAINT) EXPOSED CONCRETE SURFACE ABUTMENTS & WINGWALLS ARCH RIBS BARRIERS LIGHTING POLE SWAY BRACING	SF	3,650.00 3,000.00 1,110.00 140.00 400.00	0014	01
				Item 820.9901 Total:	8,300.00	
039	823.9901	BRIDGE JOINT - FIXED BRIDGE NO. 11 DECK	LF	52.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
039	823.9901	Cont.				
		Item 823.9901 Total:		52.00		
040	823.9902	PREFORMED NEOPRENE JOINT SEALER	LF			
		BRIDGE 011				
		EAST ARCH		85.00	0014	01
		WEST ARCH		85.00	0014	01
		Item 823.9902 Total:		170.00		
041	824.9901	STRUCTURAL STEEL REPAIRS	LBS			
		BRIDGE NO. 11				
		FLOOR BEAM BENT PLATE		150.00	0014	01
		FLOOR BEAM REPAIR SANDWICH		550.00	0014	01
		PLATES				
		Item 824.9901 Total:		700.00		
042	824.9902	REMOVAL AND REPLACEMENT OF RIVETS	EACH			
		BRIDGE 011 FLOOR BEAMS				
		CONTINGENCY		10.00	0014	01
		FLOOR BEAMS PER PLANS		41.00	0014	01
		Item 824.9902 Total:		51.00		
S043	825.9901	COAL TAR PAINTING OF EXISTING	SF			
		STRUCTURAL STEEL				
		BRIDGE NO. 11				
		EXISTING FLOOR BEAMS		1,650.00	0014	01
		HANGER ROD CASINGS		50.00	0014	01
		Item 825.9901 Total:		1,700.00		
S044	825.9903	PAINTING OF EXISTING AND NEW STEEL	LS			
		BRIDGE 011				
		ALL STEEL EXCEPT FB		1.00	0014	01
		Item 825.9903 Total:		1.00		

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
045	826.9907	MANAGEMENT OF BIRD GUANO AND MIXED DEBRIS	CF			
		BRIDGE 011				
		FLOOR BEAMS		15.00	0014	01
		TOP OF ARCH		5.00	0014	01
Item 826.9907 Total:				20.00		
046	829.9901	SIDEWALK DRAINS	EACH			
		BRIDGE NO. 11				
		SIDEWALK		8.00	0014	01
Item 829.9901 Total:				8.00		
047	830.9901	REHABILITATE SIDEWALK RAILINGS	LBS			
		BRIDGE NO. 11				
		BALL FITTINGS		250.00	0014	01
		CONNECTION PIPES		450.00	0014	01
		RAIL LATTICE		3,500.00	0014	01
Item 830.9901 Total:				4,200.00		
048	833.9901	CERAMIC IDENTIFICATION TABLET	EACH			
		WEST ARCH				
		NORTH END		1.00	0014	01
Item 833.9901 Total:				1.00		
049	836.0100	STRUCTURAL CONCRETE CRACK REPAIR BY EPOXY-RESIN BASE ADHESIVE INJECTION	LF			
		BRIDGE NO. 11				
		VARIES		60.00	0014	01
Item 836.0100 Total:				60.00		
050	905.0110	PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0	CY			

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
050	905.0110	Cont. ROUTE 1A				
		0+54.54 - 0+65.11 LT		2.50	0014	01
		1+21.00 - 1+33.43 LT		2.50	0014	01
		2+83.43 - 3+47.96 RT		5.00	0014	01
Item 905.0110 Total:				10.00		
051	905.0140	BITUMINOUS SIDEWALK STANDARD 43.2.0 TON				
		ROUTE 1A				
		3+70.34 - 4+05.86 LT		2.95	0014	01
		3+79.51 - 4+05.86 RT		5.05	0014	01
Item 905.0140 Total:				8.00		
052	906.0110	GRANITE CURB, QUARRY SPLIT	LF			
		STRAIGHT, STANDARD 7.3.0				
		ROUTE 1A				
		2+83.43 - 3+48.18 RT		65.00	0014	01
		3+70.45 - 4+05.86 LT		36.00	0014	01
		3+79.55 - 4+05.86 RT		27.00	0014	01
Item 906.0110 Total:				128.00		
053	906.0116	GRANITE CURB, QUARRY SPLIT 2 FOOT	EACH			
		CORNERS, STANDARD 7.3.4				
		ROUTE 1A				
		CONTINGENCY		1.00	0014	01
Item 906.0116 Total:				1.00		
054	906.0118	6' GRANITE TRANSITION CURB, QUARRY	EACH			
		SPLIT SPECIAL TRANSITION STANDARD				
		7.3.2				
		ROUTE 1A				
		3+48.18 - 3+54.18 RT		1.00	0014	01
		3+73.34 - 3+79.55 RT		1.00	0014	01
Item 906.0118 Total:				2.00		

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
055	907.0100	WATER FOR DUST CONTROL	MGAL			
		ROUTE 1A				
		0+08.31 - 4+05.86		2.00	0014	01
				Item 907.0100 Total:	2.00	
056	914.5010	FLAGPERSONS	MHRS			
		ROUTE 1A				
		0+00 - 4+10		260.00	0014	01
				Item 914.5010 Total:	260.00	
057	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		ROUTE 1A				
		0+00 - 4+10		40.00	0014	01
				Item 914.5020 Total:	40.00	
058	915.0200	HIGHWAY BOUNDS REINFORCED CONCRETE	EACH			
		STANDARD 14.1.0				
		ROUTE 1A				
		STA 2+82.19 RT		1.00	0014	01
		STA 3+00.48 RT		1.00	0014	01
				Item 915.0200 Total:	2.00	
059	915.0240	REMOVE AND RESET HIGHWAY BOUNDS	EACH			
		(ALL TYPES)				
		ROUTE 1A				
		1+03.59 RT		1.00	0014	01
				Item 915.0240 Total:	1.00	
S060	916.9901	NARROW CONDITION IMPACT ATTENUATOR	EACH			
		ROUTE 1A				
		1+27.00 LT		1.00	0014	01
		1+27.00 RT		1.00	0014	01
		2+74.00 LT		1.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
S060	916.9901	Cont. 2+74.00 RT		1.00	0014	01
Item 916.9901 Total:				4.00		
061	919.0101	TEST PITS	EACH			
		ROUTE 1A				
		0+08.31 - 4+05.86		4.00	0014	01
Item 919.0101 Total:				4.00		
S062	922.0100	TEMPORARY CONSTRUCTION SIGNS	SF			
		STANDARD 29.1.0 AND 27.1.1				
		ROUTE 1A				
		G20-2A		13.50	0014	01
		M3-1 NORTH DETOUR		8.00	0014	01
		M3-1 TRUCK DETOUR		6.00	0014	01
		M3-3 SOUTH DETOUR		14.00	0014	01
		M3-3 TRUCK DETOUR		10.00	0014	01
		M4-4 TRUCK DETOUR		16.00	0014	01
		M4-8 NORTH DETOUR		8.00	0014	01
		M4-8 SOUTH DETOUR		14.00	0014	01
		M4-8 TRUCK DETOUR		16.00	0014	01
		M4-8A NORTH DETOUR		3.00	0014	01
		M4-8A SOUTH DETOUR		3.00	0014	01
		M4-8A TRUCK DETOUR		6.00	0014	01
		M4-X NORTH DETOUR		36.00	0014	01
		M4-X SOUTH DETOUR		63.00	0014	01
		M4-X TRUCK DETOUR		72.00	0014	01
		M6-1L NORTH DETOUR		2.19	0014	01
		M6-1L SOUTH DETOUR		6.56	0014	01
		M6-1L TRUCK DETOUR		2.19	0014	01
		M6-1R NORTH DETOUR		6.56	0014	01
		M6-1R SOUTH DETOUR		4.38	0014	01
		M6-1R TRUCK DETOUR		4.38	0014	01
		M6-2R TRUCK DETOUR		2.19	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
S062	922.0100	Cont.				
		M6-3 SOUTH DETOUR		4.38	0014	01
		M6-3 TRUCK DETOUR		8.75	0014	01
		MISC		22.92	0014	01
		R11-2A		20.00	0014	01
		R9-11A		12.00	0014	01
		RI STD 27.1.1		18.00	0014	01
		W20-1A		27.00	0014	01
		W20-1B		45.00	0014	01
		W20-4		18.00	0014	01
		W20-7A		18.00	0014	01
		W21-5		9.00	0014	01
Item 922.0100 Total:				520.00		
063	923.0105	DRUM BARRICADE STANDARD 26.2.0	BDAY			
		ROUTE 1A				
		0+08.31 - 4+05.86		500.00	0014	01
Item 923.0105 Total:				500.00		
064	923.0120	PLASTIC PIPE BARRICADE STANDARD	EACH			
		26.3.0				
		ROUTE 1A				
		PHASE 1 & 2		4.00	0014	01
Item 923.0120 Total:				4.00		
065	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			
		ROUTE 1A				
		ANNAQUATUCKET ROAD @ FAIRWAY		320.00	0014	01
		DRIVE				
		BOSTON NECK ROAD (R.I. ROUTE		320.00	0014	01
		1A) @ FAIRWAY DRIVE				
		POST ROAD (U.S. ROUTE 1) @		320.00	0014	01
		WEST MAIN STREET (R.I. ROUTE				
		1A)				

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
065	925.0112 Cont.	TOWER HIL ROAD (U.S. ROUTE 1) @ TEN ROD ROAD/PHILLIPS STREET (R.I. ROUTE 102)		320.00	0014	01
		TOWER HILL ROAD (U.S. ROUTE 1) @ ANNAQUATUCKET ROAD		320.00	0014	01
Item 925.0112 Total:				1,600.00		
066	926.0121	UNANCHORED PRECAST CONCRETE BARRIER FOR TEMPORARY TRAFFIC CONTROL STANDARD 40.5.0 ROUTE 1A	LF			
		0+50 - 0+65		30.00	0014	01
		1+24 - 2+74 RT		150.00	0014	01
		1+25 - 3+75 LT		250.00	0014	01
		3+50 - 3+84		50.00	0014	01
Item 926.0121 Total:				480.00		
067	926.0140	REFLECTIVE DELINEATORS FOR TEMPORARY CONCRETE BARRIERS ROUTE 1A	EACH			
		0+50.00 - 3+84.00		15.00	0014	01
Item 926.0140 Total:				15.00		
068	929.0110	FIELD OFFICE ROUTE 1A ON SITE	PMO			
				23.00	0014	01
Item 929.0110 Total:				23.00		
069	932.0100	CUTTING AND MATCHING ASPHALT ROUTE 1A	LF			
		0+08.31		43.00	0014	01
		0+26.29 - 0+48.04 RT		21.00	0014	01
		1+61.24		27.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
069	932.0100	Cont.				
		2+45.24		27.00	0014	01
		4+05.86		32.00	0014	01
Item 932.0100 Total:				150.00		
070	932.0200	FULL-DEPTH SAWCUT OF BITUMINOUS PAVEMENT	LF			
		ROUTE 1A				
		0+54.54 - 0+65.11 RT		11.00	0014	01
		2+83.43 - 4+05.38 RT		122.00	0014	01
		3+70.36 - 4+06.37 LT		38.00	0014	01
Item 932.0200 Total:				171.00		
071	932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY	LF			
		ROUTE 1A				
		3+54.10 - 3+73.63 RT		22.00	0014	01
		4+05.83 LT		8.00	0014	01
Item 932.0220 Total:				30.00		
072	932.0230	FULL DEPTH SAWCUT OF PORTLAND CEMENT CONCRETE SIDEWALK/DRIVEWAY	LF			
		ROUTE 1A				
		0+46.00 RT		5.00	0014	01
		0+54.54 RT		7.00	0014	01
		0+65.11 RT		8.00	0014	01
		1+21.00 LT		5.00	0014	01
Item 932.0230 Total:				25.00		
073	935.0400	REMOVING BITUMINOUS PAVEMENT BY MICRO MILLING	SY			
		ROUTE 1A				
		0+08.31 - 1+61.24		497.00	0014	01
		2+45.24 - 4+05.86		513.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
073	935.0400	Cont.				
		Item 935.0400 Total:		1,010.00		
074	936.0100	MOBILIZATION AND DEMOBILIZATION	LS			
		ROUTE 1A				
		0+8.31 - 4+05.86		1.00	0014	01
		Item 936.0100 Total:		1.00		
075	937.0200	MAINTENANCE AND MOVEMENT TRAFFIC	LS			
		PROTECTION				
		ROUTE 1A				
		0+08.31 - 4+05.86		1.00	0014	01
		Item 937.0200 Total:		1.00		
076	937.9901	MAINTENANCE OF PEDESTRIAN TRAFFIC	LS			
		ROUTE 1A				
		1+00 - 4+20		1.00	0014	01
		Item 937.9901 Total:		1.00		
077	943.0200	TRAINEE MAN-HOURS	MHRS			
		ROUTE 1A				
		ROUTE 1A		1,500.00	0014	01
		Item 943.0200 Total:		1,500.00		
078	L01.0104	PLANTABLE SOIL 4 INCHES DEEP	SY			
		ROUTE 1A				
		0+47 - 1+33 RT		13.00	0014	01
		2+83 - 3+54 RT		11.00	0014	01
		3+74 - 4+05 RT		6.00	0014	01
		Item L01.0104 Total:		30.00		
S079	L02.0101	GENERAL HIGHWAY SEEDING (TYPE 1)	SY			
		ROUTE 1A				
		0+47 - 1+33 RT		13.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
S079	L02.0101 Cont.	2+83 - 3+54 RT		11.00	0014	01
		3+74 - 4+05 RT		6.00	0014	01
Item L02.0101 Total:				30.00		
080	L11.0103	SHRUB PLANT PROTECTION DEVICE	LF			
		STANDARD 51.2.0				
		ROUTE 1A				
		STA 3+70 - 4+05 LT		40.00	0014	01
Item L11.0103 Total:				40.00		
S081	T02.9901	REMOVE AND DISPOSE EXISTING	LS			
		LIGHTING SYSTEM				
		BRIDGE 011				
		ALL		1.00	0014	01
Item T02.9901 Total:				1.00		
S082	T04.9901	10 AWG SINGLE CONDUCTOR CABLE 600V	LF			
		INSULATION				
		ROUTE 1A				
		1+30 - 1+45 LT		60.00	0014	01
		1+44.56 LT		50.00	0014	01
		1+44.56 LT - 1+44.56 L T		16.00	0014	01
		1+44.56 LT - 1+44.56 RT		136.00	0014	01
		1+44.56 RT		50.00	0014	01
		1+45.81 LT - 1+56.77 LT		26.00	0014	01
		1+45.81 RT - 1+56.77 RT		26.00	0014	01
		1+45.81 RT - 1+81.44 RT		148.00	0014	01
		1+57.35 LT		30.00	0014	01
		1+57.35 RT		30.00	0014	01
		1+81.44 LT		30.00	0014	01
		1+81.44 RT		30.00	0014	01
		1+81.44 RT - 1+81.44 LT		66.00	0014	01
		1+81.44 RT - 2+23.30 RT		160.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
S082	T04.9901	Cont.				
		2+23.30 LT		30.00	0014	01
		2+23.30 RT		30.00	0014	01
		2+23.30 RT - 2+23.30 LT		66.00	0014	01
		2+24.30 RT - 2+60.16 RT		72.00	0014	01
		2+47.30 LT		30.00	0014	01
		2+47.30 RT		30.00	0014	01
		2+47.94 LT - 2+60.16 LT		26.00	0014	01
		2+47.94 RT - 2+60.16 RT		26.00	0014	01
		2+60.16 LT		20.00	0014	01
		2+60.16 RT		30.00	0014	01
		2+60.16 RT - 2+60.16 LT		66.00	0014	01
Item T04.9901 Total:				1,284.00		
S083	T05.0100	PRECAST TYPE A HANDHOLE STANDARD	EACH			
		18.2.0				
		ROUTE 1A				
		1+44.56 LT		1.00	0014	01
Item T05.0100 Total:				1.00		
S084	T05.9901	JUNCTION BOX ON STRUCTURE -	EACH			
		6"X6"X6"				
		ROUTE 1A				
		1+81.44 LT		1.00	0014	01
		1+81.44 RT		1.00	0014	01
		2+23.30 LT		1.00	0014	01
		2+23.30 RT		1.00	0014	01
Item T05.9901 Total:				4.00		
S085	T05.9902	GFCI RECEPTACLE WITH IN USE COVER	EACH			
		ROUTE 1A				
		1+81.44 LT		1.00	0014	01
		1+81.44 RT		1.00	0014	01
		2+23.30 LT		1.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S085	T05.9902	Cont. 2+23.30 RT		1.00	0014	01
				Item T05.9902 Total:		4.00
S086	T06.1020	2 IN. RIGID STEEL CONDUIT - UNDERGROUND ROUTE 1A 1+18.64	LF	25.00	0014	01
				Item T06.1020 Total:		25.00
S087	T06.2020	2 IN. RIGID STEEL CONDUIT-OVERHEAD ROUTE 1A 1+18.64 LT	LF	25.00	0014	01
				Item T06.2020 Total:		25.00
S088	T06.5220	2 INCH SCHEDULE 80 POLYVINYL CHLORIDE PLASTIC CONDUIT - UNDERGROUND ROUTE 1A 1+29.21 LT - 1+44.56 LT 1+44.56 LT - 1+44.56 LT	LF	14.00 4.00	0014 0014	01 01
				Item T06.5220 Total:		18.00
S089	T06.9901	3/4 INCH RIGID STEEL CONDUIT OVERHEAD ROUTE 1A 1+81.44 LT - GFI 1+81.44 RT 1+81.44 RT - GFI 2+23.30 LT - GFI 2+23.30 RT 2+23.30 RT - GFI	LF	14.00 29.00 14.00 14.00 29.00 14.00	0014 0014 0014 0014 0014 0014	01 01 01 01 01 01
				Item T06.9901 Total:		114.00

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

<u>Item No.</u>	<u>Item Code</u>	<u>Description</u>	<u>UM</u>	<u>Qty.</u>	<u>Pay Code</u>	<u>Seq. No.</u>
S090	T06.9902	2 INCH POLYVINYL CHLORIDE PLASTIC CONDUIT ROUTE 1A 01+18.64 LT	LF	25.00	0014	01
				Item T06.9902 Total:	25.00	
S091	T07.9901	FURNISH AND INSTALL LED LIGHT FIXTURE BRIDGE 011 FIXTURE AT ENDS OF ARCH	EACH	4.00	0014	01
				Item T07.9901 Total:	4.00	
S092	T09.1000	SERVICE PEDESTAL STANDARD 18.4.0 ROUTE 1A STA 1+29.21 LT	EACH	1.00	0014	01
				Item T09.1000 Total:	1.00	
S093	T15.9901	INSTALL INTERPRETIVE SIGN PANEL AND FRAME BRIDGE NO. 11 WINGWALL	LS	1.00	0014	01
				Item T15.9901 Total:	1.00	
S094	T20.0006	6 INCH WHITE FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT ROUTE 1A 1+17.00 - 2+87.00 LT 1+17.00 - 2+87.00 RT	LF	170.00 170.00	0014 0014	01 01
				Item T20.0006 Total:	340.00	
S095	T20.1000	REMOVE EXISTING PAVEMENT MARKINGS ROUTE 1A 1+17.00 - 2+87.00 LT	LF	170.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11

Estimate Name - Addendum 3

R.I. Contract No. - 2015-CB-030

FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S095	T20.1000	Cont.				
		1+17.00 - 2+87.00 RT		170.00	0014	01
				Item T20.1000 Total:	340.00	
S096	T20.2006	6 INCH EPOXY RESIN PAVEMENT	LF			
		MARKINGS WHITE				
		ROUTE 1A				
		0+13.20 - 4+05.86 RT		395.00	0014	01
		0+66.48 - 4+05.86 LT		340.00	0014	01
				Item T20.2006 Total:	735.00	
S097	T20.2014	4 INCH EPOXY RESIN PAVEMENT	LF			
		MARKINGS YELLOW				
		ROUTE 1A				
		0+08.23 - 4+05.86 LT		398.00	0014	01
		0+08.23 - 4+05.86 RT		398.00	0014	01
				Item T20.2014 Total:	796.00	
S098	T20.2046	EPOXY RESIN PAVEMENT MARKING -	EACH			
		PEDESTRIAN SYMBOL				
		ROUTE 1A				
		0+60 LT		1.00	0014	01
				Item T20.2046 Total:	1.00	
S099	T20.2048	EPOXY RESIN PAVEMENT MARKING WORD	EACH			
		"XING"				
		ROUTE 1A				
		0+15 LT		1.00	0014	01
				Item T20.2048 Total:	1.00	
100	206.9903	PRE AND POST WATERWAY CONDITIONS	LS			
		SURVEY				
		BRIDGE 011				
		ALL		1.00	0014	01

Distribution of Quantities

Project Name - Clarence L. Hussey Memorial Bridge No. 11
 Estimate Name - Addendum 3
 R.I. Contract No. - 2015-CB-030
 FAP Nos: BHO-0011(004)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
100	206.9903	Cont.				
Item 206.9903 Total:				1.00		
101	T05.0310	PULL BOX ON STRUCTURE TYPE W STANDARD 18.6.3 BRIDGE 011	EACH			
		PULL BOX IN EACH HANDHOLE		4.00	0014	01
Item T05.0310 Total:				4.00		

Revise **Section 108; Prosecution and Progress** as follows.

**SECTION 108.03
PROSECUTION AND PROGRESS**

The level of detail and Schedule Submission requirements shall be based on Schedule Level A.

• **Add the following to Subsection 108.03.**

108.03.d.3 Project Milestones.

The following Project Milestones shall be included in the schedule:

- Begin Bridge Closure Phase 1
- Complete Bridge Closure Phase 1
- Begin Bridge Closure Phase 2
- Complete Bridge Closure Phase 2
- Interim Completion Date 1 (“Phase 1 Completion Date” in Quest)
- Substantial Completion

108.03.d.13 Logic.

All seasonal restraints and traffic management restraints defined elsewhere in the contract shall be included in the schedule.

**SECTION 108.11
INCENTIVE AND DISINCENTIVE**

DESCRIPTION:

The payment provisions set forth elsewhere in the Contract are supplemented by the terms of this Special Provision.

INTERIM CONSTRUCTION PHASE:

A monetary incentive or disincentive will be applied to the following Interim Construction Phases according to the terms herein. The Interim Construction Phases are defined as follows:

Bridge Closure Phase 1

Bridge Closure Phase 1 is the period of time during which Route 1A (Boston Neck Road) is closed to through vehicular traffic at Hussey Bridge No. 11 and vehicles are required to travel alternate route(s) to bypass the work at the bridge site. Bridge Closure Phase 1 shall start no earlier than 9:00 AM Friday April 1, 2016. Bridge Closure Phase 1 shall be completed no later than 3:00 PM Friday June 24, 2016.

Upon the start of Bridge Closure Phase 1 the phase shall be maintained as a single continuous phase. Suspending the phase and reopening the bridge to traffic and then resuming the phase and closing the bridge to traffic shall not be permitted without the approval of the Engineer. Suspending the phase and reopening the bridge to traffic shall not be considered a completion of the phase and shall not be considered in computing Incentive payments.

The completion of Bridge Closure Phase 1 is defined as the time at which Route 1A (Boston Neck Road) is reopened to two lanes of traffic, with each lane having a minimum usable width of 11'-0", and both sidewalks are opened for pedestrian use. Any subsequent closure of travel lanes on Route 1A (Boston Neck Road) or the closure of sidewalks to pedestrians prior to the start of Bridge Closure Phase 2 that are not in accordance with the approved Transportation Management Plan or approved by the Engineer shall result in the determination that Bridge Closure Phase 1 has not been completed.

Bridge Closure Phase 2

Bridge Closure Phase 2 is the period of time during which Route 1A (Boston Neck Road) is closed to through vehicular traffic at Hussey Bridge No. 11 and vehicles are required to travel alternate route(s) to bypass the work at the bridge site. Bridge Closure Phase 2 shall start no earlier than 9:00 AM Tuesday September 6, 2016. Bridge Closure Phase 2 shall be completed no later than 3:00 PM Tuesday November 15, 2016.

Upon the start of Bridge Closure Phase 2 the phase shall be maintained as a single continuous phase. Suspending the phase and reopening the bridge to traffic and then resuming the phase and closing the bridge to traffic shall not be permitted without the approval of the Engineer. Suspending the phase and reopening the bridge to traffic shall not be considered a completion of the phase and shall not be considered in computing Incentive payments.

The completion of Bridge Closure Phase 2 is defined as the time at which Route 1A (Boston Neck Road) is reopened to two lanes of traffic, with each lane having a minimum usable width of 11'-0", and both sidewalks are opened for pedestrian use. Any subsequent closure of travel lanes on Route 1A (Boston Neck Road) or the closure of sidewalks to pedestrians prior to Final Acceptance that are not in accordance with the approved Transportation Management Plan or approved by the Engineer shall result in the determination that Bridge Closure Phase 2 has not been completed.

Traffic pattern changes required to implement Bridge Closure Phase 1 or Bridge Closure Phase 2 shall only be performed between the hours of 9:00 AM and 3:00 PM or between the hours of 9:00 PM and 7:00 AM the following morning.

INCENTIVE AND DISINCENTIVE ASSESSMENT:

An Incentive (positive assessment) shall be paid for each full day (24 hours), up to a maximum of twenty days, Bridge Closure Phase 1 is completed in advance of the completion date and time specified. The incentive to be added to monies due to the Contractor for completion of Bridge Closure Phase 1 in advance of the specified date and time shall be Ten thousand Four hundred dollars (\$10,400.00) per day (24 hours) up to a maximum of twenty days. There shall be no payment for partial days, i.e periods of less than 24 hours.

An Incentive (positive assessment) shall be paid for each full day (24 hours), up to a maximum of twenty days, Bridge Closure Phase 2 is completed in advance of the completion date and time specified, except as otherwise noted. The incentive to be added to monies due to the Contractor for completion of Bridge Closure Phase 2 in advance of the specified date and time shall be Eight thousand dollars (\$8,000.00) per day (24 hours) up to a maximum of twenty days. There shall be no payment for partial days, i.e periods of less than 24 hours. There shall be no Incentive (positive assessment) paid to the Contractor for completion of Bridge Closure Phase 2 in advance of the Bridge Closure Phase 2 completion date and time specified if Bridge Closure Phase 1 is completed after the Bridge Closure Phase 1 completion date and time specified.

A Disincentive (negative assessment) shall be assessed for each full day (24 hours) or part thereof Bridge Closure Phase 1 is completed after the Bridge Closure Phase 1 completion date and time specified. The disincentive to be deducted from monies due to the Contractor for completion of Bridge Closure Phase 1 after the specified date and time shall be Ten thousand Four hundred dollars (\$10,400.00) per day (24 hours) or part thereof.

A Disincentive (negative assessment) shall be assessed for each full day (24 hours) or part thereof Bridge Closure Phase 2 is completed after the Bridge Closure Phase 2 completion date and time specified. The disincentive to be deducted from monies due to the Contractor for completion of Bridge Closure Phase 2 after the specified date and time shall be Eight thousand dollars (\$8,000.00) per day (24 hours) or part thereof.

The disincentive amounts are assessed not as a penalty but as liquidated and ascertained damages based upon a percentage of road user costs for the time extending the Bridge Closure Phase beyond the specified date and time. The disincentive is for the purpose of recovering the road user costs resulting

from delays to the Project. The Contractor should assume that disincentive assessments would commence at the specified completion date and time of each respective Bridge Closure Phase.

There will be no limit to the total disincentive for this contract per each of the Bridge Closure Phases. The incentive for Bridge Closure Phase 1 is limited to a maximum of two hundred eight thousand dollars and no cents (\$208,000.00). The incentive for Bridge Closure Phase 2 is limited to a maximum of one hundred sixty thousand dollars and no cents (\$160,000.00).

For purposes of determining whether the Contractor shall receive an Incentive Payment, the dates and times set forth in this specification will not be adjusted under any circumstance for any reason, cause, or circumstance whatsoever, regardless of fault. Should the Contractor be delayed in the commencement, prosecution, or completion of the work in a Bridge Closure Phase for any reason, there shall be no revision of the Incentive Assessment calculation date and time or the Disincentive Assessment calculation date and time notwithstanding that there may be granted an extension of time for Work outside the Bridge Closure Phases in the Contract. In each of the Bridge Closure Phases, failure of the Contractor to complete the required work within the Bridge Closure Phases shall release and discharge the State, the Department, and all of its officers, agents, and employees from all claims and demands for the payment of any incentive amount or damages arising from the refusal to pay any incentive amount.

Incentive Payment, if due the Contractor, will be made following acceptance of the project by the Engineer as substantial completion.

Disincentive assessment will be deducted from monies due or to become due the Contractor upon determination by the Engineer that a Disincentive assessment is warranted. Any Disincentive assessed in accordance with this Special Provision shall be separate from and in addition to charges assessed in accordance with **Subsection 937.05.02** and **Code 937.1000**.

CODE 830.9901
REHABILITATE SIDEWALK RAILINGS

DESCRIPTION:

This work shall consist of the careful rehabilitation of the existing historic railings that are attached to the concrete parapets on the Clarence Hussey Memorial Bridge and on the approach walls at both ends of the bridge. All work shall be carried out in a manner that preserves the original railing design and, retains as much of the original, intact railing materials as practicable. The existing lattice detail on the lower portions of the railings shall be completely replaced with new, duplicate lattice panels.

All work shall be in accordance with the applicable sections of the State of Rhode Island Standard Specifications for Road and Bridge Construction, August 2013 Edition (hereinafter referred to as the RI Standard Specifications), including all revisions and compilations, as detailed on the Contract Plans, as directed by the Engineer and further described in these specifications.

MATERIALS:

- a. **Rail lattice Panel Stock** shall conform to AASHTO M270 (ASTM A709) Grade 36. Lattice stock shall be metalized in accordance with Section 827 and shall match the existing in all dimensions and geometry.
- b. **Rail and post pipes** shall conform to ASTM A53, Grade B.
- c. **Ball fittings** shall be made of steel castings conforming to **Subsection M.05.04.9, Paragraph a.** of the Rhode Island Standard Specifications.
- d. **Weld metal** shall conform to **Subsection M.05.04.5** of the Rhode Island Standard Specifications.
- e. **Rivets** shall conform to ASTM A502 Grade 1.
- f. **Round-headed bolts (fitted with the appropriate hex nuts and washers)** shall conform to ASTM A307 and shall be mechanically galvanized.
- g. **Railings** shall be painted in accordance with Code 825.9903.

CONSTRUCTION METHODS:

The Clarence L. Hussey Memorial Bridge is a historic structure and also a contributing structure of the Wickford National Register Historic District. The railings on the bridge and the approaches are features that contribute to these historic resources. Therefore, all work shall be carried out in a cautious manner that protects the bridge and railings from damage and preserves the historic/architectural integrity of the railings and bridge. The Contractor shall coordinate the railing rehabilitation work with the work to replace the concrete copings.

At the Contractor's option the railings may be supported and remain in-place while the removal/replacement of the concrete copings is carried out or may be removed from the structure for rehabilitation and repair at an offsite facility. For rail that is to remain in place the Contractor shall submit as a shop drawing, the proposed methods/equipment to be employed to support and protect the railings in place during all phases of the work as well as the proposed methods/equipment for removal of the concrete copings. The railing support system shall be rigid, so that no bending or twisting forces are born by the railings. For rail that is to be removed from the structure the Contractor shall submit as a shop drawing, the proposed methods/equipment to be employed to disassemble, handle, transport and protect the railings during all phases of the work as well as the proposed methods/equipment for removal of the concrete copings. The methods and equipment utilized shall be such that no bending or twisting forces are born by the railings. Extra care shall be exercised while removing the concrete from around the railings during demolition operations to avoid cutting, nicking, deforming or otherwise damaging the railings.

The Contractor shall ensure that the repair operation does not cause damage to intact parts of the railing, the existing wall, the sidewalk or bridge structures to remain. Any resulting damage shall be repaired by the Contractor to the satisfaction of the Engineer at no additional expense to the State.

The Contractor shall verify the dimensions of existing and new railing parts to ensure fitment of all parts, lattice panels and hardware and submit in writing that all such dimensions have been verified prior to fabrication.

Qualifications of Personnel

The railing shall be repaired by an approved contractor/fabricator with demonstrated experience in successfully repairing/restoring comparable historic iron (pipe) railings, while maintaining their historic design and character. The Contractor shall retain the services of tradesmen that possess the specialized equipment and experience necessary to professionally repair, fabricate, remove and install the historic railings and their components. The Contractor shall submit for approval, no less than three work references (including but not limited to locations, pictures and dates of completion of comparable projects completed within the last 10 years) that demonstrate the Contractor's/ each subcontractor's qualifications and experience. **This information shall be submitted to the Engineer within 30 days of receiving the "Notice to Proceed".**

Identifying areas in need of repair

Components of the existing railing system to be replaced have been identified on the plans based on limited inspection. The Contractor shall inspect the railing system thoroughly and identify any additional components or hardware that need to be removed and replaced and, shall notify the Engineer of such necessary repairs. The Contractor shall submit proposed repairs and procedures to the Engineer for review and approval as part of the Shop Drawing process.

Railing Lattice

Removal of lattice and other brackets/attachments that have been welded during previous repair attempts shall be carefully carried out without the use of cutting torches or other means that will result in damage to the base metal that is to remain unless otherwise approved during the shop drawing process.

It is anticipated that the new lattice panels will be fabricated, metalized and painted in a shop environment. The lattice shall be constructed in a manner that replicates the dimensions and geometry of the existing (intact) lattice. All components of the lattice assemblies shall be metalized prior to assembly. With the exception of the rivets, fasteners used to make connections shall be mechanically galvanized.

There shall be no cutting, drilling, bending or shaping of metal once the railing components have been metalized.

In the event that the metalized and/or painted finishes on the railing are damaged, the Contractor shall (at no additional expense to the State) make the necessary repairs in accordance with the respective finish manufacturer's specified methods and as directed by the Engineer. This may also include re-metalizing damaged components.

Steel Castings

Castings shall be cast in molds made from existing fittings in good condition so that the size and shape of the new fittings match the existing fittings. Sample castings shall be submitted to the Engineer for approval. The Engineer in consultation with the RIDOT Historic Preservation Specialist will review the samples and compare them against the original fittings. Failure of a sample casting to match the existing fittings in form, shape or size, thickness or other specified requirements shall be cause for rejection. Production castings shall not be produced without the approval of the Engineer. Production castings shall be produced only from the same molds used in the making of the sample castings approved by the Engineer.

The Contractor shall submit for approval, samples of each metal shape/fastener required to complete the work under this item. Once the components are approved, one lattice panel shall be submitted to the Engineer for review. All component and lattice panel reviews will be carried out by the Engineer in consultation with the RIDOT Historic Preservation Specialist.

Painting

Painting of the rehabilitated railings and all parts/hardware shall be completed in accordance with Code 825.9903. All existing metal shall be cleaned in accordance with SSPC-SP10.

Shop Drawings and Submittals

The Contractor shall prepare and submit shop drawings in accordance with **Subsection 105.02** of Rhode Island Standard Specifications. The Engineer in consultation with the RIDOT Historic Preservation Specialist will review the submittals. Shop drawings shall be submitted for, but not limited to: Qualifications of the contractor/subcontractor, the proposed procedures for supporting in place or removing the railings, a description of the methods/means and tools that will be used to carry out the work under this item, all dimensions/details pertinent to the railing components that are to be replaced, samples of new steel shapes, casting(s) and fasteners, paint system information and draw-down(s), and welding procedures.

The historic railings are not to be used in any way to support or stabilize safety netting, debris netting, fencing or anything that could damage it. The railings shall be protected from damage during all phases of the work.

METHOD OF MEASUREMENT

“Rehabilitate Sidewalk Railings” will be measured by the number of pounds of rail parts and hardware provided in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT

The accepted quantity of “Rehabilitate Sidewalk Railings” will be paid for at the contract unit price per pound as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, legal disposal of material not reinstalled, materials, equipment, including removing existing railings, measuring, fabricating, sample preparation, metalizing, field installing and all other incidentals required to finish the work, complete and accepted by the Engineer. Cleaning and painting of the complete railing system shall be paid for under Item Code 825.9903, “PAINTING OF EXISTING AND NEW STEEL”.

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:

Interim Completion Date 1 (“Phase 1 Completion Date” in Quest): November 15, 2016

All Contract work shall be completed, with the exception of in-waterway, paving, pavement markings, and landscaping, as defined by **Section 101.71**.

Liquidated Damages: \$1,200.00 per calendar day.

Substantial Completion: May 18, 2017

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

Liquidated Damages: \$1,200.00 per calendar day.

Plans and Shop Drawings

The Contractor shall note specification “105.02 Plans and Shop Drawings”. The Contractor shall submit duplicate Shop Drawings (two copies per submittal) directly to the attention of the Consulting Engineer (PARSONS, 100 High Street, Boston, MA 02110, Attn: Gary Hall, P.E.) simultaneously with each of his official submittals to the State.

The Contractor shall submit staging and protective shielding submittals in sufficient time to allow review by the Coast Guard. A RIDOT approved schedule for any work over or from the waterway, above and/or below the bridge must be provided to RIDOT for forwarding to the USCG Boston Office a minimum of 45 days prior to the start of the work. Any request to close or restrict the channel must be received by RIDOT no less than 90 days prior to initiation of restriction or closure.

8. SHOP DRAWINGS AND SUBMITTALS

The following list of work for which shop drawings and/or other submittals are required is provided for the convenience of the Contractor. This list includes only major items of work; it does not itemize all submittals required by the contract documents. All submittals shall be in accordance with Section 105.02 of the Specifications. The Contractor is responsible for timely submission of all shop drawings and other documents required by the contract. No extra payment will be made, nor will any extension be made to the contract completion date for making required submittals.

- a. Temporary Protection Shields for Demolition and Construction
- b. Barge Access
- c. Turbidity Control Curtain
- d. Expansion Joint System
- e. Reset Stone Masonry
- f. Concrete Surface Treatment (Silicate Paint)
- g. Structural Steel Repairs
- h. Impact Attenuator
- i. Rehabilitate Railings
- j. Ceramic Identification Tablets
- k. Maintenance of Pedestrian Traffic
- l. Lighting/Electrical Systems
- m. Waterway Depth Certification (USCG)
- n. As Built Survey (USCG)