

June 21, 2013

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION  
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7468370

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2012-CB-001

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0182(002)

**Replacement of Central Bridge No. 018201 & Access Improvements to Route 114**

Sta. 0+56.00 to Sta. 16+38.00

CITY/TOWN OF Barrington

COUNTY OF BRISTOL

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 2 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. Federal Wage Rates**

1. Updated Federal Wage Rates

Replace "General Decision Number: RI130001 05/10/2013 RI1" with "General Decision Number: RI130001 06/14/2013 RI1" attached to this Addendum No. 2.

**B. Distribution of Quantities**

1. Index

Delete the Index in its entirety and insert the Index(R-2) attached to this Addendum No. 2. The Index has been updated.

2. Item 929.0110 Field Office

Replace Page 31 of 43 with Page 31(R-1) of 44 attached to this Addendum No. 2. The Field Office quantity has been increased.

3. Item Codes 808.0502, 808.0504, and 808.9905

Replace Pages 21, 22, and 43(R-1) of 43 with Pages 21(R-1), 22(R-1), and 43(R-2) of 44, and insert Page 44(R-1) of 44 attached to this Addendum No. 2. Item Codes 808.0502 and 808.0504 have been replaced by Item Code 808.9905 "Concrete Substructure Class MC 3/4" Abutment and Wall Pile Caps."

4. Item Code 603.1000 Controlled Low Strength Material (CLSM)

Replace Page 12 of 43 with Page 12(R-1) of 44 attached to this Addendum No. 2. The quantities of CLSM have been adjusted.

**C. General Provisions - Contract Specific**

1. Sequence of Construction - Special Requirements

a. Interim Completion

Replace Page CS-7 with Page CS-7(R-1) attached to this Addendum No. 2. The completion date "Interim Completion - Bridge Open" has been retitled "Interim Completion - Bridge Complete."

b. Pile Driving/Submittals

Replace Page CS-8 with Page CS-8(R-1) attached to this Addendum No. 2. A paragraph with time restrictions on pile driving has been added, and a paragraph regarding submittals has been added.

2. Transportation Management Plan

Replace Page 7 of 16 of the Transportation Management Plan with Page 7(R-1) of 16 attached to this Addendum No. 2. The dates in the "General Project Schedule and Construction Sequence" have been updated. Per the footnote in this Section, these dates shall not supersede the approved schedule and milestone/completion dates.

**D. Specifications - Job Specific**

1. Prosecution and Progress

Replace Page JS-3 with Page JS-3(R-1) attached to this Addendum No. 2. The completion date "Interim Completion - Bridge Open" has been retitled "Interim Completion - Bridge Complete," and the scope of work related to this date has been revised.

2. Install 6-Inch Diameter Gas Main

Replace Page JS-75 and JS-77 with Pages JS-75(R-1) and JS-77(R-1) attached to this Addendum No. 2. Materials requirements and payment for materials have been clarified in the Materials and Basis of Payment sections.

3. Helical-Anchor Assembly

Replace Pages JS-109 and JS-113 with Pages JS-109(R-1) and JS-113(R-1) attached to this Addendum No. 2. The design load of 25,000 kips has been corrected to 25 kips.

4. Concrete-Filled Pipe Piles

Replace Page JS-103 with Page JS-103(R-1) attached to this Addendum No. 2. Paragraph E has been modified and paragraph L has been added.

5. Portland Cement Concrete

Replace Page JS-27 with Page JS-27(R-1) attached to this Addendum No. 2. Mass concrete bridge components have been identified in Table 1.

6. Temporary Earth Support

Replace Page JS-117 with Page JS-117(R-1) attached to this Addendum No. 2. The Basis of Payment section has been modified to clarify payment for excavation for obstruction removal.

7. Excavation and Embankment

Replace Page JS-7 with Page JS-7(R-1) attached to this Addendum No. 2. The first paragraph in Section 3.2 has been updated to clarify that the Contractor's QCP shall be submitted to the Engineer for approval.

**E. Drawings/Plans - Change/Addition**

1. Sheets 35 and 36 - Bridge Notes

a. Sheet 35 - Bridge Notes 1 - Class MC Concrete

Sheet 35, Bridge Notes - 1, is modified as shown in Sketch 8 attached to this Addendum No. 2. Concrete Class MC has been added to the Materials section.

b. Sheet 36 - Bridge Notes 2 - Class MC Concrete

Sheet 36, Bridge Notes - 2, is modified as shown in Sketch 9 attached to this Addendum No. 2. Class MC concrete has been added to Concrete Note 1.

c. Sheet 36 - Bridge Notes - 2 - Sandblasting

Sheet 36, Bridge Notes - 2, is modified as shown in Sketch 10 attached to this Addendum No. 2. A note regarding sandblasting requirements has been revised.

2. Sheet 37 - Bridge Demolition Plan-1

Sheet 37, Bridge Demolition Plan - 1, is modified as shown in Sketch 11 attached to this Addendum No. 2. The call-out regarding removing and stockpiling riprap has been removed.

3. Sheet 51 - Pile Details

Sheet 51, Pile Details, is modified as shown in Sketch 12 attached to this Addendum No. 2. Note 9 has been modified and Note 16 has been added.

4. Sheet 74 - Curb and Riprap Details

Sheet 74, Curb and Riprap Details, is modified as shown in Sketch 13 attached to this Addendum No. 1. A chamfer has been added to the '6"×20" Granite Curb at Moment Slab' details.

**E. Contract Dates**

1. Phase 2 Completion Date

The Phase 2 Completion Date ("Interim Completion - Bridge Complete") has been updated to 10/14/2016.

  
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RI Department of Transportation  
Chief Engineer

General Decision Number: RI130001 06/14/2013 RI1

Superseded General Decision Number: RI20120001

State: Rhode Island

Construction Types: Building, Heavy (Heavy and Marine) and Highway

Counties: Rhode Island Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include residential construction consisting of single family homes and apartments up to and including 4 stories) HEAVY, HIGHWAY AND MARINE CONSTRUCTION PROJECTS

Modification Number	Publication Date
0	01/04/2013
1	01/18/2013
2	02/01/2013
3	02/08/2013
4	02/22/2013
5	03/08/2013
6	03/15/2013
7	04/05/2013
8	05/03/2013
9	05/10/2013
10	06/14/2013

ASBE0006-008 09/01/2011

	Rates	Fringes
Asbestos Worker/Insulator Includes application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems.	\$ 36.59	21.83

ASBE0201-004 06/01/2005

	Rates	Fringes
HAZARDOUS MATERIAL HANDLER Includes preparation, wetting, stripping, removal scrapping, vacuuming, bagging & disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems.	\$ 17.65	9.95

BOIL0029-001 10/01/2009

	Rates	Fringes
BOILERMAKER	\$ 38.25	17.04

BRII0003-001 12/01/2012

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner.	\$ 34.70	22.25

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BRRIO003-002 09/01/2012

	Rates	Fringes
Marble Setter, Terrazzo Worker & Tile Setter.....	\$ 34.23	22.82

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BRRIO003-003 09/01/2012

	Rates	Fringes
Marble, Tile & Terrazzo Finisher.....	\$ 28.90	21.65

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CARP0094-001 01/01/2013

	Rates	Fringes
CARPENTER (Includes Soft Floor Layer).....	\$ 31.56	24.65
Diver Tender.....	\$ 32.56	24.65
Diver.....	\$ 43.36	24.65
MILLWRIGHT.....	\$ 32.75	22.39
Piledriver.....	\$ 31.56	24.65
WELDER.....	\$ 32.56	24.65

FOOTNOTES:

When not diving or tending the diver, the diver and diver tender shall receive the piledriver rate. Diver tenders shall receive \$1.00 per hour above the pile driver rate when tending the diver.

Work on free-standing stacks, concrete silos & public utility electrical power houses, which are over 35 ft. in height when constructed: \$.50 per hour additional.

Work on exterior concrete shear wall gang forms, 45 ft. or more above ground elevation or on setback: \$.50 per hour additional.

The designated piledriver, known as the "monkey": \$1.00 per hour additional.

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ELEC0099-002 12/01/2012

	Rates	Fringes
ELECTRICIAN.....	\$ 34.08	62.86%
Teledata System Installer.....	\$ 25.56	14.26%+13.57

FOOTNOTES:

Work of a hazardous nature, or where the work height is 30 ft. or more from the floor, except when working OSHA-approved lifts: 20% per hour additional.

Work in tunnels below ground level in combined sewer outfall: 20% per hour additional.

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ELEV0039-001 01/01/2013

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 44.93	25.185+A+B

FOOTNOTES:

A. PAID HOLIDAYS: New Years Day; Memorial Day; Independence Day; Labor Day; Veterans' Day; Thanksgiving Day; the Friday after Thanksgiving Day; and Christmas Day.

B. Employer contributes 8% basic hourly rate for 5 years or more of service of 6% basic hourly rate for 6 months to 5 years of service as vacation pay credit.

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ENGI0057-001 12/01/2012

	Rates	Fringes
Operating Engineer: (power plants, sewer treatment plants, pumping stations, tunnels, caissons, piers, docks, bridges, wind turbines, subterranean & other marine and heavy construction work)		
GROUP 1.....	\$ 35.40	21.10+a
GROUP 2.....	\$ 31.02	21.10+a
GROUP 3.....	\$ 28.17	21.10+a
GROUP 4.....	\$ 34.45	21.10+a
GROUP 5.....	\$ 34.12	21.10+a
GROUP 6.....	\$ 31.10	21.10+a
GROUP 7.....	\$ 35.02	21.10+a

BOOM LENGTHS, INCLUDING JIBS:

- 150 feet and over + \$1.75
- 180 feet and over + \$2.75
- 210 feet and over + \$3.75
- 240 feet and over + \$4.75
- 270 feet and over + \$6.75
- 300 feet and over + \$7.75

PAID HOLIDAYS:

New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day, Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

FOOTNOTES:

Hazmat work: \$2.00 per hour additional.  
Tunnel work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross Carrier, crane, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer & vacuum truck, forklifts, economobile type equipment, tunnel boring machines, concrete pump and on site concrete plants.

GROUP 2: Fireman & oiler.

GROUP 3: Oiler on crawler backhoe.

GROUP 4: Bulldozer, skid steer loader, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile-powered sweeper (3-yd. capacity), 8-ft. sweeper minimum 65 HP).

GROUP 5: Well-point installation crew.

GROUP 6: Heater, concrete mixer, stone crusher, welding machine, generator and light plant, gas and electric driven pump and air compressor.

GROUP 7: Boat & tug operator.

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ENGI0057-002 11/01/2012

	Rates	Fringes
Power Equipment Operator (highway construction projects; water and sewerline projects which are incidental to highway construction projects; and bridge projects that do not span water)		
GROUP 1.....	\$ 30.55	21.10+a
GROUP 2.....	\$ 29.08	21.10+a
GROUP 3.....	\$ 23.13	21.10+a
GROUP 4.....	\$ 25.83	21.10+a
GROUP 5.....	\$ 29.53	21.10+a
GROUP 6.....	\$ 29.15	21.10+a
GROUP 7.....	\$ 24.80	21.10+a
GROUP 8.....	\$ 26.18	21.10+a
GROUP 9.....	\$ 28.13	21.10+a
GROUP 10.....	\$ 28.60	21.10+a
GROUP 11.....	\$ 28.98	21.10+a

FOOTNOTE: a. Any employee who works three days in the week in which a holiday falls shall be paid for the holiday.

PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Digging machine, crane, piledriver, lighter, locomotive, derrick, hoist, boom truck, John Henry's, directional drilling machine, cold planer, reclaimer, paver, spreader, grader, front end loader (3 yds. and over), vacuum truck, test boring machine operator, veemere saw, water blaster, hydro-demolition robot, forklift, economobile, Ross Carrier, concrete pump operator and boats

GROUP 2: Fireman

GROUP 3: Oiler

GROUP 4: Oiler on truck crane, gradall & crawler crane

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), bulldozer & scraper

GROUP 6: Roller, skid steer loaders, street sweeper

GROUP 7: Gas and electric drive heater, concrete mixer, light plant, welding machine, pump & compressor

GROUP 8: Stone crusher

GROUP 9: Mechanic & welder

GROUP 10: Shovel operator, front end loader & dragline

GROUP 11: Well point installation crew  
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ENGI0057-003 12/01/2012

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1.....	\$ 34.67	21.10+a
GROUP 2.....	\$ 34.45	21.10+a
GROUP 3.....	\$ 30.45	21.10+a
GROUP 4.....	\$ 27.60	21.10+a
GROUP 5.....	\$ 33.75	21.10+a
GROUP 6.....	\$ 33.32	21.10+a
GROUP 7.....	\$ 30.65	21.10+a

BOOM LENGTHS, INCLUDING JIBS:

- 150 ft. and over: + \$1.75
- 180 ft. and over: + \$2.75
- 210 ft. and over: + \$3.75
- 240 ft. and over: + \$4.75
- 270 ft. and over: + \$6.75
- 300 ft. and over: + \$7.75

PAID HOLIDAYS: New Year's Day, President's Day, Memorial Day, July Fourth, Victory Day, Labor Day, Columbus Day, Veterans Day, Thanksgiving Day & Christmas Day. a: Any employee who works 3 days in the week in which a holiday falls shall be paid for the holiday.

FOOTNOTE: Hazmat work: \$2.00 per hour additional.  
Tunnel work: \$5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross carrier, crane, lighter, locomotive, derrick, hoist, elevator, bidwell-type machine, shot & water blasting machine, paver, spreader, front end loader (3 yds. and over), vibratory hammer and vacuum truck

GROUP 2: Telehandler equipment, forklift, concrete pump & on-site concrete plant

GROUP 3: Fireman & oiler

GROUP 4: Oiler on crawler backhoe

GROUP 5: Bulldozer, skid steer loaders, tractor, grader, scraper, combination loader backhoe, roller, front end loader (less than 3 yds.), street and mobile powered sweeper (3 yds. capacity), 8-ft. sweeper (minimum 65 hp)

GROUP 6: Well point installation crew

GROUP 7: Heater, concrete mixer, stone crusher, welding machine, generator for light plant, gas and electric driven pump & air compressor

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IRON0037-001 03/16/2013

	Rates	Fringes
IRONWORKER.....	\$ 32.81	22.22

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LABO0271-001 12/05/2010

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1.....	\$ 25.90	19.85
GROUP 2.....	\$ 26.15	19.85
GROUP 3.....	\$ 26.65	19.85
GROUP 4.....	\$ 26.90	19.85
GROUP 5.....	\$ 27.90	19.85

LABORERS CLASSIFICATIONS

GROUP 1: Laborer, Carpenter Tender, Mason Tender, Cement Finisher Tender, Scaffold Erector, Wrecking Laborer, Asbestos Removal [Non-Mechanical Systems]

GROUP 2: Asphalt Raker, Adzemen, Pipe Trench Bracer, Demolition Burner, Chain Saw Operator, Fence & Guard Rail Erector, Setter of Metal Forms for Roadways, Mortar Mixer, Pipelayer, Riprap & Dry Stonewall Builder, Highway Stone Spreader, Pneumatic Tool Operator, Wagon Drill Operator, Tree Trimmer, Barco-Type Jumping Tamper, Mechanical Grinder Operator

GROUP 3: Pre-Cast Floor & Roof Plank Erectors

GROUP 4: Air Track Operator, Hydraulic & Similar Self-Powered Drill, Block Paver, Rammer, Curb Setter, Powderman & Blaster

GROUP 5: Toxic Waste Remover

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LABO0271-002 12/05/2010

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1.....	\$ 43.33	19.85
Group 2.....	\$ 32.85	19.85
Group 3.....	\$ 45.33	19.85
FREE AIR		
Group 1.....	\$ 35.40	19.85
Group 2.....	\$ 32.85	19.85
Group 3.....	\$ 37.40	19.85
LABORER		
Group 1.....	\$ 25.90	19.85
Group 2.....	\$ 26.15	19.85
Group 3.....	\$ 26.90	19.85
Group 4.....	\$ 19.40	19.85
Group 5.....	\$ 27.90	19.85
OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW		
Bottom Man.....	\$ 31.90	19.85
Top Man & Laborer.....	\$ 30.95	19.85
TEST BORING		
Driller.....	\$ 32.35	19.85
Laborer.....	\$ 30.95	19.85

LABORER CLASSIFICATIONS

GROUP 1: Laborer; Carpenter tender; Cement finisher tender; Wrecking laborer; Asbestos removers [non-mechanical systems]; Plant laborer; Driller in quarries

GROUP 2: Adzeperson; Asphalt raker; Barcotype jumping tamper; Chain saw operators; Concrete and power buggy operator; Concrete saw operator; Demolition burner; Fence

and guard rail erector; Highway stone spreader; Laser beam operator; Mechanical grinder operator; Mason tender; Mortar mixer; Pneumatic tool operator; Riprap and dry stonewall builder; Scaffold erector; Setter of metal forms for roadways; Wagon drill operator; Wood chipper operator; Pipelayer; Pipe trench bracer

GROUP 3: Air track drill operator; Hydraulic and similar powered drills; Brick paver; Block paver; Rammer and curb setter; Powderperson and blaster

GROUP 4: Flagger & signaler

GROUP 5: Toxic waste remover

LABORER - COMPRESSED AIR CLASSIFICATIONS

GROUP 1: Mucking machine operator, tunnel laborer, brake person, track person, miner, grout person, lock tender, gauge tender, miner: motor person & all others in compressed air

GROUP 2: Change house attendant, powder watchperson, top person on iron

GROUP 3: Hazardous waste work within the "HOT" zone

LABORER - FREE AIR CLASSIFICATIONS

GROUP 1: Grout person - pumps, brake person, track person, form mover & stripper (wood & steel), shaft laborer, laborer topside, outside motorperson, miner, conveyor operator, miner welder, heading motorperson, erecting operator, mucking machine operator, nozzle person, rodperson, safety miner, shaft & tunnel, steel & rodperson, mole nipper, concrete worker, form erector (wood, steel and all accessories), cement finisher (this type of work only), top signal person, bottom person (when heading is 50' from shaft), burner, shield operator and TBM operator

GROUP 2: Change house attendant, powder watchperson

GROUP 3: Hazardous waste work within the "HOT" zone

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PAIN0011-005 06/21/2011

	Rates	Fringes
PAINTER		
Brush, Roller, Taper, Wall Coverer.....	\$ 28.55	16.97
Epoxy, Tanks, Towers, Swing Stage & Structural Steel.....	\$ 30.55	16.97
Spray, Sand & Water Blasting.....	\$ 29.55	16.97

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PAIN0011-006 06/01/2011

	Rates	Fringes
GLAZIER.....	\$ 32.73	16.55

FOOTNOTES:

SWING STAGE: \$1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

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 \* PAIN0011-011 06/01/2013

	Rates	Fringes
Painter (Bridge Work).....	\$ 43.15	17.75

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 PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter.....	\$ 24.79	13.72

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 PLAS0040-001 06/11/2012

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 30.50	23.35
PLASTERER.....	\$ 32.00	22.60

FOOTNOTE: Cement Mason: Work on free swinging scaffolds under 3 planks width and which is 20 or more feet above ground and any offset structure: \$.30 per hour additional.

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 PLAS0040-002 06/11/2012

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 30.50	23.35

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 PLUM0051-002 03/01/2013

	Rates	Fringes
Plumbers and Pipefitters.....	\$ 34.96	27.12

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 ROOF0033-004 12/01/2012

	Rates	Fringes
ROOFER.....	\$ 30.68	19.27

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 SFRI0669-001 01/01/2013

	Rates	Fringes
SPRINKLER FITTER.....	\$ 38.98	19.87

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 SHEE0017-002 12/01/2012

	Rates	Fringes
Sheet Metal Worker.....	\$ 35.32	28.05

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 TEAM0251-001 05/01/2013

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1.....	\$ 27.21	18.2625+A+B
GROUP 2.....	\$ 27.36	18.2625+A+B
GROUP 3.....	\$ 27.41	18.2625+A+B
GROUP 4.....	\$ 27.46	18.2625+A+B

GROUP 5.....	\$ 27.56	18.2625+A+B
GROUP 6.....	\$ 27.96	18.2625+A+B
GROUP 7.....	\$ 28.16	18.2625+A+B
GROUP 8.....	\$ 27.66	18.2625+A+B
GROUP 9.....	\$ 27.91	18.2625+A+B
GROUP 10.....	\$ 27.71	18.2625+A+B

FOOTNOTES:

A. Paid Holidays: New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day, plus Presidents' Day, Columbus Day, Veteran's Day & V-J Day, providing the employee has worked at least one day in the calendar week in which the holiday falls.

B. Employee who has been on the payroll for 1 year or more but less than 5 years and has worked 150 Days during the last year of employment shall receive 1 week's paid vacation; 5 to 10 years - 2 weeks' paid vacation; 10 or more years - 3 week's paid vacation.

All drivers working on a defined hazard material job site shall be paid a premium of \$2.00 per hour over applicable rate.

TRUCK DRIVER CLASSIFICATIONS

GROUP 1: Pick-up trucks, station wagons, & panel trucks

GROUP 2: Two-axle on low beds

GROUP 3: Two-axle dump truck

GROUP 4: Three-axle dump truck

GROUP 5: Four- and five-axle equipment

GROUP 6: Low-bed or boom trailer.

GROUP 7: Trailers when used on a double hook up (pulling 2 trailers)

GROUP 8: Special earth-moving equipment, under 35 tons

GROUP 9: Special earth-moving equipment, 35 tons or over

GROUP 10: Tractor trailer

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WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).  
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The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular

rate is union or non-union.

#### Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters, PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rates.

0000/9999: weighted union wage rates will be published annually each January.

#### Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union majority rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

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#### WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- \* an existing published wage determination
- \* a survey underlying a wage determination
- \* a Wage and Hour Division letter setting forth a position on a wage determination matter
- \* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations  
Wage and Hour Division  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board  
U.S. Department of Labor  
200 Constitution Avenue, N.W.  
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

**Table of Contents - Distribution of Quantities**Project Name - Replacement of Central Bridge No. 018201 & Access Improvements to Route  
114

Estimate Name - Addendum 2 Bridge No. 182

R.I. Contract No. - 2012-CB-001

FAP Nos: BRO-0182(002)

<u>ItemCode</u>	<u>Description</u>	<u>Page</u>
201.0321	CLEARING AND GRUBBING	1
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
201.0411	REMOVE AND DISPOSE CATCH BASIN AND GUTTER INLETS	2
201.0412	REMOVE AND DISPOSE MANHOLE	2
201.0414	REMOVE AND DISPOSE PIPE - ALL SIZES	2
201.0415	REMOVE AND DISPOSE GUARDRAIL AND POST ALL TYPES	3
201.0421	REMOVE AND DISPOSE BITUMINOUS CURB	3
201.0429	REMOVE AND DISPOSE CURB STOP BOX	3
201.0432	REMOVE AND DISPOSE HEADWALL	3
201.0610	REMOVE AND DISPOSE DIRECTIONAL, WARNING, REGULATORY, SERVICE, AND STREET SIGNS	4
201.9901	PRE AND POST CONSTRUCTION SURVEYS OF EXISTING STRUCTURES	4
202.0100	EARTH EXCAVATION	5
202.0201	ROCK EXCAVATION MECHANICAL	5
202.0700	COMMON BORROW	5
203.0100	STRUCTURAL EXCAVATION EARTH	5
203.0203	STRUCTURAL EXCAVATION BOULDERS	5
203.0530	DEWATERING	6
203.0600	FILL GRAVEL BORROW UNDER STRUCTURES	6
203.0650	CRUSHED STONE FILL UNDER STRUCTURES	6
203.0700	PERVIOUS FILL	7
203.9901	HANDLING, HAULING, AND DISPOSAL OF MATERIAL EXCAVATED BELOW MHW	7
204.0100	TRIMMING AND FINE GRADING	8
206.0208	REMOVAL OF BALED HAY EROSION CHECKS	8
206.0230	BALED HAY EROSION CHECK AND SILT FENCE COMBINED STANDARD 9.3.0	8
208.0100	DEWATERING BASIN STANDARD 9.7.0	8
208.9901	STOCKPILE BASIN	8
209.9901	INLET SEDIMENT CONTROL DEVICES	9
212.2000	CLEANING AND MAINTENANCE OF EROSION CONTROLS	9
213.0100	PLACEMENT OF MILLINGS BENEATH GUARDRAIL	9
301.0300	CRUSHED STONE OR CRUSHED GRAVEL BASE MODIFIED	10
301.9901	GEOGRID FABRIC	10
302.0100	GRAVEL BORROW SUBBASE COURSE	10
401.9903	HOT MIX ASPHALT - CLASS 12.5	10
401.9904	HOT MIX ASPHALT - CLASS 19.0	11
403.0300	ASPHALT EMULSION TACK COAT	11
408.0100	CLEANING AND SEALING CRACKS IN BITUMINOUS CONCRETE PAVEMENT: CRACKS LESS THAN 1 INCH IN WIDTH	11
408.0200	CLEANING AND SEALING CRACKS IN BITUMINOUS CONCRETE PAVEMENT: CRACKS 1 INCH AND OVER IN WIDTH	11
601.0300	CLASS A PORTLAND CEMENT CONCRETE	12
<b>603.1000</b>	<b>CONTROLLED LOW STRENGTH MATERIAL</b>	<b>12</b>
700.9901	CORRUGATED STEEL PIPE FOR UTILITY POLES	12
701.0412	REINFORCED CONCRETE PIPE M 170 CLASS III 12 INCH	13
701.0512	REINFORCED CONCRETE PIPE M 170 CLASS IV 12 INCH	13
701.9901	FURNISH AND INSTALL 8-INCH DUCTILE IRON WATER MAIN	13
701.9902	FURNISH AND INSTALL 8-INCH DUCTILE IRON WATER MAIN ON BRIDGE NO. 182	14
701.9903	INSTALL 6-INCH DIAMETER GAS MAIN	14
702.0516	FRAME AND GRATE, HIGH CAPACITY, STANDARD 6.3.4	14

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702.0543	GRANITE APRON STONE 38'' STANDARD 7.3.8	14
702.0605	PRECAST CATCH BASIN 4' DIAMETER STANDARD 4.4.0	15
702.0725	SOLID BLOCK SHALLOW DOUBLE GRATE CATCH BASIN STANDARD 3.5.2	15
702.0850	CONCRETE COVER SHALLOW TYPE "F" SQUARE CATCH BASINS STANDARD 4.8.0	15
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702.9902	SEWER FRAME AND COVER	16
707.1000	ADJUST SANITARY MANHOLE	16
707.1900	ADJUST FRAME & COVER TO GRADE	16
707.2000	ADJUST FRAME AND GRATE TO GRADE	17
708.9040	CLEANING AND FLUSHING PIPE ALL SIZES	17
708.9041	CLEANING CATCH BASINS ALL TYPES AND SIZES	17
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712.0100	WATER GATE BOX	18
712.0200	GAS GATE BOX	18
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803.0000	REMOVAL OF EXISTING BRIDGES	18
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804.2000	MOBILIZATION & DEMOBILIZATION OF PILE DRIVING EQUIPMENT	19
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804.9902	CONCRETE FILLED 26 INCH PIPE PILES	19
804.9903	PILE CUTOFFS	20
804.9905	HELICAL-ANCHOR ASSEMBLY	20
805.0100	PERMANENT SHEET PILING STEEL FURNISH AND DRIVE	20
805.9901	TEMPORARY EARTH SUPPORT	21
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807.9901	REMOVE AND STOCKPILE EXISTING GRANITE STONES	21
807.9902	HANDLING AND TRANSPORT OF OFF-SITE STOCKPILED GRANITE STONES	21
807.9903	INSTALL GRANITE STONES AT RETAINING WALLS	21
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923.0120	PLASTIC PIPE BARRICADE STANDARD 26.3.0	30
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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
040	408.0200	Cont. 13+10 - 16+38		600.00	0010	01
Item 408.0200 Total:				600.00		
041	601.0300	CLASS A PORTLAND CEMENT CONCRETE ROADWAY	CY			
		00+56 RT - 02+05 RT		9.00	0010	01
		06+54 RT - 12+72 RT		36.00	0010	01
		08+50 LT - 14+46 LT		32.00	0010	01
		13+00 RT - 13+99 RT		6.00	0010	01
		14+07 RT - 16+38 RT		14.00	0010	01
Item 601.0300 Total:				97.00		
042	603.1000	CONTROLLED LOW STRENGTH MATERIAL BRIDGE	CY			
		NE RETURN WALL		8.00	0010	01
		NE WALL		90.00	0010	01
		NW RETURN WALL		8.00	0010	01
		NW WALL		130.00	0010	01
		SE RETURN WALL		8.00	0010	01
		SE WALL		13.00	0010	01
		SW RETURN WALL		8.00	0010	01
		SW WALL		13.00	0010	01
Item 603.1000 Total:				278.00		
043	700.9901	CORRUGATED STEEL PIPE FOR UTILITY POLES	LF			
		ROADWAY				
		1+11 LT		7.00	0010	01
		1+98 LT		7.00	0010	01
		10+90 RT		3.00	0010	01
		2+80 LT		3.00	0010	01
		6+35 LT		3.00	0010	01
		7+49 LT		7.00	0010	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
076	805.9901	TEMPORARY EARTH SUPPORT	LS			
		BRIDGE				
		BRIDGE		1.00	0010	01
Item 805.9901 Total:				1.00		
077	805.9902	SHEET PILING AT TOE OF RIPRAP SLOPE SF				
		BRIDGE				
		STA. 2+15 - 2+90 RT		890.00	0010	01
		STA. 7+00 - 8+50 RT		1,575.00	0010	01
		STA. 8+00 - 9+00 LT		1,050.00	0010	01
Item 805.9902 Total:				3,515.00		
078	807.9901	REMOVE AND STOCKPILE EXISTING	CY			
		GRANITE STONES				
		BRIDGE				
		NW WALL		120.00	0010	01
Item 807.9901 Total:				120.00		
079	807.9902	HANDLING AND TRANSPORT OF OFF-SITE	CY			
		STOCKPILED GRANITE STONES				
		BRIDGE				
		NE WALL		100.00	0010	01
		NW WALL		140.00	0010	01
Item 807.9902 Total:				240.00		
080	807.9903	INSTALL GRANITE STONES AT	SF			
		RETAINING WALLS				
		BRIDGE				
		NE WALL		1,100.00	0010	01
		NW WALL		1,650.00	0010	01
Item 807.9903 Total:				2,750.00		

081 808 9902

CONCRETE STRUCTURE CLASS XX

CY

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
081	808.0502 Cont	3/4" ABUT FOOTING				
		BRIDGE				
		EAST ABUTMENT			0010	01
		WEST ABUTMENT			0010	01
				Item 808.0502 Total:		**DELETED**
082	808.0504	CONCRETE SUBSTRUCTURE CLASS XX	CY			
		3/4" WALL FOOTING				
		BRIDGE				
		NE RETURN WALL			0010	01
		NW RETURN WALL			0010	01
		SE RETURN WALL			0010	01
		SW WALL			0010	01
		SW RETURN WALL			0010	01
		SW WALL			0010	01
				Item 808.0504 Total:		**DELETED**
083	808.9904	CONCRETE SUBSTRUCTURE CLASS HP	CY			
		3/4" GRANITE BLOCK FOOTING				
		BRIDGE				
		NE WALL		47.00	0010	01
		NW WALL		49.00	0010	01
				Item 808.9904 Total:		96.00
084	810.9903	GALVANIZED BAR REINFORCEMENT FOR STRUCTURES	LBS			
		BRIDGE				
		EAST ABUTMENT		3,300.00	0010	01
		NE RETURN WALL		900.00	0010	01
		NE WALL		4,300.00	0010	01
		NW RETURN WALL		900.00	0010	01
		NW WALL		4,500.00	0010	01
		SE RETURN WALL		900.00	0010	01

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
118	926.0130 Cont.	ROADWAY				
		CONST. PHASINGS		1,030.00	0010	01
		SUPPLEMENTARY QTY (AS NEEDED)		260.00	0010	01
				<b>Item 926.0130 Total:</b>	<b>1,290.00</b>	
119	926.0140	REFLECTIVE DELINEATORS FOR TEMPORARY CONCRETE BARRIERS ROADWAY	EACH			
		PROJECT WIDE		30.00	0010	01
				<b>Item 926.0140 Total:</b>	<b>30.00</b>	
120	929.0110	FIELD OFFICE ROADWAY	PMO			
		PROJECT DURATION		44.00	0010	01
				<b>Item 929.0110 Total:</b>	<b>44.00</b>	
121	931.0110	CLEANING AND SWEEPING PAVEMENT ROADWAY	HSY			
		00+56 - 16+38		1,680.00	0010	01
				<b>Item 931.0110 Total:</b>	<b>1,680.00</b>	
122	932.0100	CUTTING AND MATCHING ASPHALT ROADWAY	LF			
		14+46 LT - 14+59 LT		23.00	0010	01
		14+68 LT - 14+82 LT		23.00	0010	01
		16+38 LT - 16+38 RT		34.00	0010	01
				<b>Item 932.0100 Total:</b>	<b>80.00</b>	
123	932.0110	TRANSVERSE PAVEMENT CUT AND MATCH STANDARD 47.1.1 ROADWAY	LF			
		00+56 LT - 00+56 RT		35.00	0010	01
		12+75 RT - 13+01 RT		27.00	0010	01

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172	T20.9906	Cont.				
			Item T20.9906 Total:		**DELETED**	
173	T20.9907	FAST DRYING PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0 WATERBORNE ROADWAY FROM ITEM T20.2022	LF	2.00	0010	01
			Item T20.9907 Total:		**DELETED**	
174	201.9902	HANDLING OF CONTAMINATED PIPE PROJECT WIDE PROJECT WIDE	LF	1,450.00	0010	01
			Item 201.9902 Total:	1,450.00		
175	T20.0820	FAST DRYING WATERBONE PAVEMENT ARROW - STRAIGHT, LEFT, RIGHT, OR COMBINED STANDARD 20.1.0 ROADWAY FROM ITEM T20.2020	EACH	5.00	0010	01
			Item T20.0820 Total:	5.00		
176	T20.0822	FAST DRYING WATERBONE PAVEMENT MARKING WORD "ONLY" STANDARD 20.1.0 ROADWAY FROM ITEM T20.2022	EACH	2.00	0010	01
			Item T20.0822 Total:	2.00		
177	808.9905	CONCRETE SUBSTRUCTURE CLASS MC 3/4" ABUTMENT AND WALL PILE CAPS BRIDGE EAST ABUTMENT NE RETURN WALL NW RETURN WALL SE RETURN WALL	CY	83.00 27.00 27.00 29.00	0010	01

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<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>
177	808.9905 Cont.	SE WALL		56.00	0010	01
		SW RETURN WALL		29.00	0010	01
		SW WALL		55.00	0010	01
		WEST ABUTMENT		83.00	0010	01
<b>Item 808.9905 Total:</b>				<b>389.00</b>		

Hydrographic Survey  
Terrapin Consulting Services

**5. SEQUENCE OF CONSTRUCTION**

All work shall be completed in accordance with the Traffic-Related Work Restrictions indicated in the Transportation Management Plan.

**a. General**

The Contractor shall coordinate his work to ensure that all utility relocations may proceed without delay. The Contractor shall, immediately upon commencing work at the site, perform all work necessary for the preparation of utility company involvement prior to beginning any other work on the project. Such work will include, but not be limited to, site preparation, removal and disposal of trees, traffic control, etc., which involve the relocation of overhead wires. Tree trimming will be performed through the Statewide Tree Trimming contract. The Contractor shall notify the Resident Engineer at least two weeks in advance of when tree trimming is required.

**b. Special Requirements**

The Contractor shall develop and maintain a project schedule in accordance with Section 12.108.03 of the Rhode Island Department of Administration Procurement Regulations and the Specifications – Job Specific.

Interim and Substantial Completion Dates and associated Liquidated Damages are defined in Section 12.108.1000 of the Specifications – Job Specific. The “Interim Completion – Bridge Complete” date defined in this Job Specific Specification is identified in the Quest Lite Bid File as “Phase 2 Completion Date.” Note that “Phase 2 Completion Date” in the Quest Lite Bid File differs from the phases identified as Phases I, II, IIA, III, IV, and V on the Plans and elsewhere in the Contract Documents.

The proposed construction and time schedule must consider and address the safe vehicle and pedestrian passage through the project. This includes traffic on the bridge as well as vessel traffic under the bridge. A safe navigational channel must be maintained at all times during construction as required by the U.S. Coast Guard and the Barrington Harbormaster. This may include, but is not limited to, the installation and maintenance of signs, buoys, and other navigational appurtenances. In addition, a barge placement and operations plan shall be submitted for approval. There will be no additional payment made for this work.

The Contractor shall coordinate the proposed work schedule as stipulated in the permits for this project (see “Environmental Permits” Section). Work within the water will not be permitted from February 1 to June 1 each year. Work within water control structures may take place during this period. However, the installation and removal of these structures will not be permitted during the period.

There will be no winter shutdown period on this Project.

Gas main service shall not be interrupted from October 31 to April 1 for any reason including tie-ins.

No additional payment will be made for material, equipment, labor or incidentals necessary to perform operations during cold weather. Any additional costs associated with cold weather work will be considered incidental to the respective items for which the costs are incurred.

The Contractor shall observe all noise requirements as listed in the *Code of the Town of Barrington*, Chapter 130, "Noise." A copy is provided in Appendix E.

Pile driving will not be permitted from 7:00 PM to 7:00 AM.

All areas open to traffic in which bituminous pavement has been removed shall be paved over by the end of the Friday workday. Paving operations must begin no longer than 72 hours after cold planning or micro milling. Side streets must be paved with the main street to the proposed cut and match lines as noted on the plans so there is no cold joint at the gutter line. Any patching needed on cold planed surfaces which have been open to traffic more than three (3) days will be performed at the Contractor's expense.

In addition to the requirements of the Standard Specifications for Road and Bridge Construction, the Manual on Uniform Traffic Control Devices, 2009 and the special requirements of other sections of this contract document, the Contractor is advised that the signs and other traffic control devices shown on the Traffic Control Plans are minimum requirements. It is the Contractor's responsibility to supplement the plans and specifications as necessary to ensure the public's safety. All Maintenance and Protection of Traffic Devices shall be in place and approved by the Engineer prior to starting construction at a particular location.

Short term bridge closure should only be completed during off-peak times (refer to the Transportation Management Plan for hours). Contractor shall install portable Changeable Message Sign (CMS) at each approach of the bridge three days prior to actual closure of the bridge to notify the public.

The Contractor shall be responsible for identifying schedule-critical submissions and ensuring they are submitted promptly to prevent negative impacts to the schedule.

The Contractor shall allow 5 business days for RIDOT to perform an inspection of the North portion (Phase I) of the proposed structure prior to opening it to traffic. In addition, the Contractor shall notify RIDOT at least 45 days in advance of when the inspection will be required.

Substantial Completion shall include addressing all outstanding items of work identified as a result of the post-construction hydrographic survey.

## **6. STORAGE OF CONSTRUCTION MATERIAL AND/OR EQUIPMENT**

### **Roads with Curbing and Sidewalks:**

No portion of the shoulders and sidewalks are to be used for storage of construction equipment and/or material.

## **7. BLASTING RESTRICTIONS**

No blasting will be allowed on this project.



**JOB SPECIFIC**  
**CODE 12.108.1000**  
**PROSECUTION AND PROGRESS**

In accordance with Section 12.108.08, 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 - Bridge Complete: October 14, 2016

All Contract work as defined by Section 12.101.71, with the exception of the following items:  
Completion of Wetland Mitigation Areas (Massasoit Ave, Virginia Road, & Riverview Drive),  
Installation of Loam & Seed, and the Post-Hydrographic Survey.

Liquidated Damages: \$2,650.00 per calendar day

Note: The "Interim Completion – Bridge Complete" date is identified in the Quest Lite Bid File as "Phase 2 Completion Date." Note that "Phase 2 Completion Date" in the Quest Lite Bid File differs from the phases identified as Phases I, II, IIA, III, IV, and V on the Plans and elsewhere in the Contract Documents.

Substantial Completion: May 18, 2017

All Contract work shall be completed, as defined by Section 12.101.71.

Liquidated Damages: \$900.00 per calendar day

**JOB SPECIFIC**

**CODE 701.9903  
INSTALL 6-INCH DIAMETER GAS MAIN**

**DESCRIPTION:** Work covered under this special provision shall generally consist of installing a 6-inch gas main as shown on the plans and as described in this Special Provision. All work shall be performed in accordance with the relevant provisions of the 2010 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims, the Plans, this Special Provision, and as required by the Engineer.

All work shall be done in accordance with National Grid Specification Sections 100, 200, and 200A and "Guidelines for Backfill and Compaction around Gas Pipes, Permanent Backfill and Compaction" attached to this Special Provision. All work stated throughout these National Grid Specifications and Guidelines 100 will be paid for under Item Code 701.9903.

Except as noted in National Grid Specification Section 100, all work shall be performed by an approved National Grid Rhode Island Contractor. Approved Contractors are as follows:

AGI Construction Inc.  
Mark Albert  
34 Appian Way  
Smithfield, RI 02917  
401-233-0021  
malbert@agiconstruction.com

GPL Construction  
Michael Gaudette  
2612 Victory Highway  
Glendale, RI 02826  
401-568-2810  
mgaudette@gpl-construction.com

All work performed by the Contractor shall be subject to the inspection and final approval of National Grid and the Rhode Island Department of Transportation. The Contractor shall contact and coordinate all work with National Grid:

Mr. Scott Clifford  
Project Manager, Construction  
401-374-8740  
Mr. James M. Paulette  
Project Engineering & Design  
401-465-8580  
c/o The Narragansett Electric Company d/b/a  
National Grid – Gas Division  
40 Sylvan Road  
Waltham, MA 02451  
Telephone (781) 907-2481

**MATERIALS:** Materials provided by National Grid are described in National Grid Specification Section 100. Any materials not provided by National Grid shall be in accordance with the Standard Specifications.

**CONSTRUCTION METHODS:** All construction shall be as shown on the plans and in the Specifications, and shall conform to National Grid Specification Sections 100, 200, and 200A and the relevant provisions of the 2010 Rhode Island Standard Specifications for Road and Bridge Construction, including the latest interims.

**METHOD OF MEASUREMENT:** “Install 6-Inch Diameter Gas Main” will be measured for payment per linear foot as described in Subsection 108 of National Grid Specification Section 100 included with this Special Provision.

**BASIS OF PAYMENT:** The accepted quantity of “Install 6-Inch Diameter Gas Main” will be paid for at the Contract unit price per linear foot as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials not provided by National Grid, tools, equipment, and incidentals required to finish the work as described in National Grid Specification Section 100 included with this Special Provision, complete and accepted by the Engineer and National Grid.

B. The allowable tensile working load on the Helical Anchor shall not exceed the following values:

$$P_{\text{allowt}} = S_{\text{ut}} / \text{FS}$$

Where:

$P_{\text{allowt}}$  = allowable working load in tension (kip) = **25 kips**

$S_{\text{ut}}$  = minimum ultimate tensile strength of central steel shaft segment (at coupling joint) (kip)

FS = factor of safety of suitable for permanent structures = 2.0

C. The ultimate structural capacity for tensile loads shall be determined as follows:

$$P_{\text{ultt}} = S_{\text{ut}}$$

Where:

$P_{\text{ultt}}$  = ultimate structural capacity in tension (kip)

$S_{\text{ut}}$  = Minimum ultimate tensile strength of central steel shaft (kip)

D. Helical Anchor Capacity:

1. The overall length and installed torque of a Helical Anchor shall be specified such that the required in-soil capacity is developed by end-bearing on the helix plate(s) in an appropriate strata(s).
2. The theoretical end-bearing capacity of the helix plates shall be determined using HeliCAP<sup>®</sup> Engineering Software or equal commercially available software. Refer to the borings logs for data required to develop soil parameters (c,  $\phi$ ,  $\gamma$ , or N-values) for use with HeliCAP<sup>®</sup> or equal.

E. The Contractor shall design a coupler to connect the helical pile anchor to the extension rod that extends through the top of the sidewalk as shown on the plans. This coupler shall transmit an allowable working load in tension of **25 kips**.

### SUBMITTALS

The Contractor shall submit the following information to the Engineer for review and approval.

- A. The proposed Subcontractor's qualifications, including a list of at least 10 projects completed within the last five years, along with a list and description of equipment to be used.
- B. Working drawings and design calculations for the Helical Anchor(s) intended for use. All submittals shall be signed and sealed by a Registered Professional Engineer currently licensed in the State of Rhode Island.
- C. Working drawings and design calculations for the Helical-Anchor to extension rod coupler.
- D. Provide field copies of installation records and test reports to the Engineer on a daily basis.
- E. Installation records shall include, but are not limited to, the following information:
  1. Name of project and Contractor
  2. Name of Contractor's supervisor during installation
  3. Date and time of installation
  4. Name and model of installation equipment

- E. If the Helical Anchor is refused or deflected by a subsurface obstruction, the installation shall be terminated and the Anchor removed. The obstruction shall be removed, if feasible, and the Helical Anchor re-installed. If the obstruction can't be removed, the Helical Anchor shall be installed at an adjacent location, subject to review and acceptance of the Engineer.
- F. If the torsional strength rating of the central steel shaft and/or installation equipment has been reached prior to proper positioning of the last plain extension section relative to the final elevation, the Contractor may remove the last plain extension and replace it with a shorter length extension. If it is not feasible to remove the last plain extension, the Contractor may cut said extension shaft to the correct elevation. The Contractor shall not reverse (back-out) the Helical Anchor to facilitate extension removal.
- G. The average torque for the last three feet of penetration shall be used as the basis of comparison with the minimum installation torque as shown on the working drawings. The average torque shall be defined as the average of the last three readings recorded at one-foot intervals.

#### Testing

##### A. Testing Program

- 1. The anchor testing program shall consist of a proof test. Performance testing procedures are NOT REQUIRED for this work. Proof testing procedures are described herein.
- 2. Anchor installations for proof test within each area are indicated on the drawings. These anchors are to be installed, tested, and approved by the Engineer prior to the installation of production anchors within that area. Anchors which are proof tested shall be used as production anchors and incorporated into the retention structure.
- 3. In the event the results of the proof test are unsatisfactory to the Engineer, additional proof tests may be required on a selected basis.
- 4. Upon approval of the proof test, the installation of production anchors may proceed subject to limitations imposed by the Engineer.
- 5. Safety is to be observed during loading the tendon to prevent injury to personnel and damage to property.

##### B. Test Equipment Requirements:

- 1. The test equipment shall be capable of applying a tension load to the anchor equal to 200 percent of the design working load of 25 kips.
- 2. The test equipment shall be capable of increasing or decreasing the applied load incrementally. The incremental control shall be sufficiently sensitive to make the small adjustments necessary to maintain an applied load for a sustained period of time.
- 3. The test equipment shall employ a reaction system suitable for the range of test loads associated with this project. The direction of the applied load shall be collinear with the anchor at all times.
- 4. The test equipment shall include measuring devices sufficient to detect anchor movements of .001 of an inch in a direction collinear with the anchor shaft. Measurements shall be made to the nearest .001 inch.
- 5. The test equipment shall be maintained in good working order to operate at all times.

- E. The Contractor shall perform three (3) static pile load tests in accordance with section 804.03.9-3, "Method C - Static Pile Load Tests" of the standard specifications. One pile at each of the West Abutment, Pier no. 3, and the East Abutment. The specific pile to be tested at each of these locations shall be at the discretion of the contractor subject to the approval of the engineer. Static load tests will be paid for under Item Code 804.1720.
- F. The test piles shall be restruck a minimum of one day following the initial test pile installation in order to determine if the test pile has gained or lost strength. In accordance with RIDOT Specification Section 800.03.13g, any pile which heaves more than ¼ inch shall be redriven to the required driving resistance.
- G. The installation of production piles may proceed prior to completing the pile load tests provided the Contractor accepts all risk associated with this action. The Contractor shall be responsible for all modifications necessary to the advanced work as required by the pile load test results at no additional cost to the State.
- H. The Contractor shall deliver piles to the site with total lengths at least 10 feet longer than estimated. No additional payment will be made for additional lengths furnished but not installed.
- I. Pile sections shall be furnished in lengths no less than 40'-0". Piles shall be spliced in accordance with section 804.03.8 "Splices And Splicing Piles" of the Standard Specifications.
- J. All welding shall be in accordance with the latest ANSI/AASHTO/AWS D1.5 Bridge Welding Code.
- K. The pier piles shall be coated with 24 mil thickness of coal tar epoxy from the pile cut-off to at least 10 feet below the mudline. All other piles shall be coated with 24 mil thickness of coal tar epoxy from the pile cut-off to at least 10 feet below the bottoms of the pile caps. The Contractor shall be responsible for providing sufficient coated lengths of piles to ensure the required limits are met regardless of the actual installed pile length. The coating shall be in accordance with Special Provision 804.9900 "Pile Coating System."
- L. Test piles may be incorporated in the final work in accordance with Standard Specifications Section 809.03.13d "Utilization of Preliminary Test Piles and Loaded Test Piles." Test piles shall not be filled with concrete until all testing is complete and accepted by the Engineer.

**METHOD OF MEASUREMENT:** "Concrete Filled 14-Inch Pipe Piles," and "Concrete Filled 26-Inch Pipe Piles," will be measured by the linear foot of pile actually placed in accordance with Section 804.04 "Method of Measurement" of the Standard Specifications."

"Pile Cutoffs" will be measured by the number of piles actually cut off in accordance with Section 804.04 "Method of Measurement" of the Standard Specifications."

**BASIS OF PAYMENT:** The accepted quantities of "Concrete Filled 14-Inch Pipe Piles," and "Concrete Filled 26-Inch Pipe Piles," will be paid for at the Contract unit price per linear foot in accordance with Section 804.05 "Basis of Payment" of the Standard Specifications." All concrete, reinforcing (excluding dowels into the pile caps), and pile coating shall be considered included in payment under these items.

The accepted quantity of "Pile Cutoffs" paid for at the Contract unit price per each as listed in the proposal. The price so-stated constitutes full and complete compensation for all labor, materials, equipment, and all other incidentals required to finish the work, complete and accepted by the Engineer.

**JOB SPECIFIC**  
**CODE 601**  
**PORTLAND CEMENT CONCRETE**

Unless otherwise modified elsewhere in the Contract Documents, Section 601 of the Rhode Island Standard Specifications for Road and Bridge Construction is revised as follows:

Delete the third paragraph of subsection 601.01.1, and replace it with the following:

The classes of concrete required for the particular work, unless otherwise indicated or superseded by Special Provisions or the plans, are shown in Table 1. All concrete mixes are subject to the approval of the Engineer. The minimum compressive strength of each class of concrete shall be as listed in Table 2 or as specified by the Special Provisions or the Plans.

Delete Table 1 included subsection 601.01.1 Classifications in its entirety and replace it with the following:

**Table 1**

(Refer to the plans and special provisions for specific concrete component classes not listed)

Class of Concrete	General Classification of Work	
HP	Structural & Prestressed/Precast Elements:	5,000 psi – all concrete except as noted otherwise 8,000 psi – NEXT beams
MC	Structural Elements:	5,000 psi – all pile caps (abutments, walls, and piers) and abutment stems
XX	Precast Elements:	
	Structural Elements:	Approach slabs, 14"Ø pipe pile fill
	Miscellaneous:	With 20% pollozans – bridge sidewalk
A	Miscellaneous & General Use:	
Z	Precast Elements:	
B	General Use:	

Note 1: Aggregate and concrete prequalification testing will not be required for the following incidental concrete items - Flared Ends, Highway Bounds, Fence Post Footings, Guardrail Anchorage, Unreinforced Footings, Paved Waterways, Thrust Blocks, Precast Elements for Collars, Catch Basins, Manholes, Drop Inlets, Sumps, Electrical Handholes, Curbing, Pipes, Headwalls, Endwalls, High Capacity Inlets, Pipe, Manholes, Drop Inlets, Temporary Traffic Barriers and other miscellaneous use not otherwise specified.

12. The following soil parameters were used by the wall designer for the permanent sheeting and are provided for information only. They are not intended to be used for temporary structures to be designed by the Contractor.

Insitu Granular Fill:

$$\begin{aligned}\gamma_m &= 112.0 \text{ pcf} \\ \gamma_{\text{sat}} &= 125.0 \text{ pcf} \\ \gamma' &= 60.1 \text{ pcf (Buoyant Unit Weight)} \\ \phi &= 30^\circ \\ \delta \text{ (Soil on Steel)} &= 20^\circ\end{aligned}$$

Medium Dense to Dense Silt:

$$\begin{aligned}\gamma_m &= 103.0 \text{ pcf} \\ \gamma_{\text{sat}} &= 118.0 \text{ pcf} \\ \gamma' &= 54.1 \text{ pcf (Buoyant Unit Weight)} \\ \phi &= 30^\circ \\ \delta \text{ (Soil on Steel)} &= 20^\circ\end{aligned}$$

13. Equipment Surcharge:

Temporary earth support located within 10 feet of a crane location shall be designed for the anticipated crane pressure or a minimum equipment surcharge of 665 psf, whichever is larger.

14. Traffic loading and Surcharge:

Temporary earth support located within 5 feet of a traffic lane to be maintained during construction shall be designed for a surcharge of 250 psf. Temporary earth support located 1 foot or less from the back face of a traffic barrier shall also be designed for a crash load of 10 kips applied 3 feet above the roadway surface.

15. Should the Contractor's temporary earth support and cofferdam system differ from the concept shown on these Plans, or exceed the limits shown on the plan in any dimension, the proposed methods will require that the Contractor submit the proposed changes to CRMC and RIDEM for review and written approval prior to acceptance of the Contractor's proposed methods. Should the Contractor elect to pursue such a method, this will be at the sole expense of the Contractor, and the Contractor acknowledges that review by CRMC and RIDEM is not subject to the contract specified time frames for shop drawing review.

16. Closure details at the interface between the existing and proposed abutments shall be included in this Item.

**METHOD OF MEASUREMENT:** "Temporary Earth Support" will be measured for payment as a Lump Sum.

**BASIS OF PAYMENT:** The accepted quantity of "Temporary Earth Support" will be paid for at the contract Lump Sum price as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials, tools, and equipment including design, shop drawings, fabrication, installation, maintenance, and removal as required to complete the bridge construction, and all other incidentals required to finish the work, complete and accepted by the Engineer. Obstruction removal shall be considered incidental to this Item. However, excavation to remove obstructions for permanent sheeting incorporated in the temporary earth support will be paid for under Item Codes 203.0100 and 203.0203. Excavation to remove obstructions for other, non-permanent portions of the temporary earth supports will remain incidental to Item Code 805.9901.

2. **Scope.** This procedure is applicable to the excavation and backfilling during construction. The Contractor is required to record and report the results of all completed Quality/Process Control sampling and testing. The Engineer shall be immediately informed of Quality/Process Control field soil results as they are completed otherwise copies of the Quality/Process Control sampling and testing results shall be provided to the Engineer within 24 hours or as directed by the Engineer. All off-site testing shall be performed by an AASHTO Accredited laboratory.

### 3. Requirements

**3.1 General.** The Contractor shall provide and maintain a quality control system that will provide reasonable assurance that all materials and products will conform to the Contract requirements, whether manufactured or processed, by the Contractor, or procured from suppliers or subcontractors or vendors.

The Contractor shall perform, or have performed, the inspections and tests required to substantiate product conformance to Contract document requirements and shall also perform, or have performed, all inspections and tests otherwise required by the Contract. The testing frequencies shall meet or exceed those shown in Section C. Acceptance – Sampling & Testing.

The Contractor's quality control inspections and tests shall be documented and shall be available for review by the Engineer throughout the life of the Contract. The Contractor shall maintain standard equipment and qualified personnel as required by the Specifications to assure conformance to contract requirements. Procedures will be subject to the approval of the Engineer before the work is started.

Failure to comply with the provisions of this section may result in the Contractor's operations being shut down until they are in compliance with these requirements. There shall be no claims for additional payment by the Contractor nor will there be an extension of the project Completion Dates for delays resulting from the shut down of operations and the Contractor's obligation for compliance with these requirements.

**3.2 Contractor's Quality Control Plan (QCP).** The Contractor shall prepare a Quality Control Plan detailing the type and frequency of inspection, sampling and testing deemed necessary to measure and control the various properties of materials and construction governed by the Specifications. As a minimum, the sampling and testing plan shall detail sampling location(s), tests to be performed and techniques, test frequency to be utilized, and details of stockpile management. The Quality Control Plan shall be submitted in writing to the Engineer for approval a minimum of 30 days prior to starting the Work.

The Contractor shall employ a Quality Control Plan Administrator who must meet one or more of the following criteria: a professional engineer with a minimum of five (5) years experience in soil management, an individual certified by the National Institute for Certification of Engineering Technologies (NICET) at Level III or above for soils, or a North East Transportation Training and Certification Program (NETTCP) QA Technologist.

All sampling and testing of soils on the Project must be performed by qualified personnel. An individual may be deemed qualified if certified by either the National Institute for Certification of Engineering Technologies (NICET) or the North East Transportation Training and Certification Program (NETTCP) or provide documented adequate education and experience for approval by the Engineer.

**CONCRETE:**

- \* CLASS XX f'c = 4,000 PSI (APPROACH SLABS, 14"Ø PIPE PILE FILL)
- \* CLASS XX f'c = 4,000 PSI WITH 20% POZZOLANS (BRIDGE SIDEWALKS)
- \* CLASS HP f'c = 5,000 PSI (ALL CONCRETE EXCEPT AS NOTED OTHERWISE)
- \* CLASS HP f'c = 8,000 PSI (NEXT BEAMS)
- \* CLASS MC f'c = 5,000 PSI (MASS CONCRETE AS IDENTIFIED BELOW)



THE FOLLOWING COMPONENTS SHALL BE CONSIDERED MASS CONCRETE AND WILL BE SUBJECT TO THE REQUIREMENTS OF SPECIAL PROVISION 607 "MASS CONCRETE":

- \* ALL PILE CAPS (ABUTMENTS, WALLS, AND PIERS)
- \* ABUTMENT STEMS



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**BRIDGE NOTES - 1**

R.I. CONTRACT  
No.  
**2012-CB-001**

SKETCH  
No.  
**8**

6/17/13

ADDENDUM No. 2

REVISION TO SHEET 35 of 103

**CONCRETE NOTES**



1. CLASSES OF CONCRETE SHALL BE HIGH PERFORMANCE CLASS HP, CLASS MC, AND CLASS XX AS DESCRIBED IN THE RI STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS OF THE SPECIFICATIONS. REFER TO THE "MATERIAL" NOTES OF THE "BRIDGE NOTES - 1" SHEET FOR CLASSES OF CONCRETE SPECIFIED FOR VARIOUS COMPONENTS.



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**BRIDGE NOTES - 2**

R.I. CONTRACT  
No.  
**2012-CB-001**

SKETCH  
No.  
**9**

6/17/13

ADDENDUM No. 2

REVISION TO SHEET 36 of 103

CONCRETE DIRECTLY EXPOSED TO SALT WATER

4"

DECK SLABS (EXPOSED DECKS)

TOP 3" (+1/4", -0")  
BOTTOM 1" (+1/8", -0")

ALL OTHER BARS

2"

COVER TO TIES AND STIRRUPS MAY BE 0.5 INCH LESS THAN THE ABOVE VALUES SPECIFIED FOR MAIN REINFORCING, BUT IN NO CASE LESS THAN 1.5 INCHES.

8. 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.

9. THE BOTTOMS AND EXTERIOR VERTICAL SURFACES OF THE FASCIA BEAMS ALONG WITH ALL RETURN WALL, SOUTHWEST WALL, AND SOUTHEAST WALL SURFACES VISIBLE IN ELEVATION TO ONE FOOT BELOW FINAL GROUND LINE SHALL RECEIVE A CONCRETE SURFACE SANDBLASTED FINISH IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS EXCEPT AS FOLLOWS:

- THE SANDBLASTING IS INTENDED SOLELY TO REMOVE ANY STAINING, LATENCY, FINIS, FORM MARKS, AND OTHER DISCONTINUITIES TO LEAVE A UNIFORM CONCRETE APPEARANCE, AND NOT TO CREATE AN EXPOSED AGGREGATE FINISH. THE INTENSITY OF THE SANDBLASTING SHALL BE AS REQUIRED TO ACHIEVE THIS UNIFORM FINISH.

- AS PART OF THE TEST PANEL DESCRIBED IN THE RI STANDARD SPECIFICATIONS, THE CONTRACTOR SHALL INCLUDE A SUFFICIENT ENOUGH AREA OF THE PROPOSED FORMLINER FINISH TO DEMONSTRATE THE PROPOSED SANDBLASTING METHOD'S EFFECT ON THE FORMLINER FINISH.

ALL OTHER EXPOSED CONCRETE SURFACES VISIBLE IN ELEVATION TO ONE FOOT BELOW FINAL GROUND LINE SHALL RECEIVE A CONCRETE SURFACE RUBBED FINISH IN ACCORDANCE WITH THE RI STANDARD SPECIFICATIONS.

10. THE ENTIRE TOPSIDE SURFACES OF ABUTMENT AND PIER CAP BEAM SEATS, AS WELL AS VERTICAL FACES OF BACKWALLS AND PIER CAPS, SHALL BE PROVIDED WITH A FILM-FORMING SEALED (M1102 03 1) CONCRETE SURFACE TREATMENT-PROTECTIVE COATING IN ACCORDANCE



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## BRIDGE NOTES - 2

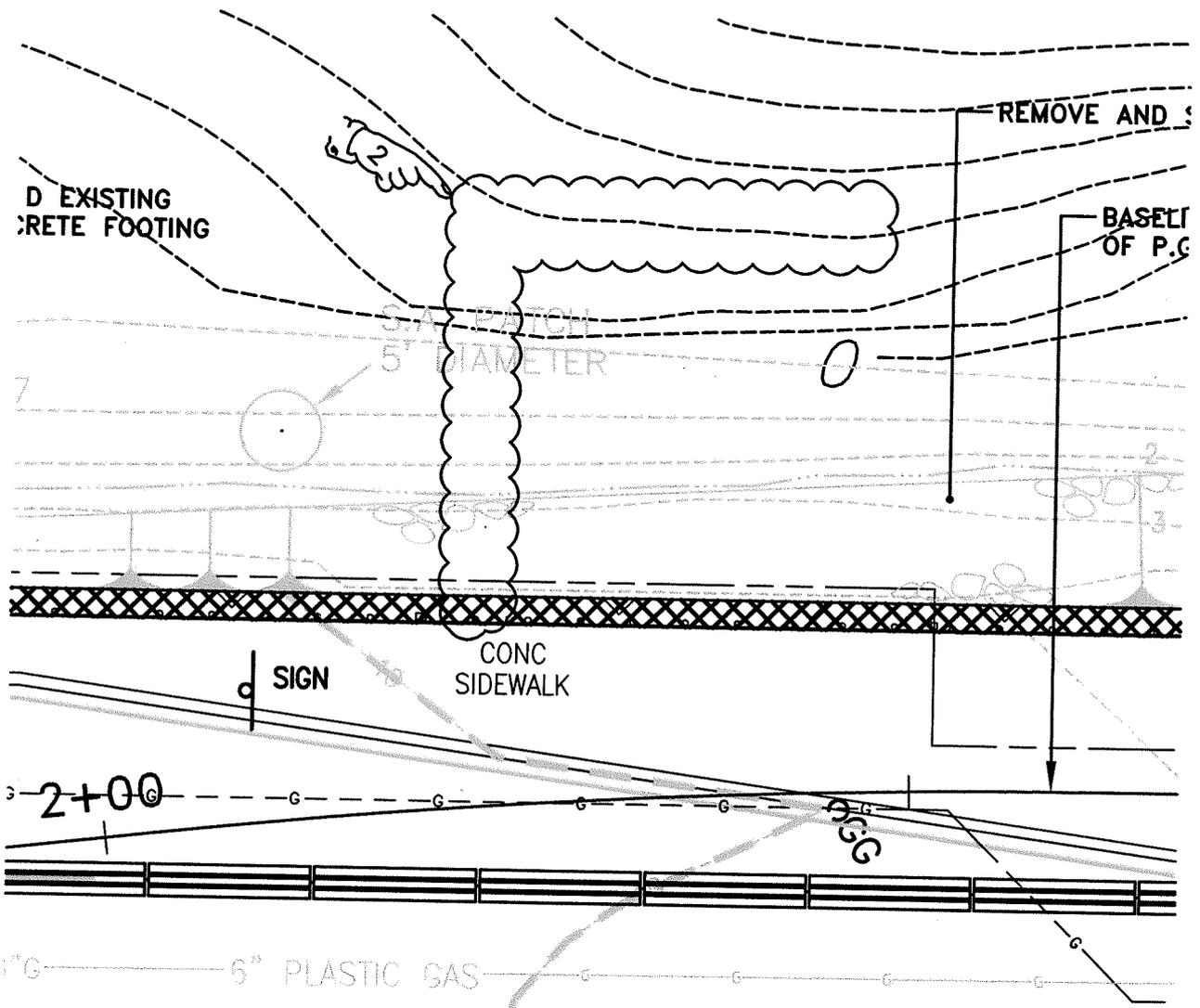
R.I. CONTRACT  
No.  
**2012-CB-001**

SKETCH  
No.  
**10**

6/19/13

ADDENDUM No. 2

REVISION TO SHEET 36 of 103



 <p>PARE CORPORATION ENGINEERS - SCIENTISTS - PLANNERS 8 BLACKSTONE VALLEY PLACE LINCOLN, RI 02883 401-334-4100</p>	<p><b>BRIDGE DEMOLITION PLAN - 1</b></p>	<p>R.I. CONTRACT No. <b>2012-CB-001</b></p>	<p>SKETCH No. <b>11</b></p>
<p>6/14/13</p>	<p>ADDENDUM No. 2</p>	<p>REVISION TO SHEET 37 of 103</p>	

9. THE CONTRACTOR SHALL PERFORM THREE (3) STATIC PILE LOAD TESTS IN ACCORDANCE WITH SECTION 804.03.9-3, "METHOD C - STATIC PILE LOAD TESTS" OF THE STANDARD SPECIFICATIONS. ONE PILE AT EACH OF THE WEST ABUTMENT, PIER NO. 3, AND THE EAST ABUTMENT. THE SPECIFIC PILE TO BE TESTED AT EACH OF THESE LOCATIONS SHALL BE AT THE DISCRETION OF THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE ENGINEER. LOAD TESTS WILL BE PAID FOR UNDER ITEM CODE 804.1720.

16. TEST PILES MAY BE INCORPORATED IN THE FINAL WORK IN ACCORDANCE WITH STANDARD SPECIFICATIONS SECTION 809.03.13d "UTILIZATION OF PRELIMINARY TEST PILES AND LOADED TEST PILES." TEST PILES SHALL NOT BE FILLED WITH CONCRETE UNTIL ALL TESTING IS COMPLETE AND ACCEPTED BY THE ENGINEER.



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**PILE DETAILS**

R.I. CONTRACT  
No.  
**2012-CB-001**

SKETCH  
No.  
**12**

6/17/13

ADDENDUM No. 2

REVISION TO SHEET 51 of 103

TOP SAWED OR TOOL DRESSED  
TO 1/8" (±) VARIATION

FACE DRESSED  
FULL DEPTH

TOP OF  
WEARING SURFACE

GRAVEL

6"

2 1/2"  
1/2" CHAMFER

8" 1" HOLE

5" MIN.  
7" MAX.

1/4"x1/2" POLYURETHANE  
SEALANT FULL LENGTH

TOP OF MOMENT SLAB

3" DRESSED

#6 REINFORCING BAR  
ANCHOR-3 PER STONE

6" x 20" GRANITE  
CURB AT MOMENT SLAB

SCALE: 1 1/2" = 1'-0"



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**CURB AND  
RIPRAP DETAILS**

R.I. CONTRACT  
No.  
**2012-CB-001**

SKETCH  
No.  
**13**

6/17/13

ADDENDUM No. 2

REVISION TO SHEET 74 of 103