June 23, 2016

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7550627

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO.2016-CB-008

FEDERAL-AID PROJECT NO. FAP Nos: BRO-0792(002)

CAPRON ROAD BRIDGE NO 792 (70A)

Capron Road Sta. 1+50 to Sta. 6+00

CITY/TOWN OF Smithfield

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

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

A. Clarification

1. Pre-Bid Conference Sign-In Sheet

   The sign-in sheet from the June 14, 2016 Pre-Bid Conference is attached to this Addendum No. 1. Plesae note that the date on the sign-in sheet reads June 7, 2016, but the Prebid-Conference was held on June 14, 2016.

2. Disadvantaged Business Enterprise (DBE) Requirements

   In accordance with the Contract Documents, only firms certified as a Rhode Island DBE will be counted towards the stated DBE goal.

3. Sequence of Construction

   Paragraph 6.E of the General Provisions/Contract Specific states that there will be no winter shutdown on this Project. Paragraph 6.L states that the bridge may not be closed to traffic before February 20, 2017. The Contractor may perform winter work prior to this date provided that this work does not require implementation of the detour.

4. Clearing and Grubbing/Tree Removal

   The Contractor shall be aware that there is poison ivy and other hazardous plants within the project limits. The Contractor shall take appropriate precautions to prevent injury due to contact with these plants. No additional payment will be made for implementing these precautions.

B. Federal Wage Rates

1. Federal Wage Rates

   Replace the Federal Wage Rates dated 5/6/2016 with the Federal Wage Rates dated 6/17/2016 attached to this Addendum No. 1.

C. General Provisions - Contract Specific

1. Brief Scope of Work

   Replace Page CS-1 with Page CS-1(R-1) attached to this Addendum No. 1. Reference to the relocation of overhead utility work has been revised.

2. Utility and Municipal Notification and Coordination

   Replace Page CS-2 with Page CS-2(R-1) attached to this Addendum No. 1. Reference to the relocation of overhead utility work has been revised.

3. Utility Contact Information

   Replace Page CS-3 with Page CS-3(R-1) attached to this Addendum No. 1. The address for the Verizon utility contact has been updated.

4. Sequence of Construction

   Replace Page CS-4 with Page CS-4(R-1) attached to this Addendum No. 1. Reference to tree trimming for the relocation of overhead utility work has been revised.

5. Small Site Stormwater Pollution Prevention Plan (SWPPP)

   Replace Pages 4 and 5 of the SWPPP with Pages 4(R-1) and 5(R-1) attached to this Addendum No. 1. Reference to water main work has been removed.

D. Specifications - Job Specific

1. Index

   Replace Page JS-i with Page JS-i(R-1) attached to this Addendum No. 1. The Index has been updated.

2. Section 109.04

   Replace Pages JS-4 through JS-7 with Pages JS-4(R-1) through JS-7(R-1) attached to this Addendum No. 1. This section has been removed from the Specifications - Job Specific. It is included in the "Compilation of Approved Specifications" dated April 2016.

3. Code 800.9901 Capron Road Bridge No. 792

   Replace Page JS-14 with Page JS-14(R-1) attached to this Addendum No. 1. This Special Provision has been updated to clarify payment for bituminous concrete pavement and approach sidewalks.

4. Code 938.1000 Price Adjustments

   Replace Page JS-23 with Page JS-23(R-1) attached to this Addendum No. 1. Price adjustments have been updated.

E. Distribution of Quantities

1. INDEX

   Replace Index: 1 and Index: 2 of the Distribution of Quantities with Index: 1(R-1) and Index: 2(R-1) attached to this Addendum No. 1.

2. 213.0100 - PLACEMENT OF MILLINGS BENEATH GUARDRAIL

   Replace Page 5 of 18 and Page 6 of 18 of the Distribution of Quantities with Page 5(R-1) of 19 and Page 6(R-1) of 19 attached to this Addendum No. 1. This item has been deleted.

3. 702.9901 - SOLID BLOCK SHALLOW 5'-0" SQUARE MANHOLE

   Replace Page 9 of 18 of the Distribution of Quantities with Page 9(R-1) of 19 attached to this Addendum No. 1. This item has been deleted.

4. 903.9901 - TEMPORARY CHAIN LINK FENCE, 6 FEET HIGH

   Replace Pages 11 of 18 and 12 of 18 of the Distribution of Quantities with Pages 11(R-1) of 19 and 12(R-1) of 19 attached to this Addendum No. 1. This item has been deleted.

5. 903.9902 - TEMPORARY CHAIN LINK FENCE GATE, 6 FEET HIGH, 12 FEET WIDE

   Replace Page 12 of 18 of the Distribution of Quantities with Page 12(R-1) of 19 attached to this Addendum No. 1. This item has been deleted.

6. L01.0102 - LOAM BORROW 4 INCHES DEEP

   Replace Page 17 of 18 of the Distribution of Quantities with Page 17(R-1) of 19 and add Page 17a of 19 attached to this Addendum No. 1. The quantity has been revised.

7. L02.0102 - RESIDENTIAL SEEDING (TYPE 2)

   Replace Page 17 of 18 of the Distribution of Quantities with Page 17(R-1) of 19 and add Page 17a of 19 attached to this Addendum No. 1. The quantity has been revised.

8. 903.0410 - TEMPORARY CHAIN LINK FENCE

   Replace Page 18 of 18 of the Distribution of Quantities with Page 18(R-1) of 19 and add Page 19 of 19 attached to this Addendum No. 1. This item has been added.

9. 903.0411 - TEMPORARY CHAIN LINK GATE

   Add Page 19 of 19 attached to this Addendum No. 1. This item has been added.

F. Plans

1. Cover Sheet

   Replace the "Cover Sheet" plan sheet with the "Cover Sheet"(R-1) plan sheet attached to this Addendum No. 1. The Pavement Composition has been updated.

2. Job Specific Plan Symbols, Legend & Notes

   Replace the “Job Specific Plan Symbol, Legend & Notes” plan sheet with the “Job Specific Plan Symbol, Legend & Notes”(R-1) plan sheet attached to this Addendum No. 1. The pavement composition has been revised and Note 8 has been revised.

3. General Plan and Profile

   Replace the "General Plan and Profile" plan sheet with the "General Plan and Profile"(R-1) plan sheet attached to this Addendum No. 1. The millings under guardrail have been removed; loam and seed shall now be placed under the guardrail. Note 1 has been revised.

4. Drainage and Utility Plan

   Replace the "Drainage and Utility Plan" sheet with the "Drainage and Utility Plan"(R-1) sheet attached to this Addendum No. 1. The type of drain pipe from CB-4 to OCS-1 has been revised to RCP Class IV.

5. Details - 2

   Replace the "Details - 2" plan sheet with "Details - 2"(R-1) plan sheet attached to this Addendum No. 1. The plan has been revised.

G. Contract Dates

1. Bid-Opening Date

   The Bid-Opening Date has been changed to 07/06/2016.

David W. Fish

RI Department of Transportation
Chief Engineer

State of Rhode Island

Division of Purchases

One Capitol Hill

Providence, RI 02908

"NON-MANDATORY" PRE BID CONFERENCE SIGN IN SHEET

BID NUMBER:	7550627
BID TITLE:	2016-CB-008 Capron Road Bridge No. 792
PRE BID DATE & TIME:	June 7, 2016 9AM

Purchasing Representative: —

Pre Bid START TIME: 9:03

Pre Bid END TIME: 9:16

PLEASE PRINT

	COMPANY NAME	COMPANY REPRESENTATIVE	ADDRESS	CONTACT E-MAIL	CONTACT PHONE NUMBER
1	RIDOT	NATHAN SHAPIRO	2 Capitol Hill Prov	NATHAN.SHAPIRO@dot.RI.GOV	X4410
2	RIDOT-Bridge	Michael Savella	" "	michael.savella@dot.ri.gov	X4080
3	John Rocchio Corp	Bob Pion	Smithfield RI	michael Sarrasin@johnrocchio.com	949-5565
4	D'AMBRA	Rob LaQuay	800 Jefferson St	[illegible]	737 1300
5	PARE CORPORATION	KEITH MACDONALD	8 BLACKSTONE VALLEY PL. LINCOLN, RI	kmacdonald@parecorp.com	401-334-4100
6	PARE CORPORATION	DAVID ELWELL	"	delwell@parecorp.com	"
7	RIDOT	Ben Licht	2 capitol Hill Prov.	benlicht@yahoo-com	x4403
8					
9					
10					
11					
12					
13					
14					
15					

General Decision Number: RI160001 06/17/2016 RI1

Superseded General Decision Number: RI20150001

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

Note: Under Executive Order (EO) 13658, an hourly minimum wage of $10.15 for calendar year 2016 applies to all contracts subject to the Davis-Bacon Act for which the solicitation was issued on or after January 1, 2015. If this contract is covered by the EO, the contractor must pay all workers in any classification listed on this wage determination at least $10.15 (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in calendar year 2016. The EO minimum wage rate will be adjusted annually. Additional information on contractor requirements and worker protections under the EO is available at www.dol.gov/whd/govcontracts.

Modification Number	Publication Date
0	01/08/2016
1	01/15/2016
2	01/29/2016
3	02/12/2016
4	02/19/2016
5	03/04/2016
6	03/11/2016
7	04/01/2016
8	05/06/2016
9	06/03/2016
10	06/10/2016
11	06/17/2016

ASBE0006-006 06/01/2015

	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)	$ 31.63	18.30

ASBE0006-008 09/01/2015

	Rates	Fringes
Asbestos Worker/Insulator Includes application of all insulating materials, protective coverings, coatings & finishes to all types of mechanical systems	$ 39.43	25.65

* BOIL0029-001 01/01/2016

	Rates	Fringes
BOILERMAKER	$ 41.62	24.42

BRRI0003-001 06/01/2016

	Rates	Fringes
Bricklayer, Stonemason, Pointer, Caulker & Cleaner	$ 37.38	24.73

* BRRI0003-002 03/01/2016

	Rates	Fringes
Marble Setter, Terrazzo Worker & Tile Setter	$ 36.29	25.70

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* BRRI0003-003 03/01/2016

	Rates	Fringes
Marble, Tile & Terrazzo Finisher	$ 30.61	24.45

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* CARP0094-001 06/06/2016

	Rates	Fringes
CARPENTER (Includes Soft Floor Layer)	$ 34.91	25.85
Diver Tender	$ 35.91	25.85
DIVER	$ 46.71	25.85
Piledriver	$ 34.91	25.85
WELDER	$ 35.91	25.85

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.

CARP1121-002 10/01/2015

	Rates	Fringes
MILLWRIGHT	$ 34.47	26.38

ELEC0099-002 06/01/2016

	Rates	Fringes
ELECTRICIAN	$ 36.83	58.39%
Teledata System Installer	$ 27.62	13.42%+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.

ELEV0039-001 01/01/2016

	Rates	Fringes
ELEVATOR MECHANIC	$ 47.37	29.985+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.

ENGI0057-001 05/31/2016

	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	$ 36.15	24.85+a
GROUP 2	$ 31.77	24.85+a
GROUP 3	$ 28.92	24.85+a
GROUP 4	$ 35.20	24.85+a
GROUP 5	$ 26.00	24.85+a
GROUP 6	$ 20.00	24.85+a
GROUP 7	$ 31.85	24.85+a
GROUP 8	$ 35.77	24.85+a

a. BOOM LENGTHS, INCLUDING JIBS:

150 feet and over + $ 2.00
180 feet and over + $ 3.00
210 feet and over + $ 4.00
240 feet and over + $ 5.00
270 feet and over + $ 7.00
300 feet and over + $ 8.00
350 feet and over + $ 9.00
400 feet and over + $10.00

a. 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.

a. FOOTNOTES:
Hazmat work: $2.00 per hour additional.
Tunnel/Shaft 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, graders, front end loader (3 yds. and over), vibratory hammer & vacuum truck, roadheaders, 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, bobcats, skid steer loader, tractor, 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: Utility Engineers and Signal Persons

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

GROUP 8: Boat & tug operator.

ENGI0057-002 05/02/2016

	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	$ 31.30	24.85+a
GROUP 2	$ 26.00	24.85+a
GROUP 3	$ 20.00	24.85+a
GROUP 4	$ 26.58	24.85+a
GROUP 5	$ 30.28	24.85+a
GROUP 6	$ 29.90	24.85+a
GROUP 7	$ 25.55	24.85+a
GROUP 8	$ 26.93	24.85+a
GROUP 9	$ 28.88	24.85+a

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

a. 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: Well point installation crew

GROUP 3: Utlity engineers and signal persons

GROUP 4: Oiler on cranes

GROUP 5: Combination loader backhoe, front end loader (less than 3 yds.), forklift, bulldozers & scrapers and boats

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

ENGI0057-003 05/31/2016

BUILDING CONSTRUCTION

	Rates	Fringes
Power Equipment Operator		
GROUP 1	$ 35.42	24.85+a
GROUP 2	$ 35.20	24.85+a
GROUP 3	$ 31.20	24.85+a
GROUP 4	$ 28.35	24.85+a
GROUP 5	$ 34.50	24.85+a
GROUP 6	$ 34.07	24.85+a
GROUP 7	$ 31.39	24.85+a

a.BOOM LENTHS, INCLUDING JIBS:

150 ft. and over: + $ 2.00
180 ft. and over: + $ 3.00
210 ft. and over: + $ 4.00
240 ft. and over: + $ 5.00
270 ft. and over: + $ 7.00
300 ft. and over: + $ 8.00
350 ft. and over: + $ 9.00
400 ft. and over: + $10.00

a. 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.

a. FOOTNOTE: Hazmat work: $2.00 per hour additional.
Tunnel/Shaft work: $5.00 per hour additional.

POWER EQUIPMENT OPERATORS CLASSIFICATIONS

GROUP 1: Digging machine, Ross carrier, crane, boomtrucks, 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,bobcats, 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 03/16/2016

	Rates	Fringes
IRONWORKER	$ 34.01	25.22

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* LABO0271-001 06/05/2016

BUILDING CONSTRUCTION

	Rates	Fringes
LABORER		
GROUP 1	$ 29.20	23.80
GROUP 2	$ 29.45	23.80
GROUP 3	$ 29.95	23.80
GROUP 4	$ 30.20	23.80
GROUP 5	$ 31.20	23.80

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 06/05/2016

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
LABORER		
COMPRESSED AIR		
Group 1	$ 46.63	21.80
Group 2	$ 36.15	21.80
Group 3	$ 48.63	21.80
FREE AIR		
Group 1	$ 38.70	21.80
Group 2	$ 36.15	21.80
Group 3	$ 40.70	21.80
LABORER		
Group 1	$ 29.20	21.80
Group 2	$ 29.45	21.80
Group 3	$ 30.20	21.80
Group 4	$ 22.70	21.80
Group 5	$ 31.20	21.80
OPEN AIR CAISSON, UNDERPINNING WORK AND BORING CREW		
Bottom Man	$ 35.20	21.80
Top Man & Laborer	$ 34.25	21.80
TEST BORING		
Driller	$ 35.65	21.80
Laborer	$ 34.25	21.80

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

PAIN0011-005 06/01/2015

	Rates	Fringes
PAINTER		
Brush, Roller, Taper, Wall Coverer	$ 31.52	19.35
Epoxy, Tanks, Towers, Swing Stage & Structural Steel	$ 33.52	19.35
Spray, Sand & Water Blasting	$ 32.52	19.35

PAIN0011-006 06/01/2016

	Rates	Fringes
GLAZIER	$ 35.58	20.15

FOOTNOTES:

SWING STAGE: $1.00 per hour additional.

PAID HOLIDAYS: Labor Day & Christmas Day.

PAIN0011-011 06/01/2016

	Rates	Fringes
Painter (Bridge Work)	$ 46.95	20.15

PAIN0035-008 06/01/2011

	Rates	Fringes
Sign Painter	$ 24.79	13.72

PLAS0040-001 12/01/2015

BUILDING CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 32.30	26.20
PLASTERER	$ 33.00	25.50

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.

PLAS0040-002 07/19/2015

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER	$ 29.10	20.95

PLUM0051-002 03/01/2016

	Rates	Fringes
Plumbers and Pipefitters	$ 37.38	28.20

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* ROOF0033-004 06/01/2016

	Rates	Fringes
ROOFER	$ 34.03	22.34

SFRI0669-001 01/01/2016

	Rates	Fringes
SPRINKLER FITTER	$ 41.37	20.77

SHEE0017-002 06/01/2016

	Rates	Fringes
Sheet Metal Worker	$ 34.46	33.53

TEAM0251-001 08/01/2015

HEAVY AND HIGHWAY CONSTRUCTION

	Rates	Fringes
TRUCK DRIVER		
GROUP 1	$ 26.71	21.3225+A+B+C
GROUP 2	$ 26.86	21.3225+A+B+C
GROUP 3	$ 26.91	21.3225+A+B+C
GROUP 4	$ 26.96	21.3225+A+B+C
GROUP 5	$ 27.06	21.3225+A+B+C
GROUP 6	$ 27.46	21.3225+A+B+C
GROUP 7	$ 27.66	21.3225+A+B+C
GROUP 8	$ 27.16	21.3225+A+B+C
GROUP 9	$ 27.41	21.3225+A+B+C
GROUP 10	$ 27.21	21.3225+A+B+C

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.

C. Employees on the seniority list shall be paid a one hundred dollar ($100.00) bonus for every four hundred (400) hours worked, up to a maximum of five hundred dollars ($500.00)

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

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)).

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 a union rate (current union negotiated rate for local), a survey rate (weighted average rate) or a union average rate (weighted union average rate).

Union Rate Identifiers

A four letter classification abbreviation identifier enclosed in dotted lines beginning with characters other than "SU" or "UAVG" denotes that the union classification and rate were prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2014. PLUM is an abbreviation identifier of the union which prevailed in the survey for this classification, which in this example would be Plumbers. 0198 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. 07/01/2014 is the effective date of the most current negotiated rate, which in this example is July 1, 2014.

Union prevailing wage rates are updated to reflect all rate changes in the collective bargaining agreement (CBA) governing this classification and rate.

Survey Rate Identifiers

Classifications listed under the "SU" identifier indicate that no one rate prevailed for this classification in the survey and the published rate is derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As this weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SULA2012-007 5/13/2014. SU indicates the rates are survey rates based on a weighted average calculation of rates and are not majority rates. LA indicates the State of Louisiana. 2012 is the year of survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. 5/13/2014 indicates the survey completion date for the classifications and rates under that identifier.

Survey wage rates are not updated and remain in effect until a new survey is conducted.

Union Average Rate Identifiers

Classification(s) listed under the UAVG identifier indicate that no single majority rate prevailed for those classifications; however, 100% of the data reported for the classifications was union data. EXAMPLE: UAVG-OH-0010 08/29/2014. UAVG indicates that the rate is a weighted union average rate. OH indicates the state. The next number, 0010 in the example, is an internal number used in producing the wage determination. 08/29/2014 indicates the survey completion date for the classifications and rates under that identifier.

A UAVG rate will be updated once a year, usually in January of each year, to reflect a weighted average of the current negotiated/CBA rate of the union locals from which the rate is based.

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

1. BRIEF SCOPE OF WORK

Rhode Island Contract No. 2016-CB-008, Federal-Aid Project No. BRO-0792(002), is for the Replacement of Capron Road Bridge No. 792 (70A), Capron Road over the Woonasquatucket River in the Town of Smithfield, Providence County, Rhode Island.

The work associated with the Replacement of Capron Road Bridge No. 792 (70A) generally consists of, but is not limited to: a) removing the existing bridge in its entirety, including but not limited to the concrete superstructure, pier, and abutments, and the stone return walls, b) installing a new bridge, including but not limited to concrete footings, abutments, return walls, parapets, endposts, and approach slabs, elastomeric bearings, prestressed concrete Northeast Extreme Tee beams, an asphaltic wearing surface, granite curb, sidewalk, and a wet-stone masonry wall, and c) installing stone riprap and bedding. The work will be conducted in a single phase with the bridge closed to traffic during construction. A detour will be posted when the bridge is closed to traffic.

Highway work associated with the Replacement of Capron Road Bridge No. 792 (70A) generally consists of, but is not limited to: a) reconstruction and realignment of the bridge approaches, b) replacement of existing steel guardrail, c) removal and replacement of drainage catch basins and pipes, and d) replacement of the bituminous berm.

Overhead utilities are present at and approaching Bridge No. 792 within the project limits. The overhead utilities will be relocated to the south side of the bridge at the start of construction prior to demolition of the bridge. Low-clearance equipment may be required for some operations.

The project also includes stormwater quality improvements in the form of a stormwater mitigation area at the southeasterly corner of the bridge for roadway and bridge runoffs.

The project wide installation of erosion controls and maintenance and protection of traffic will be required during the construction period along with all other incidentals complete-in-place and accepted by the Resident Engineer.

2. LIST OF CONTRACT DRAWINGS

Sheet	Description
1.	Cover Sheet
2.	Standard Plan Symbols & Standard Legend
3.	Standard Notes – 1
4.	Standard Notes – 2
5.	Job Specific Plan Symbols, Legend, & Notes
6.	Archaeological Exploration Plan
7.	Typical Section
8.	General Plan and Profile
9.	Drainage and Utility Plan
10.	Grading Plan
11.	Location Plan
12.	Signing and Striping Plan
13.	Temporary Traffic Control Plan
14.	Details – 1
15.	Details – 2
16.	Bridge Notes – 1

17. Bridge Notes – 2
18. Demolition Plan and Section
19. Bridge General Plan
20. Bridge Sections
21. Bridge Elevations
22. Bridge Erosion Control Plan
23. Conceptual Temporary Earth Support and Water Diversion Plan
24. Abutment Footing Location Plan
25. West Abutment Plan and Elevation
26. East Abutment Plan and Elevation
27. Abutment Sections and Details
28. Approach Slab and Curtain Wall Details
29. NW Return Wall Plan and Elevation
30. SW Return Wall Plan and Elevation
31. NE Return Wall Plan and Elevation
32. SE Return Wall Plan and Elevation
33. Typical Return Wall Sections
34. Substructure Sections and Details
35. Elastomeric Bearing Pad Details
36. Framing/Deck Plan and Notes
37. Beam/Deck Sections and Details - 1
38. Beam/Deck Sections and Details – 2
39. Safety Curb Joints at Abutments
40. Curb Details
41. End Post Details – 1
42. End Post Details – 2
43. Concrete Parapet
44. Typical Joint and Drain Details
45. Boring Logs
46. Boring and Probe Logs
47. Test Pit Logs
48. Cross Section No. 1
49. Cross Section No. 2
50. Cross Section No. 3
51. Cross Section No. 4

3. UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION

The Contractor shall schedule the construction so as to allow for a coordinated highway and utility effort. The Contractor is to coordinate utility work with the appropriate utility companies in order to provide overhead utility relocation at the start of construction, prior to the demolition of the bridge. Upon award, the Contractor shall notify the lead utility relative to his anticipated construction start date.

The Contractor shall coordinate all lane closures and detours with the Engineer such that the Engineer can coordinate with the Town at least three days in advance of each lane closure and detour. The following municipal agencies and utility companies can be contacted for information regarding utilities, verification, or monitoring:

Town of Smithfield DPW & Water Dept.
Mr. Charles Walsh
Acting Director
Department of Public Works
64 Farnum Pike
Smithfield, RI 02917
401-233-1034

Fire
Robert W. Seltzer
Fire Chief
Smithfield Fire Department
607 Putnam Pike
Smithfield, RI 02828
401- 949-1330

Police
Richard P. St. Sauveur, Jr
Chief of Police
Smithfield Police Department
215 Pleasant View Avenue
Smithfield, Rhode Island 02917
401- 231-2500

Electricity
Mr. Thomas Capobianco
Lead Project Engineer
c/o The Narragansett Electric Company
d/b/a National Grid
280 Melrose Street
Providence, RI 02907
401-784-7248

Telephone
Mr. Peter Decosta
Verizon Outside Plant Engineer
Verizon Communications Inc. - RI
85 High Street
Pawtucket, RI 02860
508- 884-4950

Gas
Mr. James Paulette
Lead Engineer
c/o The Narragansett Electric Company
d/b/a National Grid
40 Sylvan Road , 3rd Floor West
Waltham, MA 02451
781- 907-2841

Cable
Mr. David Velilla
Capital Support & Utility Coordinator
Cox Communications
9 J.P. Murphy Highway
Warwick, RI 02893
401-615-1284

Telephone
Mr. Russ Robinson
Engineer
UC Synergetic
21 Oxford Road
Mansfield, MA 02048
508-337-7680

The Contractor shall provide all necessary temporary traffic control for the utility company work to be performed. The Contractor shall not implement any detour until all overhead utility relocations are complete.

DigSafe

The locations of all utilities as shown on the plans are approximate. The Contractor shall use care when working in or within the vicinity of existing drainage structures and underground utilities. The Contractor shall check and verify the location of all existing utilities and service connections both underground and overhead in accordance with the "Dig Safe Program Law" enacted by Rhode Island Legislation Bill No. 79S-291, which became effective July 1, 1979 and was amended effective November 1, 2009. No excavation shall be done until all involved utility companies and Dig Safe are notified 48 hours in advance. The Contractor should be aware that not all utility companies subscribe to the Dig Safe Program. It is the Contractor's responsibility to ensure that all utility companies have been notified and all utilities have been marked prior to commencing their work. Any damage to existing utilizes marked in the field, or as a result of

failing to contact the appropriate utility company, shall be repaired or replaced at no additional cost to the State. The Contractor shall contact DigSafe (1-888-344-7233) prior to commencing with construction.

4. SPECIALTY ITEMS

The following proposal items and work are hereby designated as "Specialty Items":

- Prestressed Concrete NEXT Beam
- Furnish, Fabricate, and Erect Utility Supports
- Elastomeric Bearings Laminated
- Granite Identification Tablets
- Cleaning, Restore, and Reset Bronze Plaques
- Steel Guardrail
- Pavement Markings (Temporary & Permanent)
- Signs (excluding temporary construction signs)
- Seeding

5. TRANSPORTATION MANAGEMENT PLAN

Included as Appendix A to these Contract Specific General Provisions is the Transportation Management Plan (TMP) for this project. The TMP lays out the set of coordinated transportation management strategies that will be used to manage the work zone safety and mobility impacts of this project. In the event of a discrepancy between information in the TMP and information elsewhere in the Contract Documents, the former shall govern.

The Contractor's attention is called to the applicable portions of Section 100 – Award and Execution of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction, amended May 2016, with all revisions, which describes the requirements for the Contractor's designation of a TMP Implementation Manager for the Contract and the requirements for the training of all Contractor and Subcontractor personnel involved in work zone design, implementation, operation, inspection, management, and/or enforcement.

The Department's latest Training Guidelines for Personnel Responsible for Work Zone Safety & Mobility are available under the "Training" section at http://www.dot.ri.gov/humanresources/index.asp.

6. SEQUENCE OF CONSTRUCTION

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

A. 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, traffic control, etc., which pertains to the relocation of overhead wires. Tree trimming for this overhead utility work will be performed through the Statewide Tree Trimming contract. The

SECTION 1: SITE DESCRIPTION

1.1 Project/Site Information

This project is for the Replacement of Capron Road Bridge No. 792 in Smithfield, Rhode Island. The bridge carries Capron Road over the Woonasquatucket River. The limits of roadway work on Capron Road are specific to the bridge replacement and start 175' west of Capron Road Bridge to 250' east of the bridge, and is 0.15 miles in length. The work in the project includes the complete replacement of the bridge and full depth reconstruction of the roadway approaches. The intersections of Capron Road with Stillwater Road and Kane Road are approximately 800' and 1,700' to the east and west, respectively. Capron Pond is immediately to the north of this bridge. Interstate 295 is to the south of this project site.

The width of the roadway across the bridge is currently 18-feet wide. The existing easterly approach is approximately only 17-feet wide. The bridge is proposed to be widened to accommodate a new sidewalk, and travels lanes and shoulders with minimum standard widths. The new bridge will retain the same surface elevation of the existing bridge in order to minimize impacts. There will be grading along the realigned approaches to match existing conditions.

1.2 Nature and Sequence of Construction Activity

The work associated with the Replacement of Capron Road Bridge No. 792 generally consists of, but is not limited to: a) removing the existing bridge in its entirety, including but not limited to the concrete superstructure, pier, and abutments, and the stone return walls, b) installing a new bridge, including but not limited to concrete footings, abutments, return walls, parapets, endposts, and approach slabs, granite stone veneer, elastomeric bearings, prestressed concrete Northeast Extreme Tee beams, an asphaltic wearing surface, granite curb, and a wet-stone masonry wall, and c) installing stone riprap and bedding. The work will be conducted in a single phase with the bridge closed to traffic during construction. A detour will be posted when the bridge is closed to traffic.

Highway work associated with the Replacement of Capron Road Bridge No. 792 generally consists of, but is not limited to: a) reconstruction and realignment of the bridge approaches, b) installation of a new section of concrete sidewalk, c) replacement of existing steel guardrail, d) removal and replacement of drainage catch basins and pipes, e) replacement of the bituminous berm, and f) installation of a bioretention basin to the east of the bridge.

Overhead utilities are present at and approaching Bridge No. 792 within the project limits. The overhead utilities will be relocated to the south side of the bridge.

Estimated Project Start Date:	Spring 2016
Estimated Project Completion Date:	Fall 2017
Estimated Number of Months:	18 Months

1.3 Construction Site Estimates

The following are estimates of the construction site:

Total Project Area	0.70 acres
Construction Site Area to be disturbed	0.66 acres
Percentage impervious area before construction	33 %
Percentage impervious area after construction	54 %

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(Section 109.04 "Differing Site Conditions, Changes, Extra Work and Force Account Work" has been removed from the Special Provisions. It is included in the "Compilation of Approved Specifications" dated April 2016)

(Section 109.04 "Differing Site Conditions, Changes, Extra Work and Force Account Work" has been removed from the Special Provisions. It is included in the "Compilation of Approved Specifications" dated April 2016)

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(Section 109.04 "Differing Site Conditions, Changes, Extra Work and Force Account Work" has been removed from the Special Provisions. It is included in the "Compilation of Approved Specifications" dated April 2016)

JOB SPECIFIC

CODE 800.9901
CAPRON ROAD BRIDGE NO. 792

DESCRIPTION: Except for the excluded items of work indicated below, the work under this item shall consist of constructing the Capron Road Bridge No. 792 in its entirety. This shall comprise all work pertaining to the construction of:

Superstructure: Included are all the components above the beam seats inclusive of all the bridge bearings and any and all embedded or attached components excluding bituminous concrete pavement. All of the above work shall be complete in place and accepted in accordance with the Contract Documents except that the Method of Measurement and the Basis of Payment will be in accordance with these Special Provisions.

Substructure: Included are all components upward from and inclusive of the proposed abutment and return wall footings to the tops of the backwalls, parapets, and endposts, inclusive of any and all closed-cell foam, sealants, coatings, and embedded or attached components. The work under this item shall also include all the work pertaining to the construction of the reinforced concrete approach slabs, concrete sidewalks partially supported on the return wall stems, endposts, reinforcing, curbs, closed-cell foam, sealants, and concrete coatings and finishes for concrete components. All of the above work shall be complete in place and accepted in accordance with the Contract Documents except that the Method of Measurement and the Basis of Payment will be in accordance with these Special Provisions.

Excluded Items of Work: The work pertaining to the following items of work are excluded from this lump sum item and instead will be measured and be paid for separately under their own appropriate unit bid or lump sum items as listed in the Proposal: Earthwork and rockwork (structural excavation and various fill materials) and bituminous concrete pavement.

All work shall be in accordance with the Rhode Island Standard Specifications for Road and Bridge Construction, amended May 2016, with all revisions, and the Special Provisions for work included in this item.

METHOD OF MEASUREMENT: "Capron Road Bridge No. 792" will be measured for payment as a "Lump Sum."

BASIS OF PAYMENT: "Capron Road Bridge No. 792" will be paid for at the contract "Lump Sum" price as listed in the Proposal. The price so stated shall constitute full and complete compensation for all labor, materials, tools, equipment, and all other incidentals required to complete the construction of Capron Road Bridge No. 792 as described in this Special Provisions and elsewhere in the Contract Documents, complete in place and accepted by the Engineer.

Partial payments for this Lump Sum item will be made in accordance with the Standard Specifications Section 109.07.

JOB SPECIFIC

CODE 938.1000
PRICE ADJUSTMENTS

DESCRIPTION:

a. **Liquid Asphalt Cement.** The Base Price of Liquid Asphalt Cement as required to implement **Subsection 938.03.1** of the RI Standard Specifications for Road and Bridge Construction, Amended May 2016, with all revisions, is $ 345.00 per ton as of 6/1/2016.

   In the case of modified asphalt binder, this price adjustment provision shall only apply to the neat liquid asphalt component. This provision shall not apply to the modifier component, manufacture, storage, transportation of other associated costs.

b. **Diesel Fuel.** The Base Price of Diesel Fuel as required to implement **Subsection 938.03.2** of the RI Standard Specifications for Road and Bridge Construction, Amended May 2016, with all revisions, is $ 1.6670 per gallon as of 6/1/2016.

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201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	2
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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
017	206.0301 Cont.	**Item 206.0301 Total:**		**2,000.00**		
018	208.0100	**DEWATERING BASIN STANDARD 9.7.0**	**SF**			
		BRIDGE				
		EAST ABUTMENT AND RETURN WALLS		420.00	0010	01
		WEST ABUTMENT AND RETURN WALLS		420.00	0010	01
		Item 208.0100 Total:		**840.00**		
019	208.9902	**CONTROL OF WATER**	**LS**			
		BRIDGE				
		BRIDGE		1.00	0010	01
		Item 208.9902 Total:		**1.00**		
020	208.9903	**CONSTRUCT AND REMOVE STOCKPILE BASIN AND RESTORE BASIN AREA**	**SF**			
		BRIDGE				
		EAST ABUTMENT AND RETURN WALLS		400.00	0010	01
		WEST ABUTMENT AND RETURN WALLS		400.00	0010	01
		Item 208.9903 Total:		**800.00**		
021	212.2000	**CLEANING AND MAINTENANCE OF EROSION CONTROLS**	**LS**			
		PROJECT WIDE				
		PROJECT WIDE		1.00	0010	01
		Item 212.2000 Total:		**1.00**		
022	213.0100	**PLACEMENT OF MILLINGS BENEATH GUARDRAIL**	**LF**			
		CAPRON ROAD				

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
022	213.0100 Cont.	02+18 LT - 02+72 LT			0010	01
		02+23 RT - 03+15 RT			0010	01
		03+71 LT - 04+48 LT			0010	01
		04+32 RT - 05+89 RT			0010	01
		Item 213.0100 Total:		**DELETED**		
023	**302.0100**	**GRAVEL BORROW SUBBASE COURSE**	**CY**			
		CAPRON ROAD				
		01+50 - 03+34		210.00	0010	01
		03+46 - 06+00		290.00	0010	01
		DRIVEWAYS & WALKWAY		8.00	0010	01
		Item 302.0100 Total:		**508.00**		
024	**401.1000**	**CLASS 19.0 HMA**	**TON**			
		CAPRON ROAD				
		01+50 - 03+18		150.00	0010	01
		03+62 - 06+00		230.00	0010	01
		Item 401.1000 Total:		**380.00**		
025	**401.2100**	**MODIFIED CLASS 12.5 HMA**	**TON**			
		CAPRON ROAD				
		01+50 - 03+18		60.00	0010	01
		01+98 LT - 02+15 LT		2.00	0010	01
		03+62 - 06+00		90.00	0010	01
		04+82 LT - 04+95 LT		1.00	0010	01
		PROPOSED BITUMINOUS BERM		6.00	0010	01
		Item 401.2100 Total:		**159.00**		
026	**401.3100**	**MODIFIED CLASS 9.5 HMA**	**TON**			
		CAPRON ROAD				
		03+08 - 03+69		52.00	0010	01
		Item 401.3100 Total:		**52.00**		

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
037	**702.0820 Cont.**	02+98 16' LT		1.00	0010	01
		03+07 16' RT		1.00	0010	01
		Item 702.0820 Total:		**2.00**		
038	**702.0840**	**ALTERNATE TOP COVER ROUND PRECAST MANHOLES AND CATCH BASINS STANDARD 4.7.2**	**EACH**			
		CAPRON ROAD				
		05+16 LT (4')		1.00	0010	01
		05+35 LT (6')		1.00	0010	01
		Item 702.0840 Total:		**2.00**		
039	**702.9901**	**SOLID BLOCK SHALLOW 5'-0" SQUARE MANHOLE**	**EACH**			
		CAPRON ROAD				
		05+03 21' RT			0010	01
		Item 702.9901 Total:	****DELETED****			
040	**708.9040**	**CLEANING AND FLUSHING PIPE ALL SIZES**	**LF**			
		CAPRON ROAD				
		05+51 LT - 05+65 RT		60.00	0010	01
		Item 708.9040 Total:		**60.00**		
041	**800.9901**	**CAPRON ROAD BRIDGE NO. 792**	**LS**			
		BRIDGE				
		BRIDGE		1.00	0010	01
		Item 800.9901 Total:		**1.00**		
042	**803.0000**	**REMOVAL OF EXISTING BRIDGES**	**LS**			
		BRIDGE				
		BRIDGE		1.00	0010	01
		Item 803.0000 Total:		**1.00**		

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S048	**901.0196**	**GUARDRAIL CONNECTION TO EXISTING ENDPOST TRAILING END SECTION, STANDARD 34.3.6**	**EACH**			
		CAPRON ROAD				
		02+70 LT		1.00	0010	01
		04+40 RT		1.00	0010	01
		Item 901.0196 Total:		**2.00**		
S049	**901.0197**	**GUARDRAIL CONNECTION TO EXISTING ENDPOST APPROACH END SECTION, STANDARD 34.3.5**	**EACH**			
		CAPRON ROAD				
		03+15 RT		1.00	0010	01
		03+75 LT		1.00	0010	01
		Item 901.0197 Total:		**2.00**		
S050	**901.0198**	**GUARDRAIL END TREATMENT, NON-ENERGY ABSORBING TERMINAL**	**EACH**			
		CAPRON ROAD				
		02+18 LT		1.00	0010	01
		Item 901.0198 Total:		**1.00**		
S051	**901.0199**	**GUARDRAIL END TREATMENT, ENERGY ABSORBING TERMINAL**	**EACH**			
		CAPRON ROAD				
		02+23 RT		1.00	0010	01
		04+48 LT		1.00	0010	01
		05+89 RT		1.00	0010	01
		Item 901.0199 Total:		**3.00**		
052	**903.9901**	**TEMPORARY CHAIN LINK FENCE, 6 FEET HIGH**	**LF**			
		CAPRON ROAD				

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
052	903.9901 Cont.	EAST SIDE OF BRIDGE			0010	01
		WEST SIDE OF BRIDGE			0010	01
		Item 903.9901 Total:		**DELETED**		
053	903.9902	TEMPORARY CHAIN LINK FENCE GATE, 6 FEET HIGH, 12 FEET WIDE	EACH			
		CAPRON ROAD				
		EAST SIDE OF BRIDGE			0010	01
		WEST SIDE OF BRIDGE			0010	01
		Item 903.9902 Total:		**DELETED**		
054	**905.0110**	**PORTLAND CEMENT SIDEWALK MONOLITHIC STANDARD 43.1.0**	**CY**			
		CAPRON ROAD				
		01+81 LT - 01+94 LT		1.00	0010	01
		02+22 LT - 02+72 LT		3.50	0010	01
		03+73 LT - 04+77 LT		6.50	0010	01
		05+01 LT - 05+14 LT		1.00	0010	01
		Item 905.0110 Total:		**12.00**		
055	**905.0115**	**PORTLAND CEMENT CONCRETE DRIVEWAY STANDARD 43.5.0**	**CY**			
		CAPRON ROAD				
		01+94 LT - 02+22 LT		5.00	0010	01
		04+77 LT - 05+01 LT		5.00	0010	01
		Item 905.0115 Total:		**10.00**		
056	**906.0110**	**GRANITE CURB, QUARRY SPLIT STRAIGHT, STANDARD 7.3.0**	**LF**			
		CAPRON ROAD				
		01+91 LT - 01+94 LT		3.00	0010	01
		02+22 LT - 02+72 LT		95.00	0010	01
		03+73 LT - 04+77 LT		131.00	0010	01

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
075	**942.0200**	**DETECTABLE WARNING PANEL STANDARD 48.1.0**	**SF**			
		CAPRON ROAD				
		01+83 LT		8.00	0010	01
		05+12 LT		8.00	0010	01
		Item 942.0200 Total:		**16.00**		
076	**943.0200**	**TRAINEE MAN-HOURS**	**MHRS**			
		PROJECT WIDE				
		PROJECT WIDE		1,500.00	0010	01
		Item 943.0200 Total:		**1,500.00**		
077	**L01.0102**	**LOAM BORROW 4 INCHES DEEP**	**SY**			
		CAPRON ROAD				
		01+50 LT - 02+00 LT		70.00	0010	01
		01+50 RT - 03+50 RT		330.00	0010	01
		02+08 LT - 03+15 LT		180.00	0010	01
		03+35 LT - 04+82 LT		240.00	0010	01
		03+85 RT - 04+25 RT		20.00	0010	01
		04+92 LT - 06+00 LT		150.00	0010	01
		05+65 RT - 06+00 RT		20.00	0010	01
		UNDER GUARDRAIL		180.00	0010	01
		Item L01.0102 Total:		**1,190.00**		
S078	**L02.0102**	**RESIDENTIAL SEEDING (TYPE 2)**	**SY**			
		CARPON ROAD				
		REFERENCED FROM ITEM CODE NO. L01.0102		1,190.00	0010	01
		Item L02.0102 Total:		**1,190.00**		
079	**L02.9901**	**STORMWATER BIORETENTION BASIN**	**LS**			
		CAPRON ROAD				
		STORMWATER BIORETENTION BASIN		1.00	0010	01

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
079	**L02.9901 Cont.**	**Item L02.9901 Total:**		**1.00**		

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
080	**L05.0506**	**JUTE MESH**	**SY**			
		CAPRON ROAD				
		02+15 LT - 02+60 LT		30.00	0010	01
		Item L05.0506 Total:		**30.00**		
S081	**T15.0100**	**DIRECTIONAL REGULATORY AND WARNING SIGNS**	**SF**			
		CAPRON ROAD				
		W1-2 (L)		7.00	0010	01
		W1-2 (R)		7.00	0010	01
		Item T15.0100 Total:		**14.00**		
082	**T18.0336**	**36 INCH HAZARD MARKER**	**EACH**			
		CAPRON ROAD				
		OM3-R		2.00	0010	01
		Item T18.0336 Total:		**2.00**		
S083	**T20.0104**	**4 INCH YELLOW FAST - DRYING WATERBORNE PAVEMENT MARKING PAINT**	**LF**			
		CAPRON ROAD				
		01+50 C - 06+00 C		900.00	0010	01
		Item T20.0104 Total:		**900.00**		
S084	**T20.2014**	**4 INCH EPOXY RESIN PAVEMENT MARKINGS YELLOW**	**LF**			
		CAPRON ROAD				
		01+50 C - 06+00 C		900.00	0010	01
		Item T20.2014 Total:		**900.00**		
085	**903.0410**	**TEMPORARY CHAIN LINK FENCE**	**LF**			
		CAPRON ROAD				
		EAST SIDE OF BRIDGE		230.00	0010	01
		WEST SIDE OF BRIDGE		280.00	0010	01

Distribution of Quantities

Project Name - CAPRON ROAD BRIDGE NO 792 (70A)
Estimate Name - Addendum No. 1
R.I. Contract No. - 2016-CB-008
FAP Nos: BRO-0792(002)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
085	**903.0410 Cont.**	**Item 903.0410 Total:**		**510.00**		
086	**903.0411**	**TEMPORARY CHAIN LINK GATE**	**EACH**			
		CAPRON ROAD				
		EAST SIDE OF BRIDGE		1.00	0010	01
		WEST SIDE OF BRIDGE		1.00	0010	01
		Item 903.0411 Total:		**2.00**		

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	R.I.	BRO-0792(002)		1	51

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STATE OF RHODE ISLAND

DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED

REPLACEMENT OF

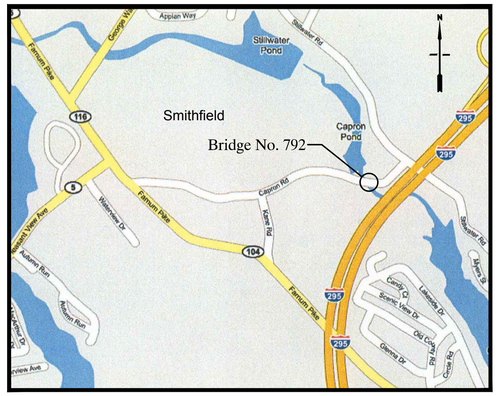
CAPRON ROAD BRIDGE No. 792 (70A)

SMITHFIELD, RHODE ISLAND
PROVIDENCE COUNTY

R.I. FEDERAL AID PROJECT No. BRO-0792(002)
R.I. CONTRACT No. 2016-CB-008
LENGTH = 0.1 MILE

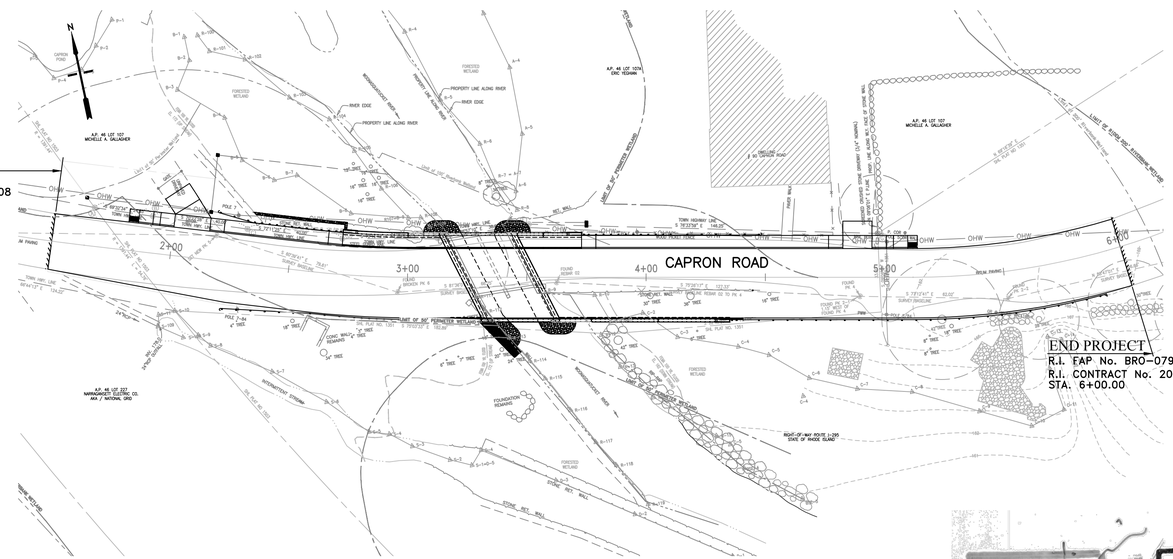
INDEX of DRAWINGS

1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3	STANDARD NOTES – 1
4	STANDARD NOTES – 2
5	JOB SPECIFIC PLAN SYMBOLS, LEGEND, & NOTES
6	ARCHAEOLOGICAL EXPLORATION PLAN
7	TYPICAL SECTION
8	GENERAL PLAN AND PROFILE
9	DRAINAGE AND UTILITY PLAN
10	GRADING PLAN
11	LOCATION PLAN
12	SIGNING AND STRIPING PLAN
13	TEMPORARY TRAFFIC CONTROL PLAN
14	DETAILS – 1
15	DETAILS – 2
16	BRIDGE NOTES – 1
17	BRIDGE NOTES – 2
18	DEMOLITION PLAN AND SECTION
19	BRIDGE GENERAL PLAN
20	BRIDGE SECTIONS
21	BRIDGE ELEVATIONS
22	BRIDGE EROSION CONTROL PLAN
23	CONCEPTUAL TEMPORARY EARTH SUPPORT AND WATER DIVERSION PLAN
24	ABUTMENT FOOTING LOCATION PLAN
25	WEST ABUTMENT PLAN AND ELEVATION
26	EAST ABUTMENT PLAN AND ELEVATION
27	ABUTMENT SECTIONS AND DETAILS
28	APPROACH SLAB AND CURTAIN WALL DETAILS
29	NW RETURN WALL PLAN AND ELEVATION
30	SW RETURN WALL PLAN AND ELEVATION
31	NE RETURN WALL PLAN AND ELEVATION
32	SE RETURN WALL PLAN AND ELEVATION
33	TYPICAL RETURN WALL SECTIONS
34	SUBSTRUCTURE SECTIONS AND DETAILS
35	ELASTOMERIC BEARING PAD DETAILS
36	FRAMING/DECK PLAN AND NOTES
37	BEAM/DECK SECTIONS AND DETAILS – 1
38	BEAM/DECK SECTIONS AND DETAILS – 2
39	SAFETY CURB JOINTS AT ABUTMENTS
40	CURB DETAILS
41	END POST DETAILS – 1
42	END POST DETAILS – 2
43	CONCRETE PARAPET
44	TYPICAL JOINT AND DRAIN DETAILS
45	BORING LOGS
46	BORING AND PROBE LOGS
47	TEST PIT LOGS
48–51	CROSS SECTION Nos. 1–4



LOCATION MAP

NOT TO SCALE



PLAN

SCALE: 1"=30'

1 **PAVEMENT COMPOSITION**

2" MODIFIED HMA CLASS 12.5
5" HMA CLASS 19
(PLACED IN TWO 2.5" LIFTS)
12" GRAVEL BORROW SUBBASE

DESIGN DESIGNATION

AADT (2013)	=	1,500 VPD
AADT (2033)	=	1,850 VPD
DHV (2033)	=	120 VPD
D	=	52% / 48%
K	=	8%
T	=	1%
V	=	35 MPH

HYDRAULIC DATA

DRAINAGE AREA	26.6 SQ. MILES
100-YEAR FLOOD EL. UPSTREAM FACE OF BRIDGE	172 FEET
100-YEAR FLOOD EL. DOWNSTREAM FACE OF BRIDGE	162 FEET
100-YEAR FLOOD PEAK DISCHARGE	1,660 CFS
100-YEAR FLOOD FLOW VELOCITY	9.4 FPS

R.I. STANDARD SPECIFICATIONS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED MAY 2016, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.

ADDENDUM No.1

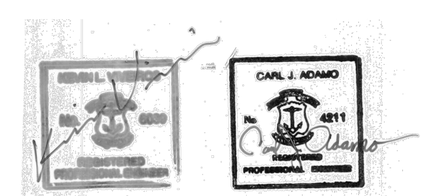
SCALES OF DRAWINGS

Plans	1 inch = 20 feet	
Profiles	1 inch = 20 feet	Horizontal
Profiles	1 inch = 4 feet	Vertical
Cross Sections	1 inch = 4 feet	Horizontal
Cross Sections	1 inch = 4 feet	Vertical

BASE OF LEVELS

VERTICAL DATUM USED: RHODE ISLAND STATE PLANE, NAVD 88

HORIZONTAL DATUM: RHODE ISLAND STATE PLANE, NAD 83



PARE

PARE ENGINEERING CORPORATION
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401 - 334 - 4100

R.I. Contract Number 2016-CB-008
Plan Volume Number
Number of Sheet 1
Total Sheets 51

R.I. DEPARTMENT OF TRANSPORTATION

APPROVED
Geoffrey K Chabre 5-12-16
MANAGING ENGINEER DATE

APPROVED
David W. Fish 5-12-16
CHIEF ENGINEER DATE

APPROVED
5/13/16
DIRECTOR DATE

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED
N/A
DIVISION ADMINISTRATOR DATE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BRO-0792(002)		05	51

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JOB SPECIFIC PLAN SYMBOLS

EXISTING		PROPOSED
	TEMPORARY EARTH SUPPORT	
OHW OHW	OVERHEAD WIRES	OHW OHW
	WATER CONTROL SYSTEM (SEE EROSION CONTROL PLANS)	
	COMPOST FILTER SOCK	
	BORING LOCATION	B-#
	PROBE LOCATION	P#
	TEST PIT LOCATION	TP-#

JOB SPECIFIC GENERAL LEGEND

R.I. STD. No.	
3.2.2M	SOLID BLOCK SHALLOW 5'-0" SQUARE MANHOLE
4.7.0	TOP COVER FOR 4'-0" OR 6'-0" SQUARE CATCH BASINS AND MANHOLES
6.3.2M	SQUARE FRAME AND GRATE 6" HIGH (BICYCLE SAFE)
7.5.1A	BITUMINOUS CONCRETE BERM (CONSTRUCTION METHOD A) WITH CLASS 12.5 HMA
BCD	BITUMINOUS CONCRETE DRIVEWAY 3" BITUMINOUS CONCRETE CLASS 12.5 8" GRAVEL BORROW SUBBASE COURSE
CFS	COMPOST FILTER SOCK
DPO	REMOVE AND DISPOSE UTILITY POLE (BY OTHERS)
DT	REMOVE AND DISPOSE EXISTING TREE
ETEA	GUARDRAIL END TREATMENT - ENERGY ABSORBING
ETNA	GUARDRAIL END TREATMENT - NON-ENERGY ABSORBING
GTC	6'-0" GRANITE TRANSITION CURB (13" TO 0" REVEAL) (SEE "END POST DETAILS" SHEET)
P	BITUMINOUS CONCRETE PAVEMENT 2" MODIFIED HMA CLASS 12.5 5" HMA CLASS 19 (PLACED IN TWO 2.5" LIFTS) 12" GRAVEL BORROW SUBBASE ASPHALT EMULSION TACK COAT AS REQUIRED PER GENERAL NOTE 7 OF "STANDARD NOTES - 1" SHEET
NPO	NEW UTILITY POLE (BY OTHERS)
RF	REMOVE AND RESET FENCE

JOB SPECIFIC GENERAL NOTES:

GENERAL NOTES:

1. CLASS III EXISTING CONDITIONS SURVEY WAS PREPARED BY GILBERT & MALONEY, ENGINEERS & LAND SURVEYORS, PROVIDENCE, RHODE ISLAND ON MAY 12, 2003 AND UPDATED TO NAVD 1988 ON FEBRUARY 7, 2014.
2. THE ENTIRE PROJECT AREA IS WITHIN RI DEM JURISDICTIONAL AREAS.
3. 100-YEAR FLOOD ELEVATIONS WERE OBTAINED FROM THE FLOOD INSURANCE STUDY FOR THE TOWN OF SMITHFIELD, RHODE ISLAND, AND THE FLOOD INSURANCE RATE MAP FOR PROVIDENCE COUNTY RHODE ISLAND (COMMUNITY PANEL 44007C 0169H DATED OCTOBER 2, 2015), PREPARED BY FEDERAL EMERGENCY MANAGEMENT AGENCY. THE 100-YEAR FLOOD ELEVATION DIRECTLY UPSTREAM FROM THE BRIDGE IS 172.0 FT. AND DOWNSTREAM IS 162.0 FT. (NAVD 88).
4. WETLAND DELINEATION WAS PERFORMED BY PARE CORPORATION ON NOVEMBER 8, 2011. WETLAND FLAG LOCATION SURVEY WAS PERFORMED BY PARE CORPORATION USING A HANDHELD GPS DEVICE WITH SUBMETER ACCURACY.
5. CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED IN THE WATERWAY.
6. THE CONTRACTOR SHALL BE AWARE OF THE PRESENCE OF OVERHEAD UTILITIES AND SHALL PLAN CONSTRUCTION ACTIVITIES AND EQUIPMENT ACCORDINGLY.
7. ALL GRASSED AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REESTABLISHED WITH LOAM AND TYPE 2 SEED. IF AREAS ARE BEYOND WORK LIMIT LINES, THEN THE COST SHALL BE BORNE BY THE CONTRACTOR.
8. TREE CUTTING AND TRIMMING WORK ASSOCIATED WITH THE RELOCATION OF OVERHEAD UTILITIES SHALL BE PROVIDED THROUGH THE STATEWIDE TREE TRIMMING CONTRACT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE RESIDENT ENGINEER DURING CONSTRUCTION.
9. THERE SHALL BE NO PARKING OR STORING OF CONSTRUCTION EQUIPMENT UNDER THE DRIP LINE OF ANY TREES.
10. ALL STEEL BEAM GUARDRAIL TO BE INSTALLED AS PART OF THIS CONTRACT SHALL NOT BE FURNISHED WITH RUB RAIL.
11. POST SPACINGS FOR GUARDRAIL INSTALLATION ALONG BRIDGE END WALLS SHALL BE IN ACCORDANCE WITH END POST DETAILS SHEETS 1 AND 2.

CONTROL OF WATER WORK SEQUENCE:

1. REMOVE AND DISPOSE SUPERSTRUCTURE.
2. REMOVE CENTRAL PIER TO MUD LINE.
3. INSTALL TEMPORARY EARTH SUPPORT/WATER DIVERSION (SEE "CONCEPTUAL TEMPORARY EARTH SUPPORT AND WATER DIVERSION PLAN" SHEET).

EROSION CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL MATERIALS AND METHODS ARE TO BE PROVIDED IN ACCORDANCE WITH THE RHODE ISLAND EROSION AND SEDIMENT CONTROL HANDBOOK AND THE RHODE ISLAND STANDARD DETAILS.
2. THE TYPES AND LOCATIONS OF THE EROSION CONTROL BARRIERS MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS.
3. IN ACCORDANCE WITH THE PROJECT SWPPP, ALL CONSTRUCTION PHASE EROSION CONTROLS SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN TWENTY-FOUR (24) HOURS AFTER ANY STORM EVENT THAT GENERATES AT LEAST 0.25 INCHES OF RAIN IN A TWENTY-FOUR (24) HOUR PERIOD. THE INSPECTOR SHALL NOTE AREAS OF EROSION AND SEDIMENT MIGRATION, AS WELL AS THE CONDITION AND EFFECTIVENESS OF THE STORMWATER CONTROLS. THE CONTRACTOR IS REQUIRED TO DESIGNATE A SWPPP CONTACT WITH THE AUTHORITY TO DIRECT REQUIRED CORRECTIVE ACTIONS DURING CONSTRUCTION.
4. ACCUMULATED SEDIMENTS SHALL BE EXCAVATED AND BE PROPERLY DISPOSED WHEN THE HEIGHT OF THE SEDIMENT EXCEEDS ONE HALF (1/2) THE HEIGHT OF THE COMPOST FILTER SOCK FIBER ROLL.
5. COMPOST FILTER SOCKS SHALL BE REPLACED EVERY SIX (6) MONTHS, AT A MINIMUM, AND MORE FREQUENTLY IF NECESSARY. ANY DAMAGED COMPOST FILTER SOCKS SHALL BE PROMPTLY REPLACED.
6. JUTE MESH SHALL BE PLACED ON ALL SLOPES GREATER THAN 3:1. THIS INCLUDES THE INSIDE OF THE BIORETENTION BASIN.
7. STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN BIOLOGICAL WETLANDS, OR STANDING OR FLOWING WATER BODIES. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE. THIS NOTE SUPERCEDES "DRAINAGE AND EROSION CONTROL NOTE 3" ON "STANDARD NOTES - 1" SHEET.

WETLANDS LEGEND

- = LIMIT OF 200' RIDEM RIVERBANK WETLAND
- = LIMIT OF 50' PERIMETER WETLAND
- = LIMIT OF 100-YEAR FLOOD PLAIN
- B-2 = EDGE OF WETLAND AND EDGE OF RIVER

(SIZE)
- LOCATION NUMBER
- NUMBER
- SIGN MOUNTING (R.I. STD. NO.)

TYPICAL SIGN DESIGNATION SYMBOL

ADDENDUM No.1

REVISIONS		
NO.	DATE	BY

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPLACEMENT OF
CAPRON BRIDGE No. 792 (70A)

SMITHFIELD, RHODE ISLAND

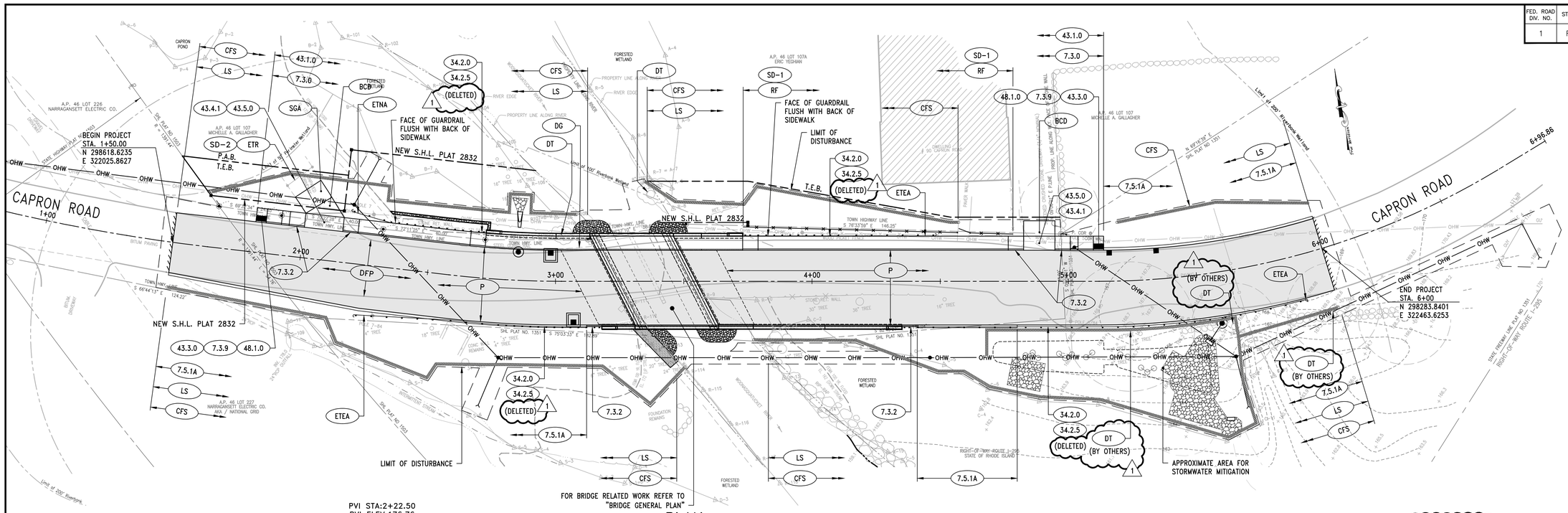
JOB SPECIFIC
PLAN SYMBOLS, LEGEND, & NOTES

CHECKED BY _____ DATE _____ SCALE NA

0153E_V1_005_JSNOTSYM_REV01

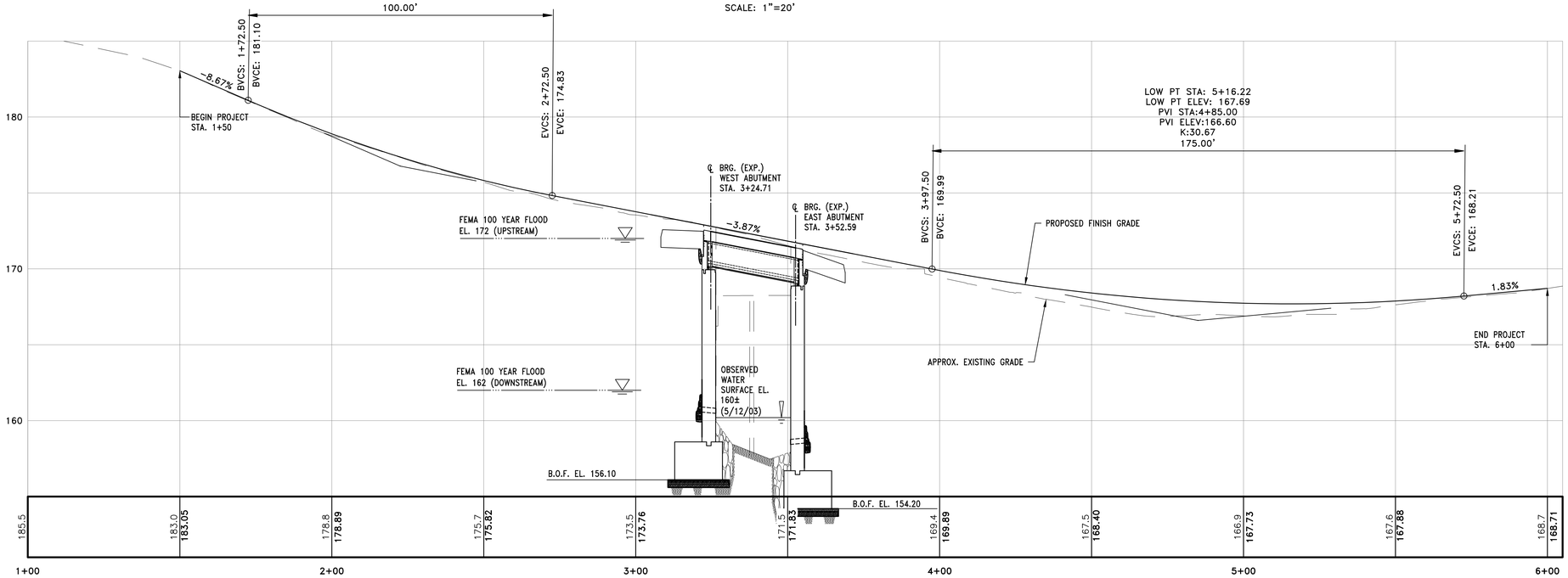
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BRO-0792(002)		08	51

R-1



PLAN

SCALE: 1"=20'



PROFILE

SCALE: HORIZ. 1"=20'
VERT. 1"=4'

TREE NOTES:

1. TREE CUTTING AND TRIMMING WORK ASSOCIATED WITH THE RELOCATION OF OVERHEAD UTILITIES SHALL BE PROVIDED THROUGH THE STATEWIDE TREE TRIMMING CONTRACT. THE CONTRACTOR SHALL COORDINATE THIS WORK WITH THE RESIDENT ENGINEER DURING CONSTRUCTION.
2. THERE SHALL BE NO PARKING OR STORING OF CONSTRUCTION EQUIPMENT UNDER THE DRIP LINE OF ANY TREES.

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft. Horizontal
1 inch = 4 ft. Vertical

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPLACEMENT OF
CAPRON BRIDGE No. 792 (70A)

SMITHFIELD, RHODE ISLAND

GENERAL PLAN
AND PROFILE

CHECKED BY _____ DATE _____ SCALE AS NOTED

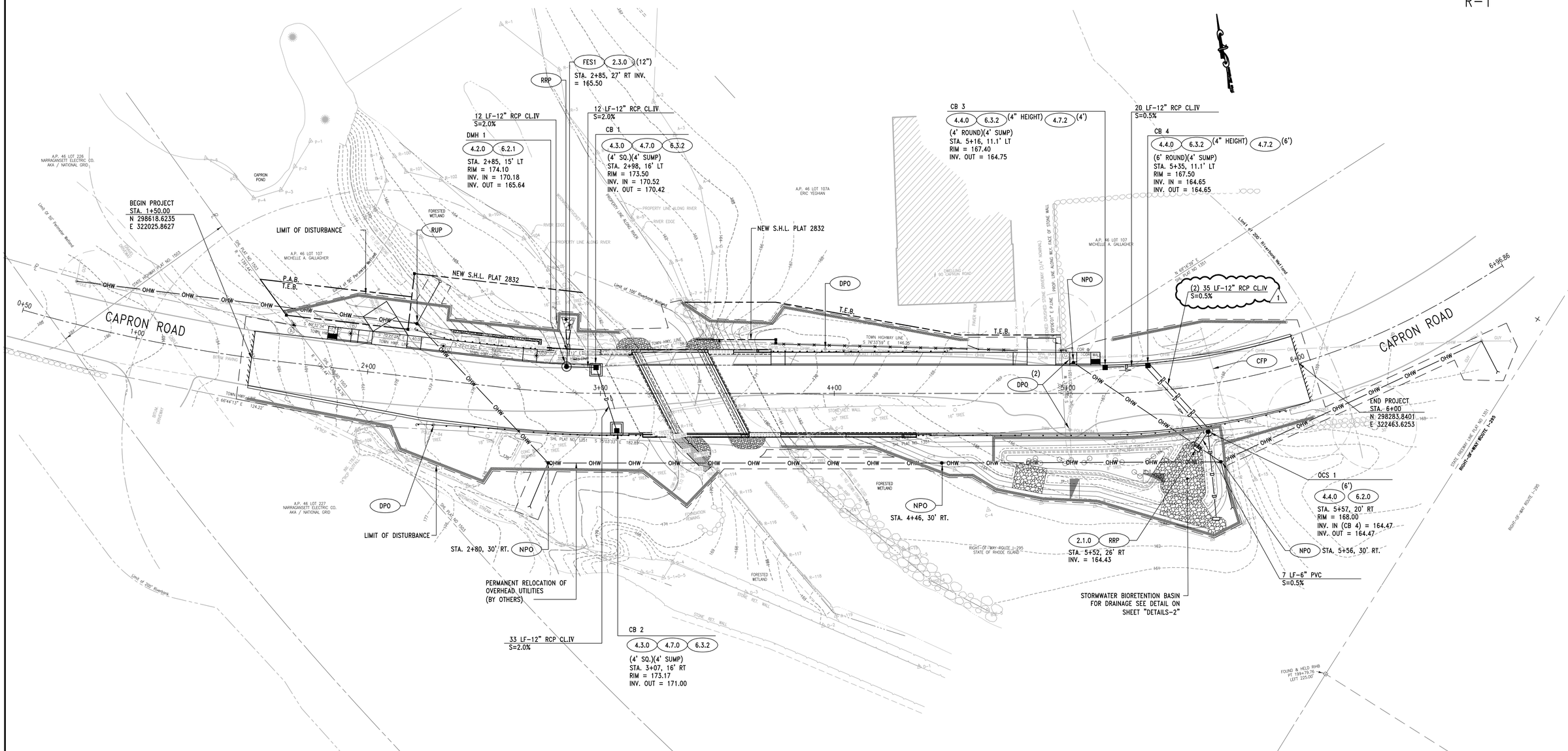
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

ADDENDUM No.1

0153E_V1_008_GENERAL001_REV01

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BRO-0792(002)		09	51

R-1



REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPLACEMENT OF
CAPRON BRIDGE No. 792 (70A)

SMITHFIELD, RHODE ISLAND

DRAINAGE AND UTILITY PLAN

CHECKED BY _____ DATE _____ SCALE 1"=20'

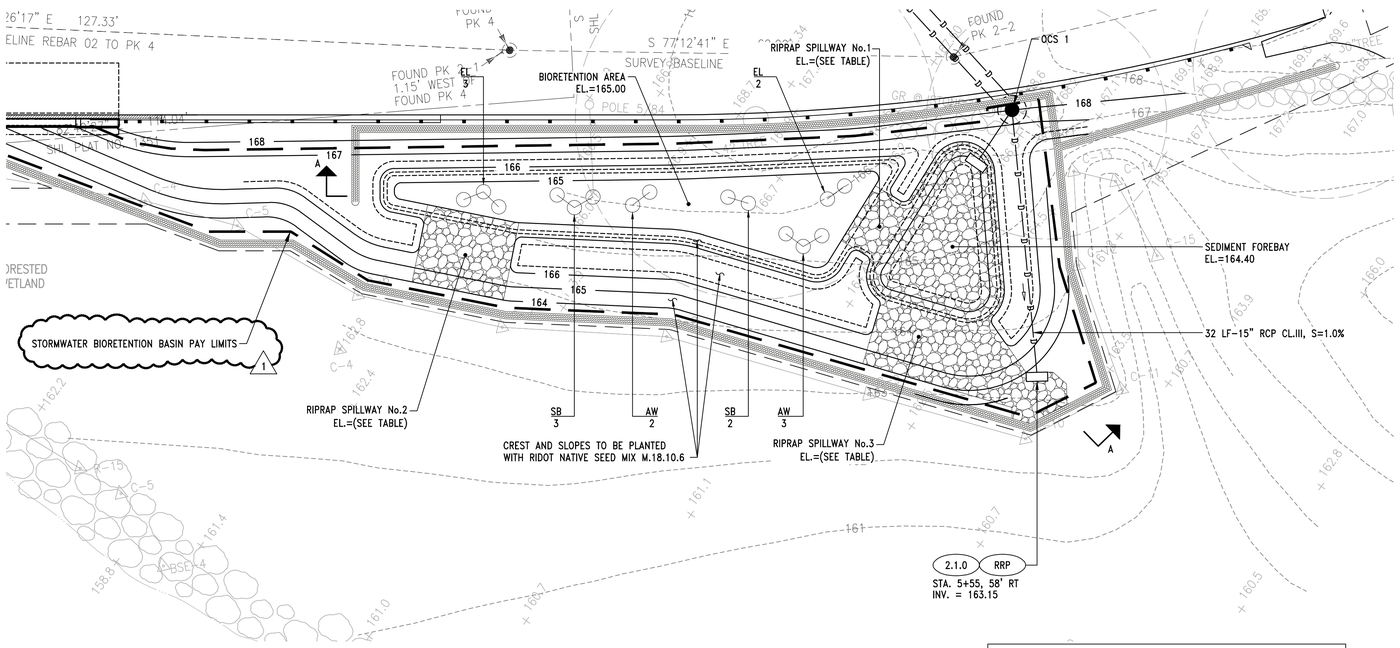
PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100

ADDENDUM No.1

0153E_V1_009_DRAINAGE001_REV01

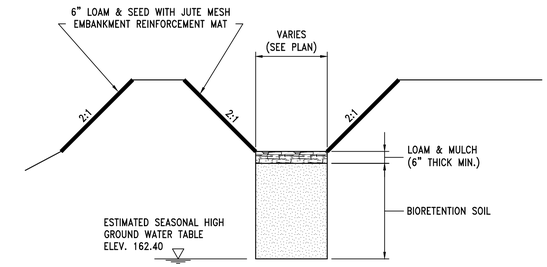
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	BRO-0792(002)		15	51

R-1



STORMWATER BIORETENTION BASIN PLAN VIEW

SCALE: 1"=10'

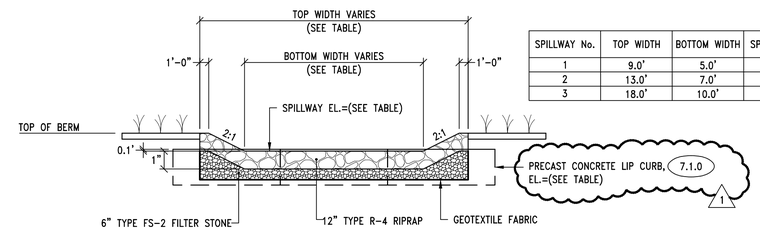


NOTE:
BIORETENTION SOIL SHALL CONSIST OF USDA LOAMY SAND TO SANDY LOAM AND SHALL MEET THE FOLLOWING CLASSIFICATION: SAND 85-88%, SILT 8-12%, CLAY 0-2%, AND ORGANIC MATTER 3-5%.

BIORETENTION DETAIL

N.T.S

SPILLWAY No.	TOP WIDTH	BOTTOM WIDTH	SPILLWAY EL.
1	9.0'	5.0'	165.50
2	13.0'	7.0'	166.00
3	18.0'	10.0'	166.00



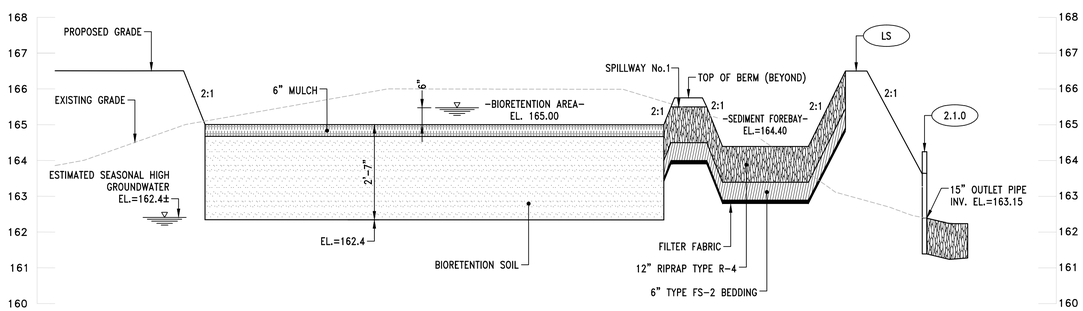
SPILLWAY DETAIL

NOT TO SCALE

PLANT LIST				
SPILLWAY	BOTANICAL NAME	QTY.	SIZE	SPACING
EL	Sambucus Canadensis	5	2'-3'	3'-4' O.C.
AW	Arrowwood Viburnum	5	2'-3'	3'-4' O.C.
SB	Lindera Benzoin	5	2'-3'	3'-4' O.C.
*ALL SHRUBS CONTAINER GROWN				

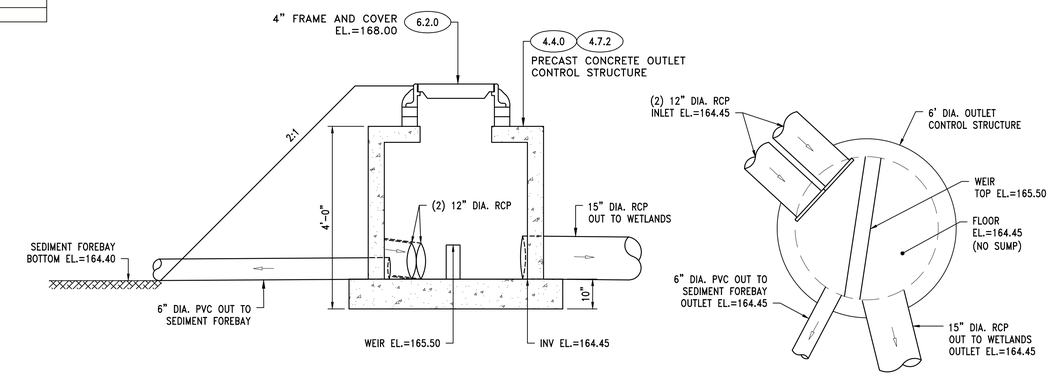
NOTES:

1. CONTRACTOR SHALL AVOID COMPACTING THE BOTTOM OF THE BIORETENTION AREA. THE BOTTOM SHALL BE SCARIFIED PRIOR TO PLACING MULCH AND PLANTINGS.



STORMWATER BIORETENTION BASIN SECTION A-A

HORIZ. 1"=10'
VERT. 1"=2'

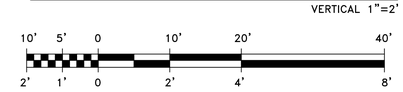


CONCRETE OUTLET CONTROL STRUCTURE (OCS)

NOT TO SCALE

GRAPHIC SCALE

HORIZONTAL 1"=10'
VERTICAL 1"=2'



ADDENDUM No.1

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPLACEMENT OF
CAPRON BRIDGE No. 792 (70A)

SMITHFIELD, RHODE ISLAND

DETAILS – 2

CHECKED BY _____ DATE _____ SCALE AS NOTED

PARE CORPORATION
ENGINEERS - SCIENTISTS - PLANNERS
8 BLACKSTONE VALLEY PLACE
LINCOLN, RI 02865
401-334-4100