

December 5, 2012

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATION
DEPARTMENT OF TRANSPORTATION
RHODE ISLAND CONTRACT NO.2013-CB-025
FEDERAL-AID PROJECT NO. FAP Nos: BHO-0634(001)

DBP C7 Repairs to Jefferson Blvd South Bridge No. 634

Jefferson Boulevard South Bridge No. 634 carrying Route 37 Eastbound over Jefferson Blvd in Warwick, Rhode
Island

CITY/TOWN OF Warwick

COUNTY OF KENT

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. Specification Change/Addition

1. CS-Pages

a. Page CS-i

Remove page CS-i in its entirety and replace it with revised page CS-i (R-1) attached to this Addendum No. 1. Description for Appendix C has been revised.

b. Page CS-7

Remove page CS-7 in its entirety and replace it with revised page CS-7 (R-1) attached to this Addendum No. 1. Section 6 "UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION", Paragraph B has been revised.

c. Appendix C Cover Page

Remove the Appendix C Cover Page in its entirety and replace it with revised page Appendix C Cover Page (R-1) attached to this Addendum No. 1. "GUIDELINES FOR WORKING AROUND GAS UTILITIES" has been added.

d. Appendix C

Add two new pages entitled "NATIONAL GRID – Guidelines for Working Around Gas Utilities" attached to this Addendum No. 1.

B. Drawings/Plans - Change/Addition

1. Sheet No. 6 – Bridge General Notes Sheet 1

Modify Note 1 of Concrete Notes as shown in Sketch No. 1 attached to this Addendum No. 1.



RI Department of Transportation
Chief Engineer

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Appendix A – Level 3 Transportation Management Plan

Appendix B – Stormwater Pollution Prevention Plan (SWPPP)

Appendix C – National Grid – Guidelines for Support of Gas Pipes
Temporary Support of Gas Pipes
Guidelines for Working Around Gas
Utilities

- B. The estimated duration of activities is subject to change, however the total downtime listed below for each utility company shall be used for construction scheduling. The following is a summary of the utility downtime:

<u>Utility</u>	<u>Work to be Performed</u>	<u>Utility Work Time</u>
Telephone	Relocate cable to temporary location	3 days
Telephone	Relocate cable back to permanent location	3 days

The following utility work is anticipated to be performed by utility companies.

Verizon

Verizon requires 30 days advance notification for scheduling work. Verizon will temporarily relocate the overhead wires under the superstructure for the removal and replacement of the pier cap and column at Pier 2.

RIDOT Maintenance Division

Coordination with RIDOT for the deactivation/protection of existing electrical conduits embedded in the existing bridge safety walk.

National Grid (NGRID) – Gas

NGRID requires the Contractor's to submit the shop drawing for the temporary support of the existing gas line for review and approval prior to commencing construction. The gas line is in close proximity to the top of the footing of Pier 1.

The Contractor shall provide all necessary temporary traffic control for utility work to be performed in advance of other construction.

7. SPECIALTY ITEMS

The following items are hereby designated as "Specialty Items" for this project.

- a. Structural Steel
- b. Landscaping
- c. Asphaltic Expansion Joint
- d. Sliding Bearings
- e. Striping
- f. Prefabricated Waterproofing Sheet Membrane

8. SEQUENCE OF CONSTRUCTION

Approval of the work sequence and time schedule is required before the start of

**APPENDIX C
NATIONALGRID**

**GUIDELINES FOR SUPPORT OF GAS PIPES
TEMPORARY SUPPORT OF GAS PIPES**

GUIDELINES FOR WORKING AROUND GAS UTILITIES



10/01/12

Guidelines for Working Around Gas Utilities

Notification of Construction

National Grid requests at least six week advanced notification prior to the start of construction to perform scheduled work in the proposed project area. Be aware that some gas work cannot be performed during the normal heating season.

Support and Protect

Contractor must call Dig Safe to have the gas mains and services marked out before construction. Care must be exercised when saw cutting over any gas infrastructure, especially services, which are more shallow than the main. Depth of gas mains vary. Contractor shall dig test pits in order to ascertain exact locations, cover and invert elevations, clearances, alignment and operating status of existing gas facilities. Contractor shall exercise extreme caution when excavating in the vicinity of any gas facility. Hand excavation shall be performed to locate all gas facilities and whenever digging within 24" of gas facilities. If cover over gas piping is removed the required cover must be replaced, or if not feasible, National Grid must be notified for review of the issue. Undermined gas pipe must be adequately supported and protected from damage. Contact National Grid engineer for guidelines regarding proper pipe support. Significant vibration from pile driving and such may negatively impact gas facilities, particularly cast iron mains and regulator station vaults. Contact National Grid engineer prior to performing such activities as well as operations which may undermine gas facilities such as micro-tunneling, jacking, directional drilling, etc.

Gas Leaks

For any gas leak please call the appropriate number immediately.

Greater Boston - 800-233-5325

Other Massachusetts – 800-548-8000

Rhode Island – 800-640-1595

Types of Gas Facilities

Gas mains and services are made of several different materials and contain a wide range of pressures. Typical materials used for buried gas pipe includes bare steel, coated steel, plastic, cast iron, wrought iron, ductile iron, and copper. Never assume that a pipe is not gas. At times gas lines are inserted into older lines to save excavation cost.

Exposure of Gas Facilities

If any gas mains or services become exposed, National Grid must be notified to inspect the line before backfilling. Also any damage that may have been made to the pipe or pipe coating will need to be repaired by National Grid before backfilling. Contact our Dispatch office at (877) 304-1203 for inspection. It is important that even minor damage or scrapes be reported to National Grid. Backfill shall be 6" of sand around the gas line and clean compacted fill above.



Regulator Stations

Gas regulator stations are particularly critical facilities and National Grid must be notified whenever work is to take place within 200 feet of a station. Regulator stations are typically in buried vaults accessed through either manhole covers or aluminum doors. **ONLY AUTHORIZED NATIONAL GRID EMPLOYEES SHALL OPEN A REGULATOR STATION VAULT.** Be aware that a complex nest of piping and valves often exists in the vicinity outside the vaults.

Blasting

National Grid must be notified of any blasting that will take place within 200 feet of a gas utility. National Grid must be supplied with a detailed blast plan for blasting in the vicinity of gas facilities. The evaluation of the blast plan by a National Grid engineer may take some time, therefore, blast plan data should be submitted at least two weeks prior to the planned blasting. As a general rule blasting will not be permitted within 10 feet of a gas line and PPV at the nearest gas pipe shall not exceed 5 in/sec. PPV at the nearest gas main shall be monitored.

Valves

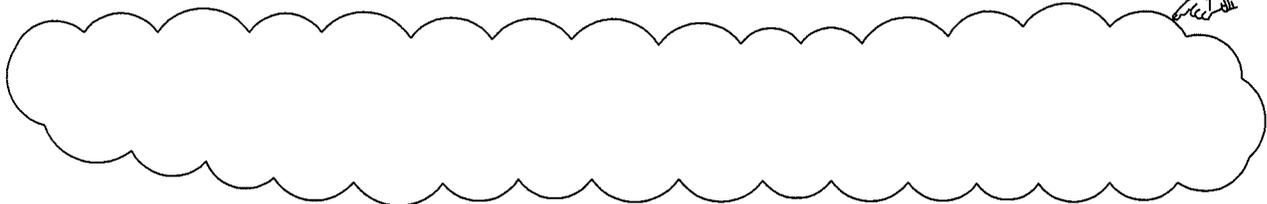
Access to gas valves must be maintained throughout construction and left at grade at the end of construction. Should valve boxes be damaged and need to be replaced National Grid will supply replacements upon request. **NEVER OPERATE A GAS VALVE. ONLY NATIONAL GRID SHALL OPERATE GAS VALVES.**

Clearance

Adequate clearance must be provided when installing other utilities, foundations, structures, etc. Contact National Grid engineer for guidance.

CONCRETE NOTES

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



2. THE CONTRACTOR MAY, AT THE APPROVAL OF THE ENGINEER, PROPOSE THE USE OF SELF-CONSOLIDATING CONCRETE FOR ANY CLASS OF CONCRETE ON THIS PROJECT. SECTION 606 "SELF CONSOLIDATING CONCRETE (SCC)", CONTAINS THE REQUIREMENTS FOR MODIFYING ALL CLASSES OF CONCRETE MIX DESIGN FOR SELF-CONSOLIDATING APPLICATIONS.
3. ALL PORTLAND CEMENT CONCRETE SHALL BE AIR-ENTRAINED.
4. ALL REINFORCING STEEL SHALL BE EPOXY COATED. ALL WIRE TIES AND MISCELLANEOUS HARDWARE USED FOR PLACEMENT OF EPOXY COATED REINFORCING SHALL ALSO BE EPOXY COATED. EPOXY COATING FOR REINFORCING STEEL SHALL CONFORM TO AASHTO DESIGNATION M 284.
5. ALL CRITICAL LAP SPLICES SHALL BE AS SHOWN ON THE PLANS. ALL SPLICES NOT SHOWN ON THE PLANS SHALL BE LAPPED IN ACCORDANCE WITH THE AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS FOR CLASS C LAP SPLICES.
6. THE TOP BARS IN THE DECK SLABS SHALL BE SPLICED AT THE CENTER OF SPANS BETWEEN GIRDERS. THE BOTTOM BARS SHALL BE SPLICED OVER THE GIRDERS.
7. UNLESS OTHERWISE INDICATED ON THE PLANS, ALL MAIN REINFORCING BARS SHALL HAVE THE FOLLOWING MINIMUM COVER:

CONCRETE CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH (FOOTINGS, ABUTMENT AND WALL FACES, BACKWALLS)		3"
DECK SLABS (WITH WEARING SURFACE)	TOP	2" (+1/4", -0")
	BOTTOM	1" (+1/8", -0")
ALL OTHER BARS		2"

COMMONWEALTH ENGINEERS & CONSULTANTS, INC. 400 SMITH STREET PROVIDENCE, RI 02908	TITLE OF SKETCH BRIDGE GENERAL NOTES SHEET 1		R.I. Contract No. 2013-CB-025	Sketch No. 1
	DECEMBER 7, 2012	ADDENDUM NUMBER 1	Revision to Sheet No. 6	