



Solicitation Information

RFQ #7464395

Date: May 20, 2013

Title: Rhode Island State Police HQ Parking Improvements

Closing Date and Time: May 28, 2013 at 11:30 am Local Prevailing Time

ADDENDUM # 2

Notice to Vendors:

Attached are vendor questions with state responses.

No additional questions will be answered.

Attachments to this Addendum:

1. Additional Specification Sections: Hot Mix Asphalt 9.5 and 12.5
2. C2 : Revised Site Layout Plan

Question 1. Who do we contact at State Police to arrange a site visit?

A. A non-mandatory site visit has been scheduled for 11:00 AM on Wednesday, May 22, 2013 at the State Police Headquarters in Scituate, please refer to Addendum One to this RFQ on the Purchasing website.

Question 2 . In the project specs, there is no indication that there will be a price adjustment for liquid asphalt, but in the bid sheets, there is no place to make that adjustment. Which is it?

A. There shall be no liquid asphalt and diesel fuel price adjustment for this project.

Question 3. The specs for the base course for this job call for a 12.5 millimeter asphalt mix for the base course, but that is not consistent with the state standard of 19 millimeters. That is the old state Class One. Can 19 mm superpave be substituted for 12.5 mm base course?

A. The proposed pavement structure as referenced on the plans will be the pavement used for this project, no substitutions will be accepted. Supplemental Specifications for Hot Mix Asphalt 9.5 and 12.5 are included in this addendum.

Question 4. Testing for asphalt mixes at the asphalt plant are specified, But who will do that, the project engineer? This conflicts with the current specs for supermix paving.

A. Testing will be the responsibility of the Division of Capital Projects and Property Management.

Question 5. There is language on page nine of the RFQ in the last paragraph concerning technical reviews. What does that mean?

A. This language is deleted. Please refer to Addendum One to this RFQ on the Purchasing website for exact wording for the deleted language.

Question 6. There is language in the solicitation talking about minority business enterprise participation. Is that applicable to the full scope of the job?

A. That is a goal. The successful bidder will be required to work with the MBE Administrator to achieve this goal. The MBE office is available at (401) 574-8253.

Question 7. What are the project work hour limitations?

A. The work hours are in the project manual see section 010000 - 4 subsection 1.12.

Question 8. In section 000410 Bid Form on page 2 of 10 under #2 Allowances there is section 2.2 and 2.3 that both refer to trench excavation. Please indicate the location of the trench excavation that these allowances are referencing.

A. The Allowance was established for the purposes of unforeseen Conditions incase Trench Excavation is necessary, at this time exact locations are not known.

Question 9. Starting on page 3 of 10 under #5 Unit Prices there are a total of 54 items of work. Please provide the location and quantity for each item listed.

A. The Purpose of the Unit Prices is to verify requisitions and if a change in scope of work is required due to unforeseen conditions, the Divisions of Purchases and Capital Projects has a unit cost from the Successful Vendor for the work need to be completed.

Question 10. Drawing number C-2 indicates trees to be transplanted. Where are the locations for the transplanted trees?

A. See attached Revised C-2 Drawing.

Question 11. Drawing number C-3 shows a detail for loam – seed. The note on this detail indicates the contractor is responsible to water these areas for one year. Can this time requirement be shortened?

A. No the Project should be bid as indicated.

HOT MIX ASPHALT CLASS 9.5

DESCRIPTION:

Hot Mix Asphalt-Class 9.5 shall conform to the requirements of the Specifications as noted in the Contract Documents, including Section 401 Dense Graded Bituminous Pavements, with the following exceptions and modifications.

MATERIALS:

1. Aggregate

The aggregate shall conform to the 3 to <10 million ESAL requirements of Table 5 in AASHTO M 323. No more than 10% of the aggregate shall be natural sand. All aggregate properties of Section M.03 shall apply.

2. Performance Graded Binder

The binder shall meet the requirements of PG 64-28, Grade S as specified in AASHTO M 320 and MP 19.

3. Mix Design

HMA mixes shall conform to AASHTO M 323, "Standard Specification for Superpave Volumetric Mix Design". The design procedure shall follow AASHTO R 35 "Standard Practice for Superpave Volumetric Design for Hot-Mix Asphalt (HMA)". The design specifications found in AASHTO M 323 shall supersede those found in the Standard Specifications. A mix design using PG 64-28 Grade S shall be used to determine the design binder content. The following specific requirements and exceptions to AASHTO M 323 shall apply.

- a. N_{initial} shall be 6, N_{design} shall be 50 and N_{max} shall be 75 gyrations.
- b. A moisture susceptibility test will not be required.
- c. The mix shall be designed at 4% voids.
- d. The VMA shall be greater than or equal to 16.5%.
- e. The VFA shall be 70 to 80 percent.
- f. The mix shall be coarse graded as defined in Section 6.1.3 of AASHTO M 323.
- g. The dust to binder ratio ($P_{0.075}/P_{be}$) shall be 0.5 – 1.0. The design effective binder content shall be used to calculate this ratio.

- h. No RAP will be allowed in the mix.
- i. In addition to the sieves listed in Table 3 of AASHTO M 323, the 0.600 mm, 0.300 mm and 0.150 mm sieves will be required. The 50.0 mm and 37.5 mm sieves will not be required.

The following procedures shall be adhered to for the mix design:

- Three trial blends shall be submitted and accepted before beginning the mix design procedure.
- All trial mixture data and calculations determined for Section 9 of AASHTO R 35 shall be submitted to the Engineer. The Engineer will determine which trial mixture shall be used for the mix design procedure.
- After the mix design is completed it shall be submitted to the Engineer for acceptance.

The gyratory cores and Rice (AASHTO T 209) samples at the design binder content shall be submitted to the Engineer.

A successful plant trial batch shall be performed before production of the HMA begins.

CONSTRUCTION METHODS:

1. Plant Laboratory

In addition to the requirements of Section 930 of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition and latest addenda, the contractor provided lab shall be equipped with the following:

Gyratory compactor conforming to AASHTO T 312 and two molds.

All equipment required to determine the theoretical maximum specific gravity in accordance with AASHTO T 209 Test Method A and Section 13.1. A metal pycnometer and electronic digital vacuum gauge shall also be provided.

All sieves required for the mix design process.

Facilities and equipment to perform a wet-wash in accordance with AASHTO T-30 and a faucet spray hose shall be provided.

2. Mix Production

Samples will be taken at the plant every 600 tons. The following mix production tolerances shall apply:

- a. The air voids (V_a) shall be 3.0 – 5.0 percent.
- b. The voids in mineral aggregate (VMA) shall be 16.5% minimum.

The following tolerances for gradation shall apply:

12.5mm	100%
9.5mm	90% - 100%
4.75mm	90% max
2.36mm	Established by the mix design $\pm 5\%$
0.075mm	Greater than or equal to 2.0%

In-place density shall be 92% of the theoretical maximum density obtained at the plant.

- 3. The Contractor is responsible for providing testing samples at the plant. Testing at the plant will not be conducted by the Engineer.

HOT MIX ASPHALT CLASS 12.5

DESCRIPTION:

Hot Mix Asphalt-Class 12.5 shall conform to the requirements of the Specifications as noted in the Contract Documents, including Section 401 Dense Graded Bituminous Concrete Pavements, with the following exceptions and modifications.

MATERIALS:

1. Aggregate

The aggregate shall conform to the 3 to <10 million ESAL requirements of Table 5 in AASHTO M 323. No more than 10% of the aggregate shall be natural sand. All aggregate properties of Section M.03 shall apply.

2. Performance Graded Binder

The binder shall meet the requirements of PG 64-28, Grade S as specified in AASHTO M 320 and MP 19.

3. Mix Design

HMA mixes shall conform to AASHTO M 323, "Standard Specification for Superpave Volumetric Mix Design". The design procedure shall follow AASHTO R 35 "Standard Practice for Superpave Volumetric Design for Hot-Mix Asphalt (HMA)". The design specifications found in AASHTO M 323 shall supersede those found in the Standard Specifications. A mix design using PG64-28 Grade S shall be used to determine the design binder content. The VMA and $VMA_{\text{effective}}$ shall be calculated for each asphalt content during the mix design process. The following specific requirements and exceptions to AASHTO M 323 shall apply.

- a. N_{initial} shall be 6, N_{design} shall be 50 and N_{max} shall be 75 gyrations.
- b. A moisture susceptibility test will not be required.
- c. The mix shall be designed at 4% voids.
- d. The VMA shall be greater than or equal to 15.5%.
- e. The VFA shall be 70 to 80 percent.
- f. The mix shall be coarse graded as defined in Section 6.1.3 of AASHTO M 323.

- g. The dust to binder ratio ($P_{0.075}/P_{be}$) shall be 0.5 – 1.0. The design effective binder content shall be used to calculate this ratio.
- h. No RAP will be allowed in the mix.
- i. In addition to the sieves listed in Table 3 of AASHTO M 323, the 0.600 mm, 0.300 mm and 0.150 mm sieves will be required. The 50.0 mm and 37.5 mm sieves will not be required.

The following procedures shall be adhered to for the mix design:

- Three trial blends shall be submitted and accepted before beginning the mix design procedure.
- All trial mixture data and calculations determined for Section 9 of AASHTO R 35 shall be submitted to the Engineer. The Engineer will determine which trial mixture shall be used for the mix design procedure.
- After the mix design is completed it shall be submitted to the Engineer for acceptance.

The gyratory cores and Rice (AASHTO T 209) samples at the design binder content shall be submitted to the Engineer.

A successful plant trial batch shall be performed before production of the HMA begins.

CONSTRUCTION METHODS:

1. Plant Laboratory

In addition to the requirements of Section 930 of the Rhode Island Department of Transportation Standard Specifications for Road and Bridge Construction 2004 Edition and latest addenda, the contractor provided lab shall be equipped with the following:

- Gyratory compactor conforming to AASHTO T 312 and two molds.
- All equipment required to determine the theoretical maximum specific gravity in accordance with AASHTO T 209 Test Method A and Section 13.1. A metal pycnometer and electronic digital vacuum gauge shall also be provided.
- All sieves required for the mix design process.
- Facilities and equipment to perform a wet-wash in accordance with AASHTO T-30 and a faucet spray hose shall be provided.

2. Mix Production

Samples will be taken at the plant every 600 tons. The following mix production tolerances shall apply:

- a. The air voids (V_a) shall be 3.0 – 5.0 percent.
- b. The voids in mineral aggregate (VMA) shall be 15.5% minimum.
- c. The percent passing the #200 sieve shall be 2.0% minimum.

The following tolerances for gradation shall apply:

19.0mm	100%
12.5mm	90% - 100%
9.5mm	90% max
2.36mm	Established by the mix design $\pm 5\%$
0.075mm	Greater than or equal to 2.0%

In-place density shall be 92% of the theoretical maximum density obtained at the plant.

- 3. The Contractor is responsible for providing testing samples at the plant. Testing at the plant will not be conducted by the Engineer.

NEW PAVEMENT STRUCTURE
 1 1/2" BITUMINOUS SURFACE COURSE
 3" BITUMINOUS BASE COURSE
 8" GRAVEL BORROW SUBBASE

GRADING NOTE

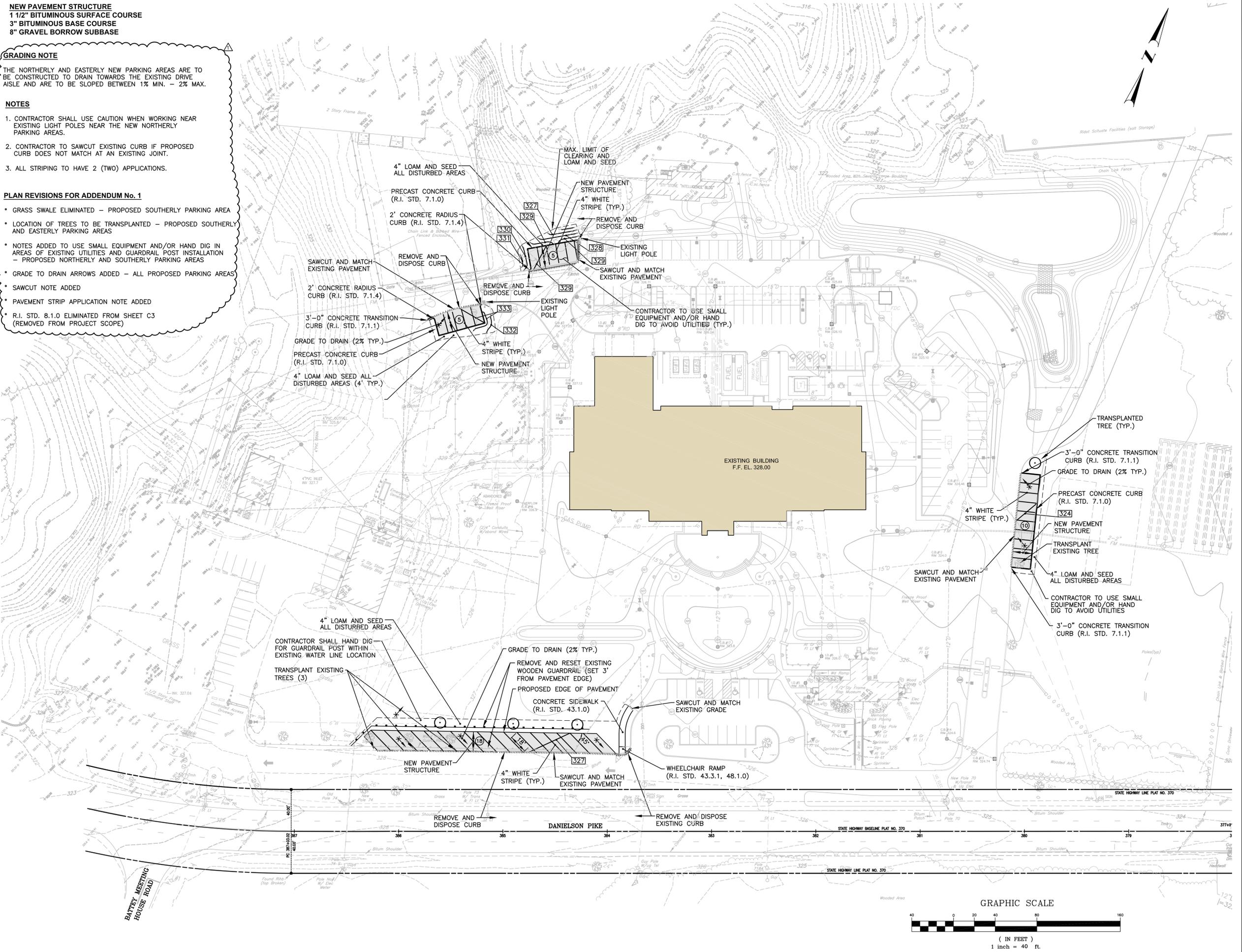
THE NORTHERLY AND EASTERLY NEW PARKING AREAS ARE TO BE CONSTRUCTED TO DRAIN TOWARDS THE EXISTING DRIVE AISLE AND ARE TO BE SLOPED BETWEEN 1% MIN. - 2% MAX.

NOTES

1. CONTRACTOR SHALL USE CAUTION WHEN WORKING NEAR EXISTING LIGHT POLES NEAR THE NEW NORTHERLY PARKING AREAS.
2. CONTRACTOR TO SAWCUT EXISTING CURB IF PROPOSED CURB DOES NOT MATCH AT AN EXISTING JOINT.
3. ALL STRIPING TO HAVE 2 (TWO) APPLICATIONS.

PLAN REVISIONS FOR ADDENDUM No. 1

- GRASS SWALE ELIMINATED - PROPOSED SOUTHERLY PARKING AREA
- LOCATION OF TREES TO BE TRANSPLANTED - PROPOSED SOUTHERLY AND EASTERLY PARKING AREAS
- NOTES ADDED TO USE SMALL EQUIPMENT AND/OR HAND DIG IN AREAS OF EXISTING UTILITIES AND GUARDRAIL POST INSTALLATION - PROPOSED NORTHERLY AND SOUTHERLY PARKING AREAS
- GRADE TO DRAIN ARROWS ADDED - ALL PROPOSED PARKING AREAS
- SAWCUT NOTE ADDED
- PAVEMENT STRIP APPLICATION NOTE ADDED
- R.I. STD. 8.1.0 ELIMINATED FROM SHEET C3 (REMOVED FROM PROJECT SCOPE)



KEY PLAN

PROPOSED PARKING IMPROVEMENTS

RHODE ISLAND STATE POLICE HEADQUARTERS
 311 DANIELSON PIKE
 NORTH SCITUATE, RHODE ISLAND

PREPARED FOR:
RHODE ISLAND DEPARTMENT OF ADMINISTRATION
 DIVISION OF CAPITAL PROJECTS and PROPERTY MANAGEMENT
 ONE CAPITOL HILL
 PROVIDENCE, RI 02908-5859

DRAWING TITLE: SITE LAYOUT PLAN

DATE: MAY 2013 SCALE: 1"=40'

DWG. NAME: 1852.20-C02-SITE-R1.dwg

REVISIONS

NUMBER	REMARKS	DATE
1	ADDENDUM No. 1	05/17/13

