



Greater New Haven Water Pollution Control Authority
New Haven, Connecticut

Plans and Specifications for the Construction of
CWF 2016-03
WEST RIVER CSO IMPROVEMENT PROJECT

CWF 2016-03 - ADDENDUM NO. 5

March 28, 2018

I. GENERAL

The attention of bidders submitting proposals for the above referenced project is called to the following Addendum to the Contract Plans and Specifications. The items set forth herein, whether of omission, addition, substitution, or clarification are all included in the proposed work.

This Addendum consists of 14 pages, and

- Attachment A – Item 11112xxA Temporary Detection Specification
- Attachment B – CTDEEP Email Regarding Bald Eagle Territory
- Attachment C – 102-20 Updated Itemized Proposal
- Attachment D – Updated Drawing Sheets

This Addendum is comprised of the following:

- Revised Bid Opening and Schedule
- Modifications to Specifications
- Modifications to Plans

Inclusion of this Addendum must be acknowledged by inserting its number, CWF 2016-03 – Addendum 5 on page 11 of 12 of Section 102-20 Itemized Proposal in the Bid Documents. Failure to acknowledge any or all addenda in the above-specified bid may be cause for rejection of the bid by the Owner on the grounds that it is not responsive.

II. REVISED BID OPENING and SCHEDULE

Please be advised that the **BID OPENING for Project CWF 2016-03 has been REVISED to Thursday, April 26, 2018 at 10:00 AM local time, at the GNHWPCA Offices located at 260 East Street, New Haven, Connecticut.**

Please be advised that a second non-mandatory Pre-Bid Meeting will be held on Wednesday,

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April 4, 2018 at 10:00 AM local time, at the GNHWPCA Offices located at 260 East Street, New Haven, Connecticut.

Please be advised the questions concerning this bid are to be submitted via email to Engineering@GNHWPCA.com and to TLoto@Kleinfelder.com no later than Noon on Thursday, April 12, 2018.

Additional Clarifications or Addenda, if needed, will be issued via email, no later than 5 days prior to the Bid Opening.

III. MODIFICATIONS TO SPECIFICATIONS

A. Within **Section 102-16 - Special Specifications and Notes** and under “Notice to Contractor – Project Coordination/Scheduling/Storage” on page SS-4, **Replace** requirement No. 2 with the following:

“2. The Contractor is only allowed to perform the work at CSO 003 and CSO 006 during the 10-hour night work period (Sunday through Thursday between 8:00 PM and 6:00 AM) and the 58-hour weekend work period (Friday night at 8:00 PM until Monday Morning at 6:00 AM) unless otherwise approved by the Engineer, the CT DOT and the City of New Haven. The work at CSO 004 may be performed during the 12-hour workday period (Monday through Friday between 7:00 AM and 7:00 PM) as well as the night and/or weekend periods. See further details in Notes 15 and 17 of the Special Specifications and Notes.”

B. Within **Section 102-16 - Special Specifications and Notes** and under “Notice to Contractor – Project Coordination/Scheduling/Storage” on page SS-4, after requirement No. 5, **Add** the following:

“6. The Contractor shall not perform work at CSO 003 and CSO 006 at same time. The detour routes for CSO 003 and CSO 006 overlap and therefore shall not be implemented at the same time.

7. The Contractor shall complete any roadway work near CSO 004 prior to the planned Summer of 2018 re-paving of Route 10. This work includes but is not limited to installation of mountable granite curb along with its pavement repair; establishing work area at Regulator 004 including temporary fencing and tracking pad; installation of field office with utilities; replacing manhole with watertight cover at Regulator 004.

8. Upon completion of the initial work and roadway work at Regulator 004, the Contractor shall perform the work at CSO 003. The contractor is advised that beginning August 17th with the Connecticut Open at Yale University, the availability for weekend work is very limited. The contractor should

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endeavor to complete all work at Regulator 003 prior to August 17, 2018. There will be no extension of time or costs due to the weekend work restrictions. See further details in Notes 15, 17, and 31 of the Special Specifications and Notes.”

- C. Within **Section 102-16 - Special Specifications and Notes** and under Note “3. Time for Completion” on page SS-6, **Revise** the Time for Completion from “three hundred sixty-five (365) consecutive calendar days” to “three hundred (300) consecutive calendar days”.

- D. Within **Section 102-16 - Special Specifications and Notes** and under Note “15. Construction Traffic, Scheduling, Access and Storage of Materials” on page SS-9, **Replace** the entire Note with the following, and see **Attachment A** for Item 11112xxA Temporary Detection Specification:

“The Contractor shall maintain and protect traffic in accordance with Item 971 "Maintenance and Protection of Traffic" of the Standard Specifications, except as may be modified elsewhere in the Contract Documents. The Contractor shall be responsible for the re-timing of the existing traffic signal systems impacted by construction. The Contractor shall hire a traffic engineer, acceptable to the Owner, to perform a traffic analysis and review signal timing for the intersections adjacent to Regulator 003 and Regulator 006 as it relates to night and weekend construction. The Contractor shall also retain a traffic signal subcontractor, who may also be the traffic engineer, acceptable to the Owner, to adjust and maintain traffic signaling as necessary. The Contractor’s traffic engineer should consider the impact of left turn arrows on traffic flow when performing their analysis and review. The Contractor shall provide a 24-hour telephone number for emergencies during construction related to traffic signal maintenance. Work pre-authorized by the Engineer shall be covered under the allowance in **Item 971D – Traffic Signaling**.

The signal system at the intersection of Whalley Avenue and Fitch Street is under the jurisdiction of the City of New Haven. The signal system at the intersection of Orange Avenue and Ella Grasso Boulevard is under the jurisdiction of CTDOT.

The Contractor shall provide and maintain temporary detection for the left turn lane at Orange Avenue. All work shall be performed as required per Item 11112xxA. Any other detection that becomes impaired during construction shall have temporary detection installed per the specification. There shall not be a separate payment for Item 11112xxA, but the cost shall be included in the appropriate **Item 971A, 971B, or 971C - Maintenance and Protection of Traffic** for the particular Regulator. Permanent restoration of Loop Detectors shall be per CTDOT Specification 816 Section 11.11 Loop Vehicle Detector and Sawcut and paid for under **Item 1111 – Loop Vehicle Detector and Sawcut**.



The Contractor shall prepare and provide a traffic control plan in accordance with MUTCD and Item 971 "Maintenance and Protection of Traffic" of the Standard Specifications for the replacement of the manhole frame and cover and installation of the granite slope curbing on Route 10 near CSO 004. The contractor shall provide a project site specific plan. The Contractor may wish to prepare short duration Maintenance and Protection of Traffic (MPT) Plans for the Test Pit program at both Regulator 003 and Regulator 006. These MPT Plans are to be submitted for review and approval prior to implementation. The cost of these separate plans are to be included in the applicable pay item under 971A or 971C.

Contractor's operations shall comply with the City of New Haven Noise Ordinance.

The project “workday” hours shall be 7:00 AM through 7:00 PM, Monday through Friday, unless otherwise directed by the Engineer.

The project “night work” hours shall be 8:00 PM through 6:00 AM the following morning, Sunday through Thursday, unless otherwise approved by the Engineer, the CT DOT and the City of New Haven.

The project “weekend work” hours shall be from 8:00 PM Friday evening through 6:00 AM Monday morning unless otherwise approved by the Engineer, the CT DOT and the City of New Haven.

The Contractor shall be liable for any fines, penalties, or costs imposed by permitting authorities for failure to re-open the roadway fully to traffic by the ending hour identified above. These costs shall be assessed against the funds due the contractor.

Below is a table summarizing the project’s allowable work hours by location:

	12-HR Workday	10-HR Night Work	58-HR Weekend Work
CSO 003	Not Allowed	Allowed	Allowed
CSO 004	Allowed	Allowed	Allowed
CSO 006	Not Allowed	Allowed	Allowed

The project night and weekend work dates and hours must be requested and approved by the Engineer in advance. See restrictions below and in Note 17 – Winter Construction/Work Restrictions.

No work shall be performed during holiday weekends from day before the holiday through day after the holiday. The Contractor shall note that the following days are holidays or special events that may prohibit or limit construction operations (dates may be subject to change). The Contractor shall anticipate that no construction operations will occur in the roadways unless prior written authorization is obtained from the



Engineer. Note Holidays and Special Events are shown during anticipated construction period. Should construction period extend beyond the period shown, Holidays and Special Events will be considered on the subsequent year's dates.

1. **Memorial Day Weekend (May 28, 2018)**
2. New Haven International Festival for the Arts and Ideas (June 9-23, 2018)
3. Fountain Street Festival
4. **Independence Day (July 4, 2018)**
5. Connecticut Open at Yale University (August 17-25, 2018)
6. Move-In Week at SCSU (August 20 to 28, 2018)
7. Move-In Week at Yale University (August 22 to 27, 2018)
8. Move-In Week at University of New Haven (August 22 to 27, 2018)
9. 41st Faxon Law New Haven Road Race (Labor Day: September 3, 2018)
10. **Labor Day Weekend (September 3, 2018)**
11. New Haven Closer to Free Ride (September 8, 2018)
12. Yale University Home Football Games (typically on Saturdays from September thru November 2018)
13. **Thanksgiving Day and the Friday after (November 22-23, 2018)**
14. **Christmas Eve and Christmas Day (December 24-25, 2018)**
15. **New Year's Day (January 1, 2019)**
16. **Rev. Dr. Martin Luther King, Jr. Holiday Weekend (January 21, 2019)**
17. **Lincoln's Birthday (February 12, 2019)**
18. **President's Day Weekend (February 18, 2019)**
19. **Good Friday (April 19, 2019)**
20. ArtWalk Westville Neighborhood (May 10-12, 2019)
21. **Memorial Day Weekend (May 27, 2019)**

The Engineer may enforce a work, or partial work, stoppage for other events when requested by CT DOT, the City of New Haven or the Authority. Should other events and dates be added to the above list after the Contract is awarded, the Contractor shall be entitled to an extension in the Contract time, but will not be allowed any claim for additional compensation. The extension of time shall be reasonable and subject to mutual agreement between the Contractor and the Authority. In no case shall the time extension be greater than twice the actual days of work stoppage.

At no time shall work occur outside the designated Contract working hours on any portion of this project without prior written approval of the Engineer, the CT DOT, and the City of New Haven. Allow at least 48 hours notice on any request.

All trenches/open cut areas must be either backfilled and paved or covered with steel plates and/or bridging and opened fully to normal pedestrian and vehicular traffic as indicated on the MP&T Plans at the end of each work period. CT DOT and City permits, as well as design reviews are required for any steel plates or bridging used in the right-of-way. All areas must be clean of debris by the end of the permitted work period. See steel plate restrictions in Note 17 – Winter Construction/Work Restrictions.



The Contractor is responsible for arranging for a location for their, construction trailers and for performing his/her staging and storage of materials, all of which is subject to approval of the Engineer. The CSO 004 site shall be used as the location for the engineer’s construction field office. The Contractor should be aware that there is very limited amount of roadway storage and that he must adjust his operations for bringing some materials onto the project site only as needed. No materials shall be allowed to be stored overnight on the streets without prior approval of the Engineer. The Contractor shall be prepared to vacate areas where work is complete, or mainly complete, to allow street parking to be re-opened and to minimize disruption to adjacent residences and businesses.

The location of the project is in an active urban area, comprised of numerous businesses, institutional establishments and residential establishments. These establishments depend upon access by pedestrians and vehicles to conduct their activities. The Contractor shall provide signs saying **BUSINESSES OPEN DURING CONSTRUCTION** during construction for CSO 003 and CSO 006 as required. This work shall be paid for under **Item 971A – Maintenance and Protection of Traffic at CSO 003** and **Item 971C – Maintenance and Protection of Traffic at CSO 006**.

The Contractor shall prepare Detour Plan(s) using standard signage. Detour Signs shall say **DETOUR NIGHTS & WKNDS**, as shown on Sheet No. 19A, 19B and 20A of the Contract Drawings. The Contractor shall notify all Emergency Services of detours and traffic layouts throughout construction.”

- E. Within **Section 102-16 - Special Specifications and Notes** and under Note “17. Winter Construction/Work Restrictions” on page SS-10, **Replace** the entire Note with the following, and see **Attachment B** for the update regarding bald eagle status:

“It is CT DOT policy and requirements that no permanent steel plates and/or bridging will be allowed in roadways between November 1st and April 30th without prior written approval from CT DOT and the City of New Haven. Some short duration work may be allowed by CT DOT if weather permits, however, the contractor must be prepared to backfill all open-cut excavations and shall place temporary or permanent hot bituminous pavement, as the case may be, over all backfilled areas prior to any inclement weather. There will be no additional time or payment for the backfilling and re-excavation at a location due to weather conditions.

The Contractor may choose to request a “winter shutdown” during the period from December 15th to April 1st if there is no work permitted in the roadways and all of the work is completed at Regulator 004, except for final site restoration. No work stoppage shall occur without written approval from the Engineer and the Authority. If excavated areas within pavements must be temporarily sealed during the winter period, the use of “cold patch” (Class 5) or a “Hybrid Asphalt” (**Wespro**, QPR High Performance Repair, or equivalent) will not be allowed without the express approval of the CT DOT, the

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City of New Haven, and the Engineer. If permitted, the cost of temporary paving with cold patch (Class 5), or Hybrid Asphalt will be paid for under **Item 407.00 – Temporary Pavement, Class 2, 2” Bituminous.**

Should the Contractor be unable to complete all Contract work during the project period because of unusual weather conditions, as determined by the Engineer, that may extend the shutdown period, the Contractor shall be granted a time extension only, but shall not receive any additional compensation. A time extension will not be granted due to the failure of the Contractor to pursue the work diligently prior to any winter shutdown.

When directed by the Engineer, the Contractor shall provide an asphalt skim coat to reopen streets to full, two-way traffic for the duration of the winter shutdown. The asphalt skim coat shall be paid for per ton under **Item 407.50 - Bituminous Concrete Skim Coat, Class 2, 1” thickness.**

When directed, the Contractor shall re-stripe the pavement surface to provide adequate pavement markings, and street parking shall be restored to the extent possible. The contractor shall advise New Haven Transportation, Traffic and Parking that any parking meters they had removed for construction may be reinstalled. No additional payment for reopening streets for winter shutdown will be allowed. The cost shall be included in the Maintenance and Protection of Traffic bid items. The cost of the skim coat and temporary re-striping of the pavement surfaces will be paid under the applicable unit prices bid.

While the CT DOT and the City of New Haven will perform normal snow removal within street right-of-way, the Contractor shall be aware that he/she may be required to remove excess snow to the curb line to provide for parking and the required traffic lanes through the construction area in accordance with the MP&T Plans. In addition, the Contractor shall ensure that all sidewalk areas throughout the construction limits have a minimum of 4-foot wide pedestrian walkway cleared of snow. Due to limited storage space within the project limits, the Contractor shall assume the snow must be trucked off-site. The Contractor shall check with the CT DOT and New Haven Public Works Department for an approved location for excess snow dumping outside the project limits. There shall be no separate measurement or payment for this potential snow clearing work. The cost shall be included in other Contract pay items.

The Contractor shall note the Natural Diversity Data Base Determination No. 201614334 by CT DEEP regarding **Bald Eagle (*Haliaeetus leucocephalus*)-State status: Threatened** within the project area of CWF 2016-03 West River CSO Improvement Project has been removed.”

- F. Within **Section 102-16 - Special Specifications and Notes** and under Note “31. Sequence of Construction Outline” on page SS-21, **Replace** the entire Note with the following:



“The following construction sequence is very preliminary and is intended as a general guide to the Contractor. It also is intended to convey a timeline that is critical to the Authority. This timeline stresses the need for scheduling simultaneous work in different areas of the Project and the use of multiple work crews to ensure the proposed work is completed within the allotted Contract Time and with minimal disruption to the public. The Contractor shall use the following suggested sequence to prepare his own Project Schedule that will be submitted for review prior to the start of construction.

Also, please refer to the Maintenance and Protection of Traffic drawings that show the recommended minimum traffic control that will be required in those areas of the Project when the construction noted below is ongoing.

The Contractor shall not perform work at CSO 003 and CSO 006 at same time. The detour routes for CSO 003 and CSO 006 shall not be implemented at the same time. The Contractor may perform work at CSO 004 at the same time as either CSO 003 or CSO 006.

The Contractor shall complete any roadway work on Route 10 near CSO 004 prior to the planned Sommer of 2018 re-paving work. The Contractor shall coordinate re-paving work schedule with the City of New Haven. The Contractor shall perform the work at CSO 003 with the intent to complete the work prior to the University of New Haven fall session on August 22nd, 2018. The Contractor shall also perform the work at CSO 006 with the intent to complete the work prior to the November 1st steel plate and bridging moratorium (See Note 17 – Winter Construction/Work Restrictions).

A suggested schedule is included below for the Contractor to use as a guideline in the preparation of the Project Schedule.

West River CSO Improvements Project:

1. Contact the CTDOT for the latest paving schedule for Route 10
2. Replace the indicated manhole frame and cover in roadway, install curbing, silt fence and field office at CSO 004 prior to paving of Route 10
3. Install Catch Basin Check Valves adjacent to Regulator 003 prior to paving of Route 10
4. Install replacement trees at Regulator 004 during the first planting season
5. Perform Vacuum Excavation or other Test Pits at CSO 003, 004 and 006 to confirm existing utilities and structures
6. Provide Test Pit data to Engineer so they may establish final location of Regulator Structures to avoid existing or potential conflicts.
7. Install Verification Test Pile at Regulator 004 site and perform Verification Load Test
8. Install CSO 003 Foundation Support System
9. Construct CSO 003 Concrete Pile Cap Foundation

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10. Install 12” Drain Lateral Replacements
11. Construct CSO 003 Regulator Structure
12. Construct CSO 003 Weir and Install Stop Logs
13. Complete work at CSO 003 except for final restoration
14. Install CSO 006 Foundation Support System
15. Construct CSO 006 Concrete Pile Cap Foundation
16. Construct CSO 006 Regulator Structure
17. Construct CSO 006 Weir and Install Stop Logs
18. Complete work at CSO 006 except for final restoration
19. Install CSO 004 Foundation Support System
20. Construct CSO 004 Concrete Pile Cap Foundation
21. Construct CSO 004 Regulator Structure
22. Construct CSO 004 Weir and Install Stop Logs
23. Complete work at CSO 004 except for final restoration

Final Restoration at all sites will be weather dependent and with the approval of the Engineer, CT DOT, and the City of New Haven.”

- G. Within **Section 102-16 - Special Specifications and Notes** and under Note “34. List of Drawings” on page SS-24, **Add** the following rows in the table after row 19:

- 19A DETOUR PLAN – SOUTHERN ROUTE CSO REGULATOR 003
- 19B DETOUR PLAN – NORTHERN ROUTE CSO REGULATOR 003

- H. Within **Section 102-16 - Special Specifications and Notes** and under Note “34. List of Drawings” on page SS-24, **Add** the following row in the table after row 20:

- 20A DETOUR PLAN CSO REGULATOR 006

- I. Within **Section 102-16 - Special Specifications and Notes** and under Note “34. List of Drawings” on page SS-24, **Modify** the following row in the table as shown:

- 23 CSO REGULATOR 003 TRAFFIC CONTROL STAGE 3-&4

- J. Within **Section 102-16B - Special Specifications and Notes - Modifications to the GNHWPCA Technical Specifications** and under Note “60.O Modification to Item 971 “Maintenance and Protection of Traffic”” on page SS-61, **Replace** Note 16 with the following paragraph:

“16. Temporary Bridging:

Contractor shall provide temporary bridging or steel plates over the work areas so the roadways may be fully reopened to traffic at the end of the work period. Temporary bridging shall comply with AASHTO HS 20 loading requirements. Shop drawings and calculations prepared and approved by a Connecticut licensed Professional

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Engineer shall be submitted for review. The cost of temporary bridging or steel plates shall be included in the site-specific pay **Item 971A, 971B, or 971C.**”

- K. Within **Section 102-16B - Special Specifications and Notes - Modifications to the GNHWPCA Technical Specifications** and under Note “60.O Modification to Item 971 “Maintenance and Protection of Traffic”” on page SS-61, **Add** the following after the second to last paragraph:

“Separate this Item into three (3) lump sum items: Item 971A (Maintenance and Protection of Traffic at CSO 003), Item 971B (Maintenance and Protection of Traffic at CSO 004), and Item 971C (Maintenance and Protection of Traffic at CSO 006); and one (1) allowance item: Item 971D (Traffic Signaling).”

- L. Within **Section 61 - Special Technical Specifications, Item 715 Drilled Minipiles** and under “Pile Load Test Program” on page 715-14, **Replace** No. 2 with the following:

“Perform compression load testing in accordance with ASTM D1143 and the requirements of MSBC subsection 1810.3.3.1.2 for the verification load testing at CSO 004. Perform load testing in tension in accordance with ASTM D3689 and MSBC subsection 1810.3.3.1.11 for the proof load testing of production piles at the three CSO locations.”

- M. Within **Section 61 - Special Technical Specifications, Item 715 Drilled Minipiles** and under “Pile Load Test Program” on page 715-15, **Replace** the last sentence with the following under No. 10.a.:

“The verification test pile shall be located within 15 feet of CSO 004.”

- N. Within **Section 61 - Special Technical Specifications, Item 715 Drilled Minipiles** and under “Pile Load Test Program” on page 715-16, **Delete** the following paragraphs under No. 10:

b. Contractor shall perform a minimum of four exploratory minipile drill probes at non-production pile locations distributed across the project site. Authority’s Engineer will identify specific locations for the exploratory drill probes based on previous borings performed at the site and the foundation plan.

c. Based upon the results of the exploratory minipile probes, the Authority’s Engineer will select the exploratory minipile probe to be completed as the verification test pile. The remaining exploratory minipile probe locations shall be backfilled with bentonite chips and/or cement grout.

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- O. **Replace Section 102-20 – Itemized Proposal** including the inserts for the compiled Bidder’s Checklist with the updated Itemized Proposal included in **Attachment C**. The Bidder should note that Item 19 – **407.50 (Bituminous Concrete Skim Coat, Class 2, 1” Thickness)** has been added. Item 44 – **971 (Maintenance and Protection of Traffic)** has been replaced with Item 45 – **971A (Maintenance and Protection of Traffic at CSO 003)**, Item 46 – **971B (Maintenance and Protection of Traffic at CSO 004)**, and Item 47 – **971C (Maintenance and Protection of Traffic at CSO 006)**. The Bidder should also note that Item 48 – **971D (Traffic Signaling)** has been added, and Items 19-61 have been renumbered as Items 20-65. Item 1111 has been renamed as “Loop Vehicle Detector and Sawcut”.

IV. MODIFICATIONS TO PLANS

The following Plans Sheets were modified and are included as Attachment D:

- A. **Sheet No. 1, Cover Sheet:** Modifications to List of Drawings.

The following sheets have been **Added**:

- a. Sheet No. 19A, Detour Plan – Southern Route CSO Regulator 003
- b. Sheet No. 19B, Detour Plan – Northern Route CSO Regulator 003
- c. Sheet No. 20A, Detour Plan – CSO Regulator 006

- B. **Sheet No. 6, Plan & Profile CSO Regulator 003:**

- a. Revised sheet number in reference to concrete sidewalk

- C. **Sheet No. 7, Plan & Profile CSO Regulator 004:**

- a. Updated special note no. 1 in reference to Eagle nesting area.
- b. Added annotation in regards to granite slope curbing.
- c. Added note no. 7: “THE CONTRACTOR IS PROHIBITED FROM PARKING OUTSIDE OF THE LIMIT OF DISTURBANCE (LOD) SHOWN ON THE DRAWINGS”.
- d. Added note no. 8: “REFER TO SPECIAL SPECIFICATION SECTION 31 FOR CONSTRUCTION SEQUENCING”.

- D. **Sheet No. 19, Construction Sequencing Plan CSO Regulator 003:**

- a. Changed the word “STAGE” to “SEQUENCE” for all four plan views.
- b. Changed order of construction sequence. The southern proposed cast-in-place pile cap was changed to be sequence 1. The northern proposed cast-in-place pile cap was changed to be sequence 2.
- c. Removed elevated temporary bridge system from sequence 3.
- d. Modified suggested construction sequence note no. 7 & 8 to change order to have southern pile cap installed before the northern. Changed “STAGE” to “SEQUENCE”.
- e. Removed suggested construction sequence note no.10.
- f. Modified suggested construction sequence note no.14; changed “STAGE” to

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“SEQUENCE”.

- g. Modified suggested construction sequence note no.16; changed “STAGE” to “SEQUENCE”.
- h. Modified suggested construction sequence note no. 17 to delete “Pressure Test and”.
- i. Added “OR WEEKEND” under general note no. 2.
- j. Removed general note no. 4 in reference to estimated construction duration.
- k. Removed suggested detour plan in lower right-hand corner.

E. Sheet No. 20, Construction Sequencing Plan CSO Regulator 006:

- a. Changed the word “STAGE” to “SEQUENCE” for all three plan views.
- b. Modified suggested construction sequence no. 7 & 8; changed “STAGE” to “SEQUENCE”.
- c. Modified suggested construction sequence no. 10; changed “STAGE” to “SEQUENCE”.
- d. Modified suggested construction sequence note no. 15 to delete “PRESSURE TEST AND”.
- e. Added “OR WEEKEND” under general note no. 2.
- f. Removed general note no. 4 in reference to estimated construction duration.
- g. Removed suggested detour plan in lower right-hand corner.

F. Sheet No. 21, Maintenance and Protection of Traffic General Notes & Details:

- a. Revised general note no. 5; added “BARRICADE WARNING LIGHTS (HIGH INTENSITY) SHALL BE MOUNTED ON ALL DIAMOND SHAPED POST-MOUNTED CONSTRUCTION SIGNS. CONTRACTOR TO COORDINATE WITH OFFICIALS HAVING JURISDICTION OVER THE AFFECTED CROSS STREETS AND PROVIDING EMERGENCY SERVICES SHALL OCCUR PRIOR TO IMPLEMENTING DETOUR”.
- b. Revised general note no. 15; added “ALL CONSTRUCTION SIGNS ARE TO BE INSTALLED ON BREAKAWAY POSTS”.
- c. Deleted general note no. 16 in reference to temporary pavement markings.
- d. Deleted general note no. 17 in its entirety and replaced with “WHERE EXISTING TRAFFIC CONTROL LOOPS ARE REMOVED OR DAMAGED, THE CONTRACTOR SHALL INSTALL NEW TRAFFIC DETECTOR LOOPS PER CT DOT SPECIFICATION 816 SECTION 11.11 LOOP VEHICLE DETECTOR AND SAWCUT. DURING CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE TEMPORARY VEHICLE DETECTION PER SPECIFICATION 11112xxA.”
- e. Revised general note no. 18; added “REFER TO SPECIAL SPECIFICATION SECTION 15 FOR MORE INFORMATION. PAYMENT SHALL BE INCLUDED IN THE ALLOWANCE FOR ITEM

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971-D TRAFFIC SIGNALING”. Added jurisdiction of intersections. Removed “THE COST SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR “MAINTENANCE AND PROTECTION OF TRAFFIC. THERE SHALL BE NO ADDITIONAL PAYMENT”.

- f. Revised general note no. 19; added “CONTRACTOR TO PLACE BUSINESSES OPEN DURING CONSTRUCTION SIGNS DURING CONSTRUCTION FOR CSO 003 AND 006, AS REQUIRED”.
- g. Added general note no. 25 “NO PERMANENT PLATES WILL BE ALLOWED IN THE ROADWAYS BETWEEN NOVEMBER 1ST AND APRIL 30TH”.
- h. Added “Businesses Open During Construction” sign.
- i. Added “Trucks Entering” sign.

G. Sheet No. 22, CSO Regulator 003 Traffic Control Stage 1 & 2:

- a. Switched Stage 1 and Stage 2 based on suggested construction sequence.
- b. Added “WEEKEND OR” under General Note no. 2.
- c. Deleted general note no. 4 in reference to estimated construction duration.
- d. Deleted bid submission note.
- e. Added general note no. 7 “SEE SHEET 19A & B FOR DETOUR PLAN AND SIGN DETAILS” and applicable Detour Signs per the Detour Plan (sheet 19A & B) in the vicinity of CSO Regulator 003 construction.

H. Sheet No. 23, CSO Regulator 003 Traffic Control Stage 3

- a. Deleted Stage 3 Traffic Control Plan (sheet top view) and replaced with Stage 3 Traffic Control Plan (sheet bottom view).
- b. Revised sheet title to be “Stage 3”.
- c. Revised general note no. 2 to add “WEEKEND OR”.
- d. Deleted general note no. 4.
- e. Deleted general note no. 7.
- f. Revised general note no. 8; added “CONTRACTOR SHALL DESIGN AND PROVIDE A PROTECTED DESIGNATED PEDESTRIAN WALKWAY WHENEVER CONSTRUCTION IS IN THE VICINITY OF THE SIDEWALK AREAS.”
- g. Deleted bid submission note.
- f. Added applicable Detour Signs per the Detour Plan (sheet 19A & B) in the vicinity of CSO Regulator 003 construction.

I. Sheet No. 24, CSO Regulator 004 Traffic Control Stage 1:

- a. Added “Trucks Entering” sign.
- b. Deleted bid submission note.
- c. Added general note no. 5 “THE CONTRACTOR SHALL PROVIDE A PROJECT SPECIFIC TRAFFIC CONTROL PLAN IN ACCORDANCE WITH MUTCD AND ITEM 971 “MAINTENANCE AND PROTECTION



OF TRAFFIC” OF THE STANDARD SPECIFICATIONS FOR THE REPLACEMENT OF THE MANHOLE FRAME AND COVER AND INSTALLATION OF GRANITE SLOPE CURBING ON ROUTE 10 (ELLA GRASSO BOULEVARD).”

d. Added MUTCD TA-21, Figure 6H-21 detail to sheet bottom view.

J. Sheet No. 25, CSO Regulator 006 Traffic Control Stage 1 and 2:

- a. Deleted general note no. 4 in reference to estimated construction duration.
- b. Modified general note no. 7; added “SIGNAGE DIRECTING TRAVELERS TO TEMPORARY BUS STOP(S) SHALL BE PAID FOR UNDER ITEM 1208 – SIGN FACE – SHEET ALUMINUM.”
- c. Deleted bid submission note.

K. Sheet No. 26, CSO Regulator 006 Traffic Control Stage 3:

- a. Revised general note no. 2 to add “WEEKEND OR”.
- b. Deleted general note no. 4 in reference to estimated construction duration.
- c. Modified general note no. 7; added “SIGNAGE DIRECTING TRAVELERS TO TEMPORARY BUS STOP(S) SHALL BE PAID FOR UNDER ITEM 1208 – SIGN FACE – SHEET ALUMINUM.”
- d. Deleted bid submission note.

L. Sheet No. 27, Landscape Plan CSO Regulator 004:

- a. Added note no. 7: “THE CONTRACTOR IS PROHIBITED FROM PARKING OUTSIDE OF THE LIMIT OF DISTURBANCE (LOD) SHOWN ON THE DRAWINGS”.
- b. Added note no. 8: “REFER TO SPECIAL SPECIFICATION SECTION 31 FOR CONSTRUCTION SEQUENCING”.

M. Sheet No. 28, Landscape Details:

- a. Added detail for granite sloped curbing.

The following Plan Sheets are hereby added to the Contract:

N. Sheet No. 19A, Detour Plan – Southern Route CSO Regulator 003:

- a. Added southern route detour plan for US Route 1.

O. Sheet No. 19B, Detour Plan – Northern Route CSO Regulator 003:

- a. Added northern route detour plan for US Route 1.

P. Sheet No. 20A, Detour Plan CSO Regulator 006:

- a. Added detour plan for CT Route 63.

END OF ADDENDUM NO.5

Attachment A

Item 11112xxA Temporary Detection Specification

ITEM NO. 1111201A – TEMPORARY DETECTION (SITE NO. 1)

ITEM NO. 1111202A – TEMPORARY DETECTION (SITE NO. 2)

ITEM NO. 1111203A – TEMPORARY DETECTION (SITE NO. 3)

ITEM NO. 1111204A – TEMPORARY DETECTION (SITE NO. 4)

ITEM NO. 1111205A – TEMPORARY DETECTION (SITE NO. 5)

ITEM NO. 1111206A – TEMPORARY DETECTION (SITE NO. 6)

ITEM NO. 1111207A – TEMPORARY DETECTION (SITE NO. 7)

ITEM NO. 1111208A – TEMPORARY DETECTION (SITE NO. 8)

ITEM NO. 1111209A – TEMPORARY DETECTION (SITE NO. 9)

ITEM NO. 1111210A – TEMPORARY DETECTION (SITE NO. 10)

ITEM NO. 1111211A – TEMPORARY DETECTION (SITE NO. 11)

ITEM NO. 1111212A – TEMPORARY DETECTION (SITE NO. 12)

ITEM NO. 1111213A – TEMPORARY DETECTION (SITE NO. 13)

ITEM NO. 1111214A – TEMPORARY DETECTION (SITE NO. 14)

ITEM NO. 1111215A – TEMPORARY DETECTION (SITE NO. 15)

ITEM NO. 1111216A – TEMPORARY DETECTION (SITE NO. 16)

ITEM NO. 1111217A – TEMPORARY DETECTION (SITE NO. 17)

ITEM NO. 1111218A – TEMPORARY DETECTION (SITE NO. 18)

Description:

Provide a Temporary Detection (TD) system at signalized intersections throughout the duration of construction, as noted on the contract plans or directed by the Engineer. TD is intended to

provide an efficient traffic-responsive operation which will reduce unused time for motorists travelling through the intersection. A TD system shall consist of all material, such as pedestrian pushbutton, accessible pedestrian signal, conduit, handholes, cable, messenger, sawcut, loop amplifier, microwave detector, Video Image Detection System (VIDS), Self-Powered Vehicle Detector (SPVD), and any additional components needed to achieve an actuated traffic signal operation.

Materials:

Material used for TD is either owned by the Contractor and in good working condition, or existing material that will be removed upon completion of the contract. Approval by the Engineer is needed prior to using existing material that will be incorporated into the permanent installation. New material that will become part of the permanent installation is not included or paid for under TD.

Construction Methods:

The work for this item includes furnishing, installation, relocating, realigning, and maintaining the necessary detection systems as to provide vehicle and pedestrian detection during each phase of construction. If not shown on the plan, program the TD modes (pulse or presence) as the existing detectors or as directed by the Engineer. If the TD method (loops, SPVD, microwave, VIDS, pushbutton, or other) it may be the Contractor's choice. The method chosen for TD must be indicated on the TD Plan submission.

The traffic signal plan-of-record, if not in the controller cabinet will be provided upon request. Ensure the controller phase mode (recall, lock, non-lock) and phase timing are correct for the TD. Adjust these settings as needed or as directed by the Engineer.

At least 30 days prior to implementation of each phase of construction submit a TD proposal to the Engineer for approval. Submit the TD proposal at the same time as the Temporary Signalization plan. Indicate the following information for each intersection approach:

- Phase Mode
- Temporary Detection Method
- Area of Detection
- Detector Mode

Submit the proposed temporary phase timing settings and the TD installation schedule with the TD proposal. See the example below.

Example Proposed Temporary Detection and Timing

Site 1

Warren, Rt. 45 at Rt. 341, Location #149-201

Approach	Phase	Phase Mode	TD Method	Area of Detection	Det Mode
<i>Rt. 45 NB</i>	<i>2</i>	<i>Min Recall</i>	<i>VIDS</i>	<i>150' from Stop Bar</i>	<i>Pulse</i>
<i>Rt. 45 SB</i>	<i>2</i>	<i>Min Recall</i>	<i>SPVD</i>	<i>150' from Stop Bar</i>	<i>Pulse</i>
<i>Rt. 341</i>	<i>4</i>	<i>Lock</i>	<i>Microwave</i>	<i>30' from Stop Bar</i>	<i>Pulse</i>
<i>Rt. 341</i>	<i>4</i>	<i>Lock</i>	<i>Pushbutton</i>	<i>At SE & SW corners</i>	<i>n/a</i>

Temporary Phase Timing Settings:

Phase	Min	Ped	Ped Clr	Ext	Max 1	Max2	Yel	Red
<i>2</i>	<i>20</i>	<i>0</i>	<i>0</i>	<i>6</i>	<i>45</i>	<i>60</i>	<i>4</i>	<i>1</i>
<i>4</i>	<i>14</i>	<i>7</i>	<i>9</i>	<i>3</i>	<i>27</i>	<i>35</i>	<i>3</i>	<i>1</i>

Scheduled TD: *July 4, 2011*

Site 2

Scotland, Rt. 14 at Rt. 97, Location #123-201

Approach	Phase	Phase Mode	TD Method	Area of Detection	Det Mode
<i>Rt. 15 WB Left Turn</i>	<i>1</i>	<i>Non-Lock</i>	<i>VIDS</i>	<i>5' in front to 10' Behind Stop Bar</i>	<i>Presence</i>
<i>Rt. 14 EB</i>	<i>2</i>	<i>Min Recall</i>	<i>Existing Loop</i>	<i>150' from Stop Bar</i>	<i>Pulse</i>
<i>Ped Phase</i>	<i>3</i>	<i>Non-Lock</i>	<i>Pushbutton</i>	<i>At all corners</i>	<i>n/a</i>
<i>Rt. 14 WB</i>	<i>6</i>	<i>Min Recall</i>	<i>VIDS</i>	<i>150' from Stop Bar</i>	<i>Pulse</i>
<i>Rt. 97</i>	<i>4</i>	<i>Lock</i>	<i>Loop, Pre-formed</i>	<i>20' from Stop Bar</i>	<i>Pulse</i>

Temporary Phase Timing Settings:

Phase	Min	Ped	Ped Clr	Ext	Max 1	Max2	Yel	Red
<i>1</i>	<i>5</i>	<i>0</i>	<i>0</i>	<i>2</i>	<i>12</i>	<i>18</i>	<i>3</i>	<i>0</i>
<i>2 & 6</i>	<i>24</i>	<i>0</i>	<i>4</i>	<i>4</i>	<i>26</i>	<i>36</i>	<i>4</i>	<i>1</i>
<i>3</i>	<i>16</i>	<i>7</i>	<i>9</i>	<i>0</i>	<i>16</i>	<i>16</i>	<i>4</i>	<i>1</i>
<i>4</i>	<i>14</i>	<i>7</i>	<i>9</i>	<i>3</i>	<i>27</i>	<i>35</i>	<i>3</i>	<i>1</i>

Scheduled TD: *July 4, 2011*

When at any time during construction the existing vehicle or pushbutton detection becomes damaged, removed, or disconnected, install TD to actuate the affected approaches. Install and make TD operational prior to removing existing detection. TD must be operational throughout all construction phases.

Provide a list of telephone numbers of personnel who will be responsible for the TD to the Engineer. If the TD malfunctions or is damaged, notify the Engineer and place the associated phase on max recall. Respond to TD malfunctions by having a qualified representative at the site within three (3) hours. Restore detection to the condition prior to the malfunction within twenty-four (24) hours.

If the Engineer determines that the nature of a malfunction requires immediate attention and the Contractor does not respond within three (3) hours following the initial contact, then an alternative maintenance service will be called to restore TD. Expenses incurred by the State for alternative service will be deducted from monies due to the Contractor with a minimum deduction of \$500.00 for each service call. The alternate maintenance service may be the traffic signal owner or another qualified Contractor.

TD shall be terminated when the detection is no longer required. This may be either when the temporary signal is taken out of service or when the permanent detectors are in place and fully operational.

Any material and equipment supplied by the Contractor specifically for TD shall remain the Contractor's property. Existing material not designated as scrap or salvage shall become the property of the Contractor. Return and deliver to the owner all existing equipment used as TD that is removed and designated as salvage.

Method of Measurement:

Temporary Detection will be paid only once per site as a percentage of the contract Lump Sum prices under **Items 971A, 971B, or 971C – Maintenance and Protection of Traffic** for the particular Regulator. Fifty percent (50%) will be paid when Temporary Detection is initially set up, approved, and becomes fully operational, and fifty percent (50%) will be paid when Temporary Detection terminates and all temporary equipment is removed to the satisfaction of the Engineer.

Basis of Payment:

This work will be included in the appropriate Lump Sum prices under **Items 971A, 971B, or 971C – Maintenance and Protection of Traffic** for the particular Regulator. The work includes furnishing, installing, relocating, realigning, maintaining, and removing, the necessary detection systems and all incidental material, labor, tools, and equipment. This work also includes any detector mode setting changes, timing or program modifications to the controller that are associated with TD. All Contractor supplied material that will remain the Contractor's property will be included in the contract Lump Sum prices **under Items 971A, 971B, or 971C – Maintenance and Protection of Traffic** for the particular Regulator. Any items installed for TD that will become part of the permanent installation will not be paid for under these items but are paid for under the bid item for that work.

<u>Pay Item</u>	<u>Pay Unit</u>
971A – Maintenance and Protection of Traffic at CSO 003	L. S.
971B – Maintenance and Protection of Traffic at CSO 004	L. S.
971C – Maintenance and Protection of Traffic at CSO 006	L. S.

Attachment B

CTDEEP Email Regarding Bald Eagle Territory

Hannah Bloomquist

From: Hess, Brian <Brian.Hess@ct.gov>
Sent: Tuesday, February 13, 2018 4:07 PM
To: Mario Rizzo
Cc: Tom Sgroi; Luigi DiMonaco; Blum, Robin; Kearney, Shannon
Subject: RE: GNHWPCA Project CWF 2016-03 - NDDB Determination No. 201614334

Follow Up Flag: Follow up
Flag Status: Flagged

Hi Mario,

You are correct that the bald eagle territory has shifted to a different nest structure in the cemetery to the south. Thus, the nest at the intersection of routes 34 and 10 is inactive.

As such, there are no necessary restrictions for the protection of bald eagles associated with this project.

I've cc'd staff from our environmental services program who produced the original NDDB determination, and this email will be added to that file.

Thanks,
Brian

Brian Hess, Wildlife Biologist
Wildlife Division
Bureau of Natural Resources
Connecticut Department of Energy and Environmental Protection
Sessions Woods WMA, P.O. Box 1550, Burlington, CT 06013-1550
P: 860.424.3208 | E: Brian.Hess@CT.gov



www.ct.gov/deep

*Conserving, improving and protecting our natural resources and environment;
Ensuring a clean, affordable, reliable, and sustainable energy supply.*

From: Mario Ricoszi [mailto:mricoszi@gnhwpc.com]
Sent: Tuesday, February 13, 2018 1:09 PM
To: Hess, Brian
Cc: Tom Sgroi; Luigi DiMonaco
Subject: GNHWPCA Project CWF 2016-03 - NDDDB Determination No. 201614334

Brian,

Thank you for speaking with me this morning. We are currently bidding our Clean Water Funded CSO Improvement Project Number CWF 2016-03. Part of the project includes the NDDDB Determination No. 201614334 which is attached.

We have been advised that the Bald Eagle (*Haliaeetus leucocephalus*) nest adjacent to the proposed site is vacant for the second year. The eagle has apparently relocated further away to a cemetery.

The construction is at the intersection of Route 10 (Ella Grasso Boulevard) and the former Route 34 (Legion Avenue), in New Haven.

We would appreciate it if CT DEEP would review the current status of the nesting, and if appropriate, relax the restrictions in the NDDDB Determination 201614334.

Thank you for your consideration. If there is anything we can assist with, please do not hesitate to contact us.
Mario

Mario Ricoszi, P.E., F.ASCE
Manager of Design
Greater New Haven Water Pollution Control Authority
260 East Street
New Haven, Connecticut 06511

Tel. (203) 466-5280 Ext. 346
FAX (203) 772-2027
Cell (203) 859-8308

www.gnhwpc.com

Attachment C
102-20 Updated Itemized Proposal

Addendum No. 5

CWF 2016-03 – West River CSO Improvement Project

Project No.

CWF 2016-03

West River CSO Improvement Project

ITEMIZED PROPOSAL

Addendum No. 5

CFW 2016-03 – West River CSO Improvement Project

ITEMIZED PROPOSAL

For Constructing

PROJECT: CWF 2016-03
West River CSO Improvement
New Haven, Connecticut

STATE PROJECT NO: CWF 2016-03

FEDERAL PROJECT NO: N/A

The Work proposed herein must be completed within 300 calendar days of the date of this Contract.

Greater New Haven
Water Pollution Control Authority
260 East Street
New Haven, Connecticut 06511

To Whom It May Concern,

In submitting this bid the duly authorized undersigned declares that the entity on behalf of which this bid is made is, or they are, the only person or persons interested in the said bid; that the bid is made without any connection with any person making another bid for the same contract; that the bid is in all respects fair and without collusion, fraud or mental reservation; and that no official of the Greater New Haven Water Pollution Control Authority, or any person in the employ of the Authority is directly or indirectly interested in said bid or in the supplies or work to which it relates, or in any portion of the profits thereof.

The undersigned also hereby declares that they have, either for themselves or on behalf of the entity they represent, carefully examined the Plans, specifications, and form of Contract for this Project, have personally inspected the actual location of the Work and have considered potential local sources of supply, and are satisfied as to all the quantities and conditions, and understands that in signing this Proposal they or the entity that they represent waives all rights to plead any misunderstanding regarding the same.

The undersigned further understands and agrees that they are to furnish and provide for the respective item price bid all the necessary material, machinery, implements, tools, labor, services, and other items of whatever nature, and to do and perform all the Work necessary under the aforesaid conditions, to complete the improvements of the Project, which Plans and specifications it is agreed are a part of this Proposal, and to accept in full compensation therefore the amount of the summation of the products of the approximate quantities multiplied by the unit prices bid. This summation will hereinafter be referred to as the gross sum bid.

The undersigned further agrees to accept the aforesaid unit bid prices in compensation for any additions or deductions caused by any variation in quantities due to more accurate measurement,

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CWF 2016-03 – West River CSO Improvement Project

or by any changes or alterations in the Plans or specifications of the Work and for use in the computation of the value of the Work performed for monthly estimates.

Every Proposal must be accompanied by a certified check or bank cashier's check or bid bond payable to the Greater New Haven Water Pollution Control Authority in the amount of ten percent (10%) of the bid.

Accompanying this Proposal is a certified check or bank cashier's check or bid bond payable to the Greater New Haven Water Pollution Control Authority in the amount of \$_____. In case this Proposal shall be accepted by the Authority, and the undersigned shall fail to execute the Contract, the monies represented by such certified check or bank cashier's check or bid bond shall be regarded as liquidated damages and shall be forfeited and become the property of the Authority. The undersigned understands and accepts:

- A. When Work is required in which no specific payment item is listed on the Proposal Form, the cost of such Work shall be included in the unit prices bid.
- B. All unit prices, lump sums, etc. listed in the bid Proposal are firm and not subject to change for one hundred and twenty (120) days from the day bids are opened.
- C. Within ten (10) days from the date of a notice of acceptance of this Proposal, the undersigned agrees to execute the Contract and to furnish to the Authority a satisfactory "Faithful Performance Bond" and "Labor and Material Payment Bond" in the amount of one hundred percent (100%) of the Contract price.
- D. Time is of the Essence. All Work to be performed under the Contract shall be completed within the time stated in the Agreement for the Project or within such extended time for completion as may be granted by the Authority.
- E. As a condition of the Contract Award, the successful Bidder shall provide proof, from the Connecticut Secretary of State's office, of its current authorization to do business in Connecticut. All Connecticut corporations must provide a Certificate of Good Standing from the Secretary of State's Office. All foreign (out of State) corporations shall provide a valid license to do business in Connecticut, in the form of a current Certificate of Authority from the Secretary of State's office and evidence of compliance with the bond requirements of the Connecticut Department of Revenue Services. These documents must be presented within thirty (30) days from the date of the bid opening.

Schedule of Bid Items

The quantities specified are approximate only as determined by the Engineer. They are included to provide the Bidder with an estimate of the materials required to complete the project and to provide a uniform basis for the comparison of bids. The Authority reserves the right to REJECT any proposal in which any of the bid prices are significantly unbalanced to the potential detriment of the Authority. **The Contractor shall be required to submit a Schedule of Values for all Lump Sum Items prior to the start of construction.** The bid quantities shown with an asterisk

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CWF 2016-03 – West River CSO Improvement Project

(*) under the "Estimated Quantity" are not based upon an exact measurement of work shown on the plans, but are based upon a judgment of the work that may be required and are intended to obtain a reasonable bid price for potential work to allow for payment during construction if needed. The Authority shall reserve the right to increase or decrease the actual quantities required, or to delete them entirely, at the time the Contract is awarded, or at any time thereafter, without prejudice towards the quoted bid price per unit, if to do so is in the Authority's best interest.

Refer to 102-16 Special Specification and Notes for modifications to specifications.

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CWF 2016-03 – West River CSO Improvement Project

Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
1	201.01	1	LS	CLEARING AND GRUBBING _____dollars and _____cents	\$ _____	\$ _____
2	201.02	2	EA	REMOVAL OF EXISTING TREE (10" TO 16" CALIPER) _____dollars and _____cents	\$ _____	\$ _____
3	205.04	20	CY	TRENCH EXCAVATION – UNCLASSIFIED _____dollars and _____cents	\$ _____	\$ _____
4	205.05	250	CY	TEST PIT EXCAVATION _____dollars and _____cents	\$ _____	\$ _____
5	205.06	10	EA	TEST PIT BY VACUUM METHOD, COMPLETE _____dollars and _____cents	\$ _____	\$ _____
6	205.07	140	SY	REMOVAL OF CONCRETE PAVEMENT _____dollars and _____cents	\$ _____	\$ _____
7	210	1	LS	TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL _____dollars and _____cents	\$ _____	\$ _____
8	210.10	65	DAY	MECHANICAL STREET SWEEPING _____dollars and _____cents	\$ _____	\$ _____
9	213	60	CY	GRAVEL FILL _____dollars and _____cents	\$ _____	\$ _____
10	304	500	CY	PROCESSED AGGREGATE BASE _____dollars and _____cents	\$ _____	\$ _____
11	305	15	CY	BEDDING MATERIAL _____dollars and _____cents	\$ _____	\$ _____
12	405.03	1150	SY	BITUMINOUS CONCRETE MILLING 0" - 3" _____dollars and _____cents	\$ _____	\$ _____
13	407.00	650	SY	TEMPORARY PAVEMENT, CLASS 2, 2" BITUMINOUS _____dollars and _____cents	\$ _____	\$ _____

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Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
14	407.10A	1150	SY	BITUMNOUS CONCRETE TRENCH REPAIR CLASS 1, 1.5" _____dollars and _____cents	\$ _____	\$ _____
15	407.10B	35	SY	BITUMNOUS CONCRETE TRENCH REPAIR CLASS 1, 2" _____dollars and _____cents	\$ _____	\$ _____
16	407.20A	1050	SY	BITUMINOUS CONCRETE TRENCH REPAIR CLASS 2, 1.5" _____dollars and _____cents	\$ _____	\$ _____
17	407.20B	35	SY	BITUMINOUS CONCRETE TRENCH REPAIR CLASS 2, 2" _____dollars and _____cents	\$ _____	\$ _____
18	407.40	325	SY	BITUMINOUS COCNRETE TRENCH REPAIR CLASS 4, 6" _____dollars and _____cents	\$ _____	\$ _____
19	407.50	300	TON	BITUMINOUS CONCRETE SKIM COAT, CLASS 2, 1" THICKNESS _____dollars and _____cents	\$ _____	\$ _____
20	507.07A	4	EA	WATERTIGHT FRAME AND COVER _____dollars and _____cents	\$ _____	\$ _____
21	507.11	1	LS	ALTERATIONS TO STRUCTURES _____dollars and _____cents	\$ _____	\$ _____
22	508	5	EA	CATCH BASIN CHECK VALVE _____dollars and _____cents	\$ _____	\$ _____
23	512.01	54	LF	SANITARY SEWER - 12" DIP _____dollars and _____cents	\$ _____	\$ _____
24	525.01	1	LS	CSO REGULATOR CHAMBER 003 _____dollars and _____cents	\$ _____	\$ _____
25	525.02	1	LS	CSO REGULATOR CHAMBER 004 _____dollars and _____cents	\$ _____	\$ _____
26	525.03	1	LS	CSO REGULATOR CHAMBER 006 _____dollars and _____cents	\$ _____	\$ _____

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Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
27	601.03	40	CY	CONCRETE (CLASS F) _____dollars and _____cents	\$ _____	\$ _____
28	602.02	1800	LB	DEFORMED STEEL BARS – EPOXY COTED _____dollars and _____cents	\$ _____	\$ _____
29	715.01	550	VF	MINIPILES AT CSO 003 _____dollars and _____cents	\$ _____	\$ _____
30	715.02	520	VF	MINIPILES AT CSO 004 _____dollars and _____cents	\$ _____	\$ _____
31	715.03	670	VF	MINIPILES AT CSO 006 _____dollars and _____cents	\$ _____	\$ _____
32	715.04	1	EA	VERIFICATION LOAD TEST _____dollars and _____cents	\$ _____	\$ _____
33	715.05	1	EA	PROOF LOAD TEST AT CSO 003 _____dollars and _____cents	\$ _____	\$ _____
34	715.06	1	EA	PROOF LOAD TEST AT CSO 004 _____dollars and _____cents	\$ _____	\$ _____
35	715.07	1	EA	PROOF LOAD TEST AT CSO 006 _____dollars and _____cents	\$ _____	\$ _____
36	813.10	20	LF	GRANITE SLOPE CURBING _____dollars and _____cents	\$ _____	\$ _____
37	921.01	60	SF	CONCRETE SIDEWALK _____dollars and _____cents	\$ _____	\$ _____
38	921.02	450	SF	CONCRETE DRIVEWAY _____dollars and _____cents	\$ _____	\$ _____
39	921.10	1350	SF	CONCRETE GRID PAVERS _____dollars and _____cents	\$ _____	\$ _____
40	942	30	TON	CALCIUM CHLORIDE FOR DUST CONTROL _____dollars and _____cents	\$ _____	\$ _____

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Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
41	944	110	CY	FURNISHING AND PLACING TOPSOIL 6" THICKNESS _____dollars and _____cents	\$ _____	\$ _____
42	945	700	SY	FERTILIZING, SEEDING AND MULCHING _____dollars and _____cents	\$ _____	\$ _____
43	949.01	8	EA	PLANTING - MAJOR DECIDUOUS TREES _____dollars and _____cents	\$ _____	\$ _____
44	969.01	12	MON	ENGINEER'S FIELD OFFICE (TYPE A) _____dollars and _____cents	\$ _____	\$ _____
45	971A	1	LS	MAINTENANCE AND PROTECTION OF TRAFFIC AT CSO 003 _____dollars and _____cents	\$ _____	\$ _____
46	971B	1	LS	MAINTENANCE AND PROTECTION OF TRAFFIC AT CSO 004 _____dollars and _____cents	\$ _____	\$ _____
47	971C	1	LS	MAINTENANCE AND PROTECTION OF TRAFFIC AT CSO 006 _____dollars and _____cents	\$ _____	\$ _____
48	971D	1	AL	TRAFFIC SIGNALING <u>Fifty Thousand</u> dollars and <u>Zero</u> cents	\$50,000.00	\$50,000.00
49	975	1	LS	MOBILIZATION _____dollars and _____cents	\$ _____	\$ _____
50	985	1	LS	PROJECT SURVEY AND STAKEOUT _____dollars and _____cents	\$ _____	\$ _____
51	1111	400	LF	LOOP VEHICLE DETECTOR AND SAWCUT _____dollars and _____cents	\$ _____	\$ _____
52	1208	75	SF	SIGN FACE – SHEET ALUMINUM _____dollars and _____cents	\$ _____	\$ _____

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Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
53	1209.1	250	LF	PAINTED PAVEMENT MARKING, 12" WHITE _____dollars and _____cents	\$ _____	\$ _____
54	1209.2	300	SF	PAINTED LEGEND, ARROWS AND MARKING _____dollars and _____cents	\$ _____	\$ _____
55	1209.3	250	LF	TEMPORARY PAINTED PAVEMENT MARKING, 12" WHITE _____dollars and _____cents	\$ _____	\$ _____
56	1209.4	200	LF	TEMPORARY PAINTED PAVEMENT MARKING, 4" YELLOW OR WHITE _____dollars and _____cents	\$ _____	\$ _____
57	1209.5	500	SF	TEMPORARY PAINTED LEGEND, ARROWS AND MARKING _____dollars and _____cents	\$ _____	\$ _____
58	1210.01A	650	LF	EPOXY RESIN PAVEMENT MARKINGS, 4" WHITE _____dollars and _____cents	\$ _____	\$ _____
59	1210.01B	450	LF	EPOXY RESIN PAVEMENT MARKINGS, 4" YELLOW _____dollars and _____cents	\$ _____	\$ _____
60	1500	1	AL	UNIFORMED POLICE OFFICERS <u>Three Hundred Sixty Thousand</u> dollars and <u>Zero</u> cents	\$360,000.00	\$360,000.00
61	1506.1	50	LF	PIPE ABADONED IN PLACE _____dollars and _____cents	\$ _____	\$ _____
62	1508.1	10	CY	CONTROLLED LOW STRENGTH MATERIAL (OPEN FLOW TRENCH BACKFILL) _____dollars and _____cents	\$ _____	\$ _____
63	1508.2	10	CY	CONTROLLED LOW STRENGTH MATERIAL (PUMPED) _____dollars and _____cents	\$ _____	\$ _____
64	1514	1	AL	UNIFORMED TRAFFICMAN (FLAGGER) <u>Thirty Thousand</u> dollars and <u>Zero</u> cents	\$ 30,000.00	\$ 30,000.00

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CWF 2016-03 – West River CSO Improvement Project

Item No.	Spec Reference	Est Quantity	Unit	Item Description with Unit or Lump Sum Price Written in Words	Unit Bid Price	Amount in Dollars
65	109.01	1	LS	MAINTENANCE BOND _____dollars and _____cents	\$ _____	\$ _____
SUM TOTAL OF ALL ESTIMATED QUANTITIES, UNIT PRICES BID AND EXTENDED TOTALS = \$ _____ . _____						

Addendum No. 5
CWF 2016-03 – West River CSO Improvement Project

TOTAL SUM IN WORDS:

\$ _____ **Dollars**

and _____ **Cents**

Signature of Bidder: _____ **Dated:** _____

Printed Name: _____

Name of Firm: _____

In submitting this Bid, the Bidder understands that the Authority reserves the right to reject any and all bids, or to waive any informality in the submitted bid documents.

Addendum No. 5
CWF 2016-03 – West River CSO Improvement Project

Bidder acknowledges receipt of the Addenda listed below and further acknowledges that the provisions of each Addendum have been included in the preparation of this bid.

Addendum No.	Date Received	Addendum No.	Date Received
<u>1</u>	_____	<u>5</u>	_____
<u>2</u>	_____	_____	_____
<u>3</u>	_____	_____	_____
<u>4</u>	_____	_____	_____

COMPANY NAME (BIDDER): _____

Address of Bidder:

Phone Number: Area Code (_____) _____

E-mail Address: _____

I hereby sign this document acting within my authority as a duly authorized representative of the named Bidder. By signing below, I certify, acknowledge and affirm that the information set forth in this document is true, accurate and complete to the best of my knowledge and belief.

Signature of Bidder: _____ **Dated:** _____

Name and Addresses of Members of the Firm:

Addendum No. 5

CWF 2016-03 – West River CSO Improvement Project

Bidder's Checklist

At a minimum, each Bidder shall ensure that their completed bid proposal includes the following documents:

- a. Bid Proposal
- b. Bid Security/Bond
- c. Bidder's Qualifications Form
- d. MBE/WBE Forms: See Note 40 above (Clean Water Fund Memorandum Dated May 25, 2016)
- e. State of Connecticut DAS Pre-Qualification Certificate and Update (Bid) Statement: See Note 36 above
- f. Independent Land Surveyor for Construction Monitoring
- g. American Iron and Steel Certification
- h. Proposed Traffic Engineer and Qualifications for the Review of Signal Timing during Construction
- i. Proposed Traffic Signal Contractor and Qualifications for the Implementation of Traffic Signal Timing Revisions and Maintenance during Construction

CONTRACTOR:

INSERT BID SECURITY BID BOND HERE

STATEMENT OF BIDDER'S QUALIFICATIONS

(To be submitted by the Bidder with the Bid)

All questions must be answered and the data given must be clear and comprehensive. This statement must be notarized. If necessary questions may be answered on separate attached sheets. The Bidder may submit any additional information it desires.

1. Name of Bidder: _____

2. Bidder's Tax Identification Number: _____

3. Permanent Main Office Address: _____

4. When Organized: _____

5. If a Corporation, Where Incorporated: _____

6. How many years have you been engaged in construction under your present firm or trade name:

7. Contracts on hand: (Schedule these, showing gross amount of each Contract and the appropriate anticipated dates of completion).

8. General character of work performed by you:

9. Have you ever failed to complete any work awarded to you? If so, where and why:

10. have you ever defaulted on a Contract? If so, where and why.

11. List the more important contracts recently completed by you, stating approximate gross cost for each, and the month and the year completed.

12. List your major equipment available for this Contract.

13. Experience in work similar in importance to this project.

14. Background and experience of the principal members of your organization, including the officers.

15. Give Bank reference.

16. Will you upon request, fill out a detailed financial statement and furnish any other information that may be required by the Greater New Haven Water Pollution Control Authority.

Yes ___ No ___

17. The undersigned hereby authorizes and requests any persons, firm, or corporation to furnish any information requested by the Greater New Haven Water Pollution Control Authority in verification of the recitals comprising this statement of the Bidder's qualifications.

Dated at _____ this _____ day of _____ 200__.

(Name of Bidder)

By: _____

Title: _____

State of _____)

) SS

County of _____)

_____ being duly sworn,

deposes and says that he/she is _____

_____ of _____ and that

he/she answers to the foregoing questions and all statements therein are true and correct.

Subscribed and sworn to before me this _____ day of _____ 200__.

(Notary Public)

My Commission Expires: _____



Clean Water Fund Memorandum (2016-003)

Disadvantaged Business Enterprise (DBE) Subcontractor Participation on Clean Water Fund (CWF) Construction Projects

I. PURPOSE

The municipality, through its Prime Contractor must make specified good faith efforts to attain the DBE goals as specified in this document in Section III. This is an administrative condition of the U.S. Environmental Protection Agency (EPA) Grant which funds Clean Water Fund Projects.

This memorandum supersedes the Clean Water Fund Memorandum Dated June 24, 2014

II. GOVERNING STATUTE OR REGULATION

General Compliance (Federal), 40 CFR, Part 33: The municipality, through its Prime Contractor must comply with the requirements of EPA’s Program for Utilization of Small, Minority, and Women’s Business Enterprises (MBE/WBE).

III. EPA REQUIREMENTS

The following clause shall be included in all construction contract documents for goods and services to be funded under the CWF:

The requirement for DBE subcontractor participation, expressed as a percentage of the total eligible contract amount, shall be a minimum of 8.0 percent with the following makeup:

MBE 3.0 percent WBE 5.0 percent

Failure to meet or exceed the required percentage or submit acceptable documentation of the six good faith efforts may render a bid non-responsive and may cause the bid to be rejected.

IV. CERTIFICATION

A DBE must be certified at the time that the subcontract for their services is executed. A business that is pending new certification, recertification, or whose certification has expired cannot be counted toward the goals.

In the case where a subcontractor DBE is certified as both a MBE and a WBE:

1. The prime contractor may count the entire value of the subcontract as either a MBE or a WBE.
2. The prime contractor may choose to split the subcontract between the MBE and the WBE categories to fulfill both goals. If the prime contractor chooses this route:
 - a. They must indicate the dollars to be apportioned to the categories either on the face of the copy of the fully executed subcontract submitted to the DEEP or by some other written method.

- b. The certification submitted to DEEP must indicate that the principal of the subcontractor is both a woman and a minority.
- c. For a certification that only identifies the subcontractor as a DBE, additional documentation is required as proof of dual status. In the case of ConnDOT, the detailed information page within their online database suffices as proof.

V. THE SIX GOOD FAITH EFFORTS AS SPECIFICALLY DEFINED BY EPA

The Six Good Faith Efforts are required methods employed by all DEEP Clean Water Fund recipients to ensure that all DBEs have the opportunity to compete for procurements funded by DEEP financial assistance dollars.

1. Ensure DBEs are made aware of contracting opportunities to the fullest extent practicable through outreach and recruitment activities. For Indian Tribal, State and Local and Government recipients, this will include placing DBEs on solicitation lists and soliciting them whenever they are potential sources.
2. Make information on forthcoming opportunities available to DBEs and arrange time frames for contracts and establish delivery schedules, where the requirements permit, in a way that encourages and facilitates participation by DBEs in the competitive process. This includes, whenever possible, posting solicitations for bids or proposals for a minimum of 30 calendar days before the bid or proposal closing date.
3. Consider in the contracting process whether firms competing for large contracts could subcontract with DBEs. For Indian Tribal, State and local Government recipients, this will include dividing total requirements when economically feasible into smaller tasks or quantities to permit maximum participation by DBEs in the competitive process.
4. Encourage contracting with a consortium of DBEs when a contract is too large for one of these firms to handle individually.
5. Use the services and assistance of the SBA and the Minority Business Development Agency of the Department of Commerce.
6. If the Prime Contractor awards subcontracts, require the Prime Contractor to take the above steps.

The Prime Contractor's certification as a DBE has no effect on this requirement. Therefore, if the Prime Contractor is a DBE, the Six Good Faith Efforts defined above must be employed in the procurement of subcontracts to be secured to achieve the MBE 3.0% and WBE 5.0% participation. Also, for subcontracts for material suppliers, only 25% of the dollar value of their contracts may be applied toward the required percentage listed above unless that supplier manufactures those supplies and/or adds specialized input to the process.

VI. ACCEPTABLE CERTIFICATION OPTIONS

1. **Connecticut Department of Administrative Services (DAS)** - DEEP will continue to accept DAS certification until such time as other State entities are identified whose certification processes meet the EPA criteria. DAS will only certify Connecticut based firms that meet the criteria under CGS 4a-60g.
2. **Connecticut Department of Transportation (ConnDOT)** - Companies that desire to do business with ConnDOT as well as the DEEP should seek ConnDOT certification which will be accepted by the DEEP. DBE firms are advised that the certification process can take 90 days to complete. ConnDOT will certify both in state as well as out of state firms.

3. **The Environmental Protection Agency (EPA)** – In the event an entity cannot be certified by ConnDOT as a DBE, that entity should seek certification with EPA. Such entities must provide EPA with evidence from ConnDOT denying certification.
4. **Small Business Administration (SBA-Federal)**-SBA certification is available to companies under the Woman Owned Small Business (WOSB) program and the SBA 8(a) Business Development Program (www.sba.gov/8abd/) which has a net worth ceiling of \$250,000 for initial applicants.
5. **Other states certification**- Prime Contractors and Engineering Consultants may utilize certification from other states. Such certification must specify the DBE designation. Where there is no DBE certification option within a state, the instance must be presented to the DEEP Financial Administrator assigned to the project for consideration on a per case basis.

VII. DBE COMPLIANCE PROCESS

Within fourteen (14) calendar days after bid opening the apparent low bidder shall complete and submit to the municipality the Subcontractor Verification Form provided in the contract documents along with corresponding DBE certification for each subcontractor. The municipality must then submit copies as part of the bid application to DEEP as demonstration of compliance with this memorandum. **Failure to submit these documents by the close of business of the fourteenth calendar day after bid opening may result in the bid being deemed non-responsive and may cause the bid to be rejected.** Two executed copies of the DBE subcontracts must be submitted to the municipality, who must then submit one copy to the DEEP Financial Administrator as demonstration of compliance with this memorandum.

No payment requests will be processed by DEEP until the executed copies of the subcontracts are on file in the DEEP office.

It is understood that the Prime Contractor must make and document the good faith efforts as defined above. Should the contractor not meet the goals, documentation of good faith efforts will be required to be submitted to the DEEP Municipal Facilities Engineer for consideration that the good faith effort was extensive enough to warrant the acceptance of a lower goal for the specific contract in question.

The prime contractor is required to employ the six good faith efforts in that the DBE percentages shall be maintained or exceeded in the event of one subcontractor being substituted for another.

I hereby verify that I have read and understand the DBE requirements in this memorandum and will procure subcontracts whose percentages will meet or exceed the minimums listed above.

Contract Name _____

Prime Contractor Company Name _____

Prime Contractor Authorized Signature _____ **Date** _____

VIII. DEFINITIONS

CGS: Connecticut General Statutes

ConnDOT: Connecticut Department of Transportation

CWF: Clean Water Fund

DAS: Connecticut Department of Administrative Services

DBE: Disadvantaged Business Enterprise

DEEP: Department of Energy and Environmental Protection

EPA: Environmental Protection Agency (Federal)

MBE: Minority Business Enterprise

SBA: Small Business Administration (Federal)

WBE: Woman Business Enterprise

WOSB: Woman Owned Small Business (Federal program - SBA)

May 25, 2016

Date



Denise Ruzicka, Director
Planning and Standards Division
Bureau of Water Protection and Land Reuse



Disadvantage Business Enterprise (DBE) Subcontractor Verification Form

Prime Contractor Company Name: _____

Contract Name/Number: _____

Contract Award Amount: \$ _____

Note to general contractor: You are required to complete this form listing each DBE (MBE or WBE) subcontractor to be employed in work eligible for the Clean Water Fund within the table below. Please submit an original of this completed form, along with each subcontractor's current, valid DBE certificate, to the municipality within 14 days of bid opening. In the event that this form is not submitted with the bid application, the bid could be rendered nonresponsive and rejected.

Subcontractor Name	Address/Phone/E-mail	Name of Contact	Dollar Amount* (25% for Suppliers)	MBE %	WBE %
Totals:					

**Supplier is defined as follows: A supplier is a business which acts as a distributor of materials or equipment and which provides a commercially useful function when such activity is traditional in the industry manufacturing the material or equipment supplied. Suppliers will receive 25% credit for providing supplies and receive 100% for manufacturing or fabrication of supply items. Haulers will receive 100% credit if they provide the material that is hauled. Commercially useful function will normally include:*

- 1. Providing Technical Assistance to the purchaser prior to the purchase, during installation and after the supplies or equipment are placed in service;*
- 2. Manufacturing or being first tier below manufacturer of the supplies or equipment supplied;*
- 3. Providing Functions other than just accepting and referring request for supplies or equipment to another party for direct shipment to a contractor.*

The completion and submission of this form does not constitute a contractual agreement between the general contractor and the named subcontractor, but is solely for documenting proposed compliance with DBE participation under the Department of Energy and Environmental Protection's (DEEP) Clean Water Fund (CWF). Should another subcontractor be substituted in place of any firm named above, both the municipality and the DEEP (Clean Water Fund Unit, 79 Elm Street, Hartford 06106-5127) should be notified in writing within three (3) business days of the change. This form must be updated for each instance in which a subcontractor is replaced or added. The DBE percentages shall be maintained or exceeded in the event of one subcontractor being substituted for another.

Prime Contractor Authorized Signature: _____ Date: _____

CONTRACTOR:

INSERT STATE OF CONNECTICUT
DAS PREQUALIFICATION CERTIFICATE AND
UPDATE BID STATEMENT HERE

CONTRACTOR:

INSERT INDEPENDENT LAND SURVEYOR
FOR CONSTRUCTION MONITORING
QUALIFICATIONS HERE

American Iron and Steel Provisions - Bidder Certification

The Bidder (“Contractor”) acknowledges to and for the benefit of the Greater New Haven Water Pollution Control Authority (“Purchaser”) and the State of Connecticut (“State”) that it understands the goods and services under this Agreement are being funded with monies made available by the Clean Water State Revolving Fund and/or Drinking Water State Revolving Fund that have statutory requirements commonly known as “American Iron and Steel;” that requires all of the iron and steel products used in the project to be produced in the United States (“American Iron and Steel Requirement”) including iron and steel products provided by the Contractor pursuant to this Agreement. The Contractor hereby represents and warrants to and for the benefit of the Purchaser and the State that (a) the Contractor has reviewed and understands the American Iron and Steel Requirement, (b) all of the iron and steel products used in the project will be and/or have been produced in the United States in a manner that complies with the American Iron and Steel Requirement, unless a waiver of the requirement is approved, and (c) the Contractor will provide any further verified information, certification or assurance of compliance with this paragraph, or information necessary to support a waiver of the American Iron and Steel Requirement, as may be requested by the Purchaser or the State. Notwithstanding any other provision of this Agreement, any failure to comply with this paragraph by the Contractor shall permit the Purchaser or State to recover as damages against the Contractor any loss, expense or cost (including without limitation attorney’s fees) incurred by the Purchaser or State resulting from any such failure (including without limitation any impairment or loss of funding, whether in whole or in part, from the State or any damages owed to the State by the Purchaser). While the Contractor has no direct contractual privity with the State, as a lender to the Purchaser for the funding of its project, the Purchaser and the Contractor agree that the State is a third-party beneficiary and neither this paragraph (nor any other provision of this Agreement necessary to give this paragraph force or effect) shall be amended or waived without the prior written consent of the State.

Please Print

Bidder (Contractor):

By:

Name of Contractor (Company)

Signature

Address

Print Name

City/State/Zip Code

Date

CONTRACTOR:

INSERT PROPOSED TRAFFIC ENGINEER
AND QUALIFICATIONS FOR THE REVIEW
OF SIGNAL TIMING DURING
CONSTRUCTION HERE

CONTRACTOR:

INSERT PROPOSED TRAFFIC SIGNAL
CONTRACTOR AND QUALIFICATIONS
FOR THE IMPLEMENTATION OF TRAFFIC
SIGNAL TIMING REVISIONS AND
MAINTENANCE DURING CONSTRUCTION
HERE

