

**Greater New Haven Water Pollution Control Authority
Protecting the Environment**



PROJECT: 260 EAST STREET PARKING LOT IMPROVEMENTS
PROJECT NUMBER: SSF 2015-06

BID OPENING: 10:00 A.M.
Friday
July 8, 2016

**NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY**



**GREATER NEW HAVEN
WATER POLLUTION CONTROL AUTHORITY
260 EAST STREET
NEW HAVEN, CT 06511
PHONE: 203.466.5280 FAX: 203.772.2027
WEB: WWW.GNHWPCA.COM
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EMERGENCY NUMBER: 203-466-5260

Greater New Haven Water Pollution Control Authority
260 East Street Parking Lot Improvements
Project No. SSF 2015-06

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Greater New Haven
Water Pollution Control Authority

INVITATION

for Constructing

PROJECT: 260 EAST STREET PARKING LOT IMPROVEMENTS
PROJECT NUMBER: SSF 2015-06

Sealed bids will be received at the Office of the Director of Finance and Administration of the Greater New Haven Water Pollution Control Authority located at 260 East Street, New Haven, Connecticut 06511 for **PROJECT: 260 East Street Parking Lot Improvements (SSF 2015-06)** until **10:00 AM on Friday, July 8, 2016** at which time and place said bids will be opened publicly and read aloud.

Contract is defined as a complete rehabilitation of the Authority's main building parking lot. Rehabilitation includes reclaiming the existing asphalt pavement section, and new landscaping adding bioswales to mitigate the effect of storm water runoff from the property.

The information for Bidders, Proposal, Form of Contract, and Specifications may be examined at the Office of the Construction Administrator at the above address. Any one submitting a bid for this project must have in their possession a copy of **THE GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY STANDARD SPECIFICATIONS dated September 12, 2006**. The document can be obtained upon payment of One Hundred Dollars (\$100.00). The "bid package" containing the Invitation; Proposal; Specifications and Plans can be obtained upon a **non-refundable** payment of Fifty Dollars (\$50.00).

There will be a **non-mandatory pre-bid meeting on Tuesday, July 5, 2016 at 10:00 AM** at the Greater New Haven Water Pollution Control Authority Administration Building (260 East Street, New Haven, Connecticut 06511). **All questions from Bidders** must be received by the Authority via email by **Wednesday, July 6, 2016 at noon**, in order to receive consideration. (**emails to: engineering@gnhwpca.com**).

A certified check or bid bond in the amount of fifteen percent (15%) of the total bid

amount must accompany the bid. Said checks or bid bonds will be returned to the unsuccessful bidders upon Award of the Contract to the selected firm and execution of the Agreement. If any bid is not accompanied by a bid bond or check at the specified time for the bid opening, the incomplete bid will not be read and this action will constitute automatic rejection of the bid.

The successful bidder will be required to furnish a performance bond and a labor and materials payment bond in the form as attached to the Bid Documents for the amount of the total bid. A certified check can not be substituted for either bond. The Greater New Haven Water Pollution Control Authority reserves the right to alter quantities and to accept or reject any or all bids or any portion of any bids, for any or no reason, including unavailability of appropriated funds as it may deem to be in its best interests.

Gabriel Varca
Director of Finance and Administration

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1. Location of GNHWPCA Offices

The GNHWPCA Administration Building is located at 260 East Street, New Haven, Connecticut 06511. All references in the Standard specifications to the Office of the Director of Finance and Administration shall refer to the address above.

2. Scope of Work

The intent of the project is to complete the rehabilitation of the Authority's Administration building parking lot in accordance with the Plans and Specifications of the project. Rehabilitation consists of, but is not limited to, the following items of work:

- A. Maintain continuous access to temporary parking lot and access for pedestrians to the building.
- B. Improvements to the parking lot located at 260 East Street, New Haven, including, but not limited to:
 - (1) Clearing, grubbing, weeding, removing and disposing of all trees, brush, stumps, fences, debris, etc. within the construction area and as shown on the plans.
 - (2) Demolition/abandonment/removal of existing drainage structures, sprinkler system conduit, concrete ramps, and existing pavement sections intended for grass areas, and other structures as indicated on the plans and specifications.
 - (3) Survey, layout and grades for the new parking lot surface and features.
 - (4) Full Depth Pavement Reclamation for entire parking areas shown on the plans.
 - (5) Hauling, moving, grading of reclaimed material, supplemental process aggregate base materials as required to achieve grades and/or removal of excess reclamation material.
 - (6) Removal of Unsuitable materials and replacement with Process Aggregate Base as directed to achieve suitable subgrade.
 - (7) Formation of Subgrade and compaction in preparation for asphalt binder course
 - (8) Providing a new bituminous concrete binder course and a new bituminous concrete wearing course.
 - (9) Provide precast concrete curbing, precast concrete wheel stops, and epoxy resin pavement markings.
 - (10) Installing a new storm drainage system.
 - (11) Construct four (4) runoff storage Bioswales as shown on the plans.
 - (12) Planting, landscape stone and all other landscaping related work shown on the plans.
 - (13) Submittals and Testing
 - (14) All materials, equipment, tools, and labor incidental thereto to complete the work.

3. Notice to Contractors

As described on Section 107-01, the Contractor shall observe all federal, state and local laws, ordinances, policies, practices and regulations. In addition, the Contractor agrees to promptly procure all necessary approvals, licenses and permits, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the Work.

4. Liquidated Damages

Time is of the essence for the project. For each calendar day that the Contractor is in default of completion after the date specified for the completion of the work provided in the Contract, the amount of FIVE HUNDRED DOLLARS (\$ 500.00) per calendar day will be deducted from any money due the Contractor, not as a penalty but as liquidated damages.

5. Call-Before-You-Dig

Public Act 87-71 of the Connecticut State statute requires individuals who use power or mechanized equipment for the purpose of disturbing the sub-surface of the earth to provide advance notice of **at least 48 hours** to the "Call Before You Dig" central clearinghouse @ 1-800-922-4455 prior to commencing proposed excavations (see Section VIII for definition of excavation/excavator).

Call Before You Dig, Inc., (CBYD) is a state regulated, nonprofit organization comprised of all public utilities and municipalities within the state of Connecticut.

The Contractor assumes all responsibilities for any damage to the various utility services, and all liabilities arising there from.

6. Modification of General Provisions, Section §103-01 Award of Contract

Add the following paragraph:

To demonstrate qualifications to perform the Work, each Bidder must be prepared to submit within five days after the bid opening and upon the Authority's request, written evidence, such as financial data, list of excavation equipment, current workforce, previous experience, present commitments and other such data as may be required by the Authority.

7. Modification of General Provisions, Section §107-06 Insurance

The Contractor is required to take out and maintain at its sole cost and expense insurance of the types specified in Section §107-06.

- A. The insurance limits for this project have been modified as follows:

Insurance	Minimum Limits of Liability
Workers' Compensation	Statutory Minimum Coverage
Employer's Liability	\$ 1,000,000 Each Accident/Each Employee/Policy Limit
Automobile Liability	\$ 1,000,000 per occurrence
Commercial General Liability:	\$ 1,000,000 per occurrence/\$2,000,000 aggregate (Including Products Liability)
Excess/ Umbrella Liability:	\$ 5,000,000 per occurrence/aggregate
Electronic Data Processing (EDP) Coverage:	\$ 1,000,000 per occurrence
Professional Liability (E&O) Coverage:	\$ 1,000,000 per occurrence

2. No deductible for any policy shall exceed the sum of \$25,000 without prior approval by the Authority.

3. Section 107-06.10, TERMINATION OR CHANGE OF INSURANCE is replaced with the following:

Each insurance policy shall be endorsed to provide that the insurance company shall notify the Authority by certified mail at least thirty (30) days in advance of any cancellation or material change. Such notice provision shall be absolute and unequivocal. The words "endeavor to" and "but failure to mail such notice shall impose no obligation or any liability of any kind upon the company, its agents or representatives" shall be deleted from the certificate form's cancellation provision.

4. A sample certificate of insurance evidencing compliance with the insurance requirements as modified by these Special Specifications and Notes is attached hereto (Attachment D). Any certificates furnished by contractor shall be substantially in compliance with the attached certificate form.

8. Specialty Items

All Nyloplast Standard Details and Specifications shown on the plans are herein made part of the Contract Documents. These specifications describe the materials and installation instructions of all Engineered Surface Drainage Products (PVC Surface Drainage Inlets and grates) manufactured by Nyloplast.

9. Contract Measurement and Payment

The contract shall be paid at the "Lump Sum" price for "260 East Street Parking Lot Rehabilitation" for all work as described in Section 102.16 "2. Scope of Work" in its entirety as shown on the Contract Drawings, Special Specifications and Notes and GNHWPCA Standard Specifications.

Extract the "Measurement" and "Payment Section for all items with the GNHWPCA Standard Specification with the exception of the following items which will be measured and paid by unit price or tracked as Time and Material (T&M) and paid under a Contract Allowance:

Item No.	Pay Item	Pay Unit
202.04	Unsuitable Material	T&M Allowance
205.02	Trench Excavation (Rock)	T&M Allowance
220	Controlled Low Strength Material	CY
304	Process Aggregate Base	Ton

If applicable, the contractor and Engineer shall agree on limits of Unsuitable Material and Trench Excavation (Rock) at the end of each workday. Payment will be tracked on a Time and Material basis per the GNHWPCA Standard Specification utilizing the Allowance provided in the Schedule of Bid Items.

10. Modification of Technical Specifications, Item 205 – Trench Excavation and Backfill

CLASSIFICATIONS

Section B, Rock, shall be deleted and replaced with the following:

- B. Rock in Trench: Rock, insofar as it applies to trench excavation, shall be defined as rock in definite ledge formation, boulders, or portions of boulders, cement masonry structures, concrete structures, portland cement concrete pavement or base, of ½ cubic yard or more in volume, removed as indicated or directed from within the payment lines for ~~highway~~ or trench excavation.

Page 110, fourth paragraph, shall be deleted and replaced with the following:

"Backfill material placed on top of the bedding material surrounding the pipe shall be placed carefully in layers, 4 inches to 6 inches thick, and each layer will be tamped and compacted before the next layer is placed. No payment will be made for such backfill material or the disposal of the excess excavated soil.

11. Modification of Technical Specifications, Item 209 – Preparation of Subgrade
SUBMITTALS/TESTING

The contractor shall provide Certified Test Reports for compaction of subgrade documenting compliance with compaction requirements under this item (90% maximum dry density).

Ten (10) representative compaction tests shall be performed evenly throughout the project site to ensure that the tests reflect a representative sample of the work. All tests locations shall be identified within the report.

12. Modification of Technical Specifications, Item 304 – Process Aggregate Base

MEASUREMENT:

In all locations replace the works “Cubic Yard(s)” with “Ton(s)”

PAYMENT:

In all locations replace the words “Cubic Yard(s)” with “Ton(s)”

The contractor shall be paid by providing certified weight slips for each truckload of Process Aggregate Base delivered to the project. Each ticket shall be signed by the Engineer or his representative as it enters the project site.

13. Modification of Technical Specifications, Item 306 – Reclaimed Asphalt – Gravel Base

SUBMITTALS

The following submittals shall be provided to the Engineer for review and approval prior to delivery to site and final grading:

1. Process Aggregate Base
 - Proctor and Gradation
2. Reclaimed Base Material
 - Proctor and Gradation

14. Modification of Technical Specifications, Item 512 – Sanitary Sewer

MATERIALS

Add the following:

- V. **ADS N-12 ST IB Pipe (per ASTM F2648); this specification describes 4- through 60-inch ADS N-12 ST IB pipe (per ASTM F2648) for use in storm water gravity-flow drainage applications.**

ADS N-12 ST IB pipe (per ASTM F2648) shall have a smooth interior and annular exterior corrugations. 4- through 60-inch shall meet ASTM F2648. Manning’s “n” value for use in design shall be 0.012.

Pipe shall be joined using a bell & spigot joint meeting ASTM F2648. The joint shall be soil-tight and gaskets, when applicable, shall meet the requirements of ASTM F477. Gaskets shall be installed by the pipe manufacturer and covered with a removable wrap to ensure the gasket is free from debris. A joint lubricant supplied by the manufacturer shall be used on the gasket and bell during assembly.

Fittings shall conform to ASTM F 2306. Bell and spigot connections shall utilize a spun-on or welded bell and valley or saddle gasket meeting the soil-tight joint performance requirements of ASTM F 2306.

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in trafficked areas for 4- through 48-inch diameters shall be one foot.

VI. ADS Single Wall Heavy Duty Pipe; this specification describes 3- through 24-inch ADS single wall heavy duty polyethylene pipe, for use in storm water gravity-flow drainage applications.

ADS single wall corrugated heavy duty pipe shall have annular interior and exterior corrugations. 3- through 6-inch shall meet ASTM F405. 8- through 24-inch shall meet ASTM F667.

Joints for 3- to 24- inch shall be made with split or snap couplings. Standard connections shall meet the requirements of the ASTM F405 or ASTM F667. Gasketed connections shall incorporate a closed-cell synthetic expanded rubber gasket meeting the requirements of ASTM D1056 Grade 2A2. Gaskets, when applicable, shall be installed by the pipe manufacturer.

Fittings shall conform to ASTM F405 or ASTM F667.

Installation shall be in accordance with ASTM D2321 and ADS recommended installation guidelines, with the exception that minimum cover in trafficked areas for 3- through 24-inch diameters shall be one foot.

CONSTRUCTION DETAILS

All references to the installation of sanitary sewer pipe apply to the proposed storm sewer pipes specified for this project in the contract documents and the contract drawings.

Section 4. Foundations for Sewers; Add the following paragraph at the beginning of the section:

All bedding material surrounding storm pipes shall be wrapped in Mirafi 140N filter fabric or an approved equal conforming to the requirements of Article M.08.01.26 of the Materials Section.

15. Modification of Technical Specifications, Item 949 – Planting

Add the following paragraph at the end of **Section 7. Preparation of Backfill**:

The Bioswale planting soil bed mix shall meet all the requirements specified on the plans.

16. Modification of Technical Specifications, Item 971 – Maintenance and Protection of Traffic

Remove the entire section of Item 971 within the GNHWPCA Standard Specifications and replace it with special specification Item 971A

17. Precast Concrete Curbing

The installation of the new precast concrete curbing shall follow all the requirements specified on the plans.

18. Precast Concrete Wheel Stop

The installation of the new precast concrete wheel stops shall follow all the requirements specified on the plans.

19. Alternative Bid Item 1: Install New Heated Sidewalk (Front)

This work will be paid at the lump sum price bid for Alternative Bid Item 1: Install New Heated Sidewalk (Front) – 10.4 SY.

Work under this item includes but it is not limited to the demolition/removal of the existing sidewalk, new bedding material, installation of a new concrete sidewalk with a complete "ProMelt electric snow melting system" as manufactured by Watts Radiant or approved equal, and all other materials, equipment, tools and labor, testing, inspection, and all else necessary and incidental to the satisfactory completion of the work as ordered by the engineer.

20. Alternative Bid Item 2: Install New Heated Sidewalk (Rear)

This work will be paid at the lump sum price bid for Alternative Bid Item 2: Install New Heated Sidewalk (Rear) – 15 SY.

Work under this item includes but it is not limited to the demolition/removal of the existing sidewalk, new bedding material, installation of a new concrete sidewalk with a complete "ProMelt electric snow melting system" as manufactured by Watts Radiant or approved equal, and all other materials, equipment, tools and labor, testing, inspection, and all else necessary and incidental to the satisfactory completion of the work as ordered by the engineer.

21. Alternative Bid Item 3: Install New 1" Electrical Conduit

This work will be paid at the lump sum price bid for Alternative Bid Item 3: Install New 1" Electrical Conduit.

Work under this item includes but it is not limited to the saw cutting of existing concrete sidewalk, removal of concrete, installation of proper bedding and electrical conduit

between existing light bollards (approx. 15 ft), installation of a new concrete sidewalk repair slab, and all other materials, equipment, tools and labor, testing, inspection, and all else necessary and incidental to the satisfactory completion of the work as ordered by the engineer.

22. Special Specification

The following Special Specifications are incorporated and made a part of the Greater New Haven Water Pollution Control Authority Standard Specifications:

ITEM 220 **CONTROLLED LOW STRENGTH MATERIAL**

ITEM 971A **MAINTENANCE AND PROTECTION OF TRAFFIC**

ITEM 1001 **SCHEDULE OF VALUES**

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ITEM 220 **CONTROLLED LOW STRENGTH MATERIAL**

DESCRIPTION:

Controlled Low Strength Material (CLSM) is a self consolidating, rigid setting material to be used in backfills, fills, structural fills and elsewhere as indicated on the plans, or as directed by the Engineer. The flow and set time characteristics of CLSM shall be designed to meet the specific job conditions. All CLSM material covered by this specification shall be designed to be hand excavatable at any time after placement. It shall be composed of a mixture of portland cement, aggregate, and water with the option of using fly ash, air-entraining agents, and other approved admixtures.

For the purpose of this specification, CLSM shall be used for filling and abandoning sanitary sewer pipes and/or manholes throughout the project. It may be used elsewhere as ordered by the Engineer.

MATERIALS:

All materials utilized in the CLSM mix design shall be in accordance with the applicable requirements of Article M.03.01

COMPOSITION:

The composition of the CLSM shall be in accordance with the requirements set forth in Article M.03.01-General Composition of Concrete Mixes, as well as the applicable sections of ACI 229R. The Contractor shall submit each proposed mix design, with all supporting data, to the Engineer for review and approval at least two weeks prior to its use.

The setting time of CLSM materials shall be designed so as to achieve the strength necessary to comply with the time constraints called for under the Maintenance and Protection of Traffic requirements of the project specifications. The use of chloride accelerators is not permitted.

The minimum compressive strength of the CLSM material shall be 30 pounds per square inch (psi) and the maximum compressive strength of the CLSM shall be 150 pounds per square inch (psi) when tested in accordance with ASTM D4832 after 56 days.

The CLSM mix design shall utilize a nominal maximum size of No. 8 aggregate as specified in M.01.01.

CLSM mixes that are designed with high entrained air shall have a minimum of 25% entrained air when tested in accordance with AASHTO T152.

CONSTRUCTION METHODS:

CLSM shall only be placed when the ambient temperature is at least 30° F and rising. CLSM material shall be deposited within 2 hours of initial mixing.

CLSM may be placed by chutes, conveyors, buckets or pumps depending upon the application and accessibility of the site. Should voids or cavities remain after the placement of the CLSM, the Contractor shall modify the placement method or flow characteristics of the CLSM. Voids or cavities which have not been filled properly shall be corrected as directed by the Engineer and at the Contractor's expense.

MEASUREMENT:

CLSM will be measured in place within the payment lines shown on the plans, specified or directed in the field.

BASIS OF PAYMENT:

CLSM will be paid for at the contract unit price per cubic yard (CY), complete in place, which price shall include all materials, tools, equipment and labor incidental thereto.

END OF ITEM

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ITEM 971A MAINTENANCE AND PROTECTION OF TRAFFIC

DESCRIPTION

The GNHWPCA Administrative Building is a public building which serves to Wastewater Customers in New Haven, East Haven, Hamden and Woodbridge. The building is open for business from 6:00AM to 6:00PM Monday through Friday with public access for bill pay and administrative matters from 8:30AM to 4:30PM. This specification is intended to ensure both safe vehicle and pedestrian traffic is maintained throughout the project. Between the hours of 6:00PM and 6:00AM the site is a secured and "fenced in" site. The contractor shall maintain a secure perimeter throughout the duration of the project. Note that the GNHWPCA employs handicap personnel; therefore, it is critical that wheelchair handicap access to the Main Entrance be maintained at all times during working hours.

This section includes identifying safety hazards and then furnishing all necessary labor, materials, tools, and equipment including, but not limited, to signs, barricades, traffic drums, cones, flashers, construction fencing, flag persons, temporary sidewalk, delineators, etc., to maintain vehicular and pedestrian traffic through and adjacent to the project area. These measures and actions shall be taken to safely maintain the accessibility of public and construction traffic by preventing potential construction hazards.

REQUIREMENTS

- A. The Traffic Control Plan shall conform to the following standards:
Manual on Uniform Traffic Control Devices for Streets and Highways by U.S. Department of Transportation, Federal Highway Administration.
- B. Sequence the Work in a manner that will minimize disruption of vehicular and pedestrian access through and around the construction area.
- C. Traffic planning and control for the maintenance and protection of pedestrian and vehicular traffic affected by the Contractor's Work includes, but is not limited to:
 - 1. Construction and maintenance of any necessary detour equipment and facilities.
 - 2. Providing necessary facilities for access to the temporary parking area and front customer service entry door otherwise known as the "main entrance to the building".
 - 3. Furnishing, installing, and maintenance of traffic control and safety devices (e.g. signage, barricades, barriers, message boards, etc.), and flag persons as appropriate during Construction.
 - 4. Control of water runoff, dust and any other special requirements for safe and expeditious movement of traffic.

- D. Planning, maintenance and control of traffic shall be provided at the Contractor's expense. The Contractor will bear all expense of maintaining the vehicle and pedestrian traffic throughout the work area.
- E. The Contractor will ensure all personnel involved in traffic control are trained and capable of communicating with the public. The Contractor may be required to provide a flag persons to direct and maintain traffic.
- F. The Contractor will remove temporary equipment and facilities when no longer required, restore grounds to original, or to specified conditions.

SUBMITTALS

- A. Submit at Contractor's own expense a Parking Lot Traffic Control Plan for approval by the Engineer.
 - 1. The Traffic Control Plan will detail procedures and protective measures proposed by the Contractor to provide for protection and control of traffic affected by the Work.
- B. The Traffic Control Plan shall be submitted to the Engineer a minimum of 10 days prior to construction. The Traffic Control Plan shall include:
 - 1. Pedestrian and public vehicular traffic routing to the designated temporary parking area as shown on the plan.
 - 2. Provide continuous uninterrupted pedestrian traffic with the designated pedestrian access area shown on the plans.
 - 3. Clearly identify sidewalk closures, other traffic blockage and lane restrictions and reductions anticipated to be caused by construction operations.
 - 4. Show and describe the proposed location, dates, hours and duration of closure, vehicular and pedestrian traffic routing and management, traffic control devices for implementing pedestrian and vehicular movement around the closures, and details of barricades.
 - 5. Location, type and method of shoring to provide lateral support to the side of an excavation or embankment parallel to an open travel-way.
 - 6. Signage for staff and customers to promote safe access to buildings immediately adjacent to worksite.
 - 7. Driveways and staging areas blocked by construction operations.
 - 8. Temporary traffic control devices, temporary pavement striping and marking of streets and sidewalks affected by construction
 - 9. Temporary commercial and industrial loading and unloading zones.
 - 10. Construction vehicle reroutes, travel times, staging locations, and number and size of vehicles involved.

MATERIALS AND EQUIPMENT

The Contractor shall furnish, erect, and maintain all necessary traffic control devices, including flag person, in accordance with the Manual of Uniform Traffic Control Devices

for Streets and Highways published by the U.S. Department of Transportation, Federal Highway Administration.

FLAG PERSONS

- a. Any person acting as a flag person on this Project will have attended a training session taught by a Contractor's qualified trainer before the start date of this Contract.
- b. Flag persons will not be assigned other duties while working as authorized flag persons.

NOTIFICATIONS

- A. Implement closing of vehicle or pedestrian thoroughfare in accordance with the construction drawings and the approved Traffic Control Plan.
- B. The Contractor will immediately notify the Engineer of any vehicular or pedestrian safety or efficiency problems incurred as a result of the construction of the Project.

GENERAL TRAFFIC CONTROL

- A. The Contractor will sequence and plan construction operations and will generally conduct Work in such a manner as not to unduly or unnecessarily restrict or impede normal traffic. The contractor shall utilize the temporary parking area as shown on the plans and can also coordinate temporary use of the "back" gate located at the northeast corner of the property with entrance to East Street.
- B. Unless otherwise provided, all roads within the limits of the Work will be kept open to all traffic by the Contractor. The Contractor will keep the portion of the project being used by public traffic, whether it is through or local traffic, in such condition that traffic will be adequately accommodated.
- C. The Contractor will be responsible for installation and maintenance of all traffic control devices and requirements for the duration of the construction period. Necessary precautions for traffic control will include, but not be limited to, warning signs, signals, lighting devices, markings, barricades, canalizations, and hand signaling devices.
- D. The Contractor will provide and maintain in a safe condition all temporary approaches or crossings.
- E. The Contractor will provide emergency access at all times. GNHWPCA business access will be restored and maintained at all times both during and outside of the Contractor's normal working hours.
- F. Pedestrian access will be kept reasonably smooth, dry, and in a suitable condition at all times.

- G. The Contractor will keep all signs in proper position, clean, and legible at all times. Care will be taken so that weeds, shrubbery, construction materials, equipment, and soil are not allowed to obscure any sign, light, or barricade. Signs that do not apply to construction conditions should be removed or adjusted so that the legend is not visible to approaching traffic.
- H. Excavated material, spoil banks, construction materials, equipment and supplies will not be located in such a manner as to obstruct traffic, as practicable. The Contractor will immediately remove from the site all demolition material, exercising such precaution as may be directed by the Engineer. All material excavated shall be disposed of so as to minimize traffic and pedestrian inconvenience and to prevent damage to adjacent property.
- I. During any suspension, the Contractor will make passable and open to traffic such portions of the Project and/or temporally roadways as directed by the GNHWPCA for accommodation of traffic during the anticipated period of suspension. Passable conditions will be maintained until issuance of an order for the resumption of construction operations. When Work is resumed, the Contractor will replace or renew any Work or materials lost or damaged because of such temporary use in every respect as though its prosecution had been continuous and without interferences.

MEASUREMENT & PAYMENT

Payment for Maintenance and Protection of traffic will be included under the lump sum price for the item "260 East Street Parking Lot Rehabilitation".

END OF ITEM

ITEM 1001 SCHEDULE OF VALUES

DESCRIPTION

- A. The Schedule of Values for all of the Work shall include quantities and prices of items which, when added together, equal the Contract Price and subdivides the Work into component parts in sufficient detail to serve the basis for progress payments during the performance of the Work. Such prices will include an appropriate amount of overhead and profit applicable to each item of work.

SUBMITTALS

- B. Within 10 calendar days after the date of the Notice to Proceed, the Contractor shall submit a preliminary Schedule of Values for all of the Work to the Engineer for review:
1. The Contractor's Schedule of Values will be acceptable to the Engineer as to form and substance if it provides a reasonable allocation of the Contract price to component parts of the Work.
 2. The Engineer may request and require additional detail or documentation to support the values published on the preliminary schedule of values. This additional documentation may consist of, but is not limited to, executed purchase orders, subcontracts, or other agreements.
 3. The Engineer may request and require an additional level of break down to the values published in the preliminary schedule of values.
 4. If the value published for any of the items in the preliminary schedule of values are in the opinion of the Engineer, inappropriate, it shall not be accepted.
 5. If, in the opinion of the Engineer, the preliminary schedule of values is unbalanced as to provide for overpayment on items of Work to be performed first, it shall not be accepted.

END OF ITEM

ITEMIZED PROPOSAL

For Constructing

PROJECT: 260 East Street Parking Lot Improvements

PROJECT NUMBER: SSF 2015-06

The Work proposed herein must be completed by September 30, 2016.

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, 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 fifteen percent (15%) 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 ninety (90) 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.

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
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

COMPANY NAME (BIDDER): _____

Address of Bidder: _____

Phone Number: Area Code (_____) _____

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:

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

GREATER NEW HAVEN WATER POLLUTION CONTROL AUTHORITY
Project: 260 East Street Parking Lot Improvements
Project Number: SSF 2015-06



Schedule Of Bid Items

The quantities of work proposed in this form are intended for bidding purposes only. The Authority reserves the right to REJECT any proposal in which any of the bid prices are unbalanced to the potential detriment of the Authority.

ITEM NUMBER	ESTIMATED QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
				DOLLARS	CTS	DOLLARS	CTS
1001	1	LS	LUMP SUM 260 EAST STREET PARKING LOT REHABILITATION For the parking lot rehabilitation at 260 East Street, New Haven, as shown and detailed in the Contract Plans and Specifications, including all work incidental thereto. For - _____ _____	_____	_____	_____	_____
202.04	1	ALLOW	ALLOWANCE UNSUITABLE MATERIAL For - Five Thousand Dollars and Zero Cents _____	\$ 5,000	00	\$ 5,000	00
205.02	1	ALLOW	ALLOWANCE TRENCH EXCAVATION (ROCK) For - Five Thousand Dollars and Zero Cents _____	\$ 5,000	00	\$ 5,000	00
220	10	CY	CUBIC YARD CONTROLLED LOW STRENGTH MATERIAL For - _____ _____	_____	_____	_____	_____
304	200	TON	TON PROCESS AGGREGATE BASE For - _____ _____	_____	_____	_____	_____



Schedule Of Bid Items

The quantities of work proposed in this form are intended for bidding purposes only. The Authority reserves the right to REJECT any proposal in which any of the bid prices are unbalanced to the potential detriment of the Authority.

ITEM NUMBER	ESTIMATED QUANTITY	UNIT	ITEM WITH UNIT PRICE WRITTEN IN WORDS	UNIT BID PRICE		AMOUNT BID	
				DOLLARS	CTS	DOLLARS	CTS
ALT1	1	LS	Lump Sum INSTALL NEW HEATED SIDEWALK (FRONT)				
			For -				
ALT2	1	LS	Lump Sum INSTALL NEW HEATED SIDEWALK (REAR)				
			For -				
ALT3	1	LS	Lump Sum INSTALL NEW 1" ELECTRICAL CONDUIT				
			For -				
TOTAL OR GROSS SUM IN WORDS:				TOTAL	\$		

Signature of Bidder: _____
 Printed Name: _____
 Name of Firm: _____
 Date: _____

Date: _____

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

APPENDIX A

PERFORMANCE BOND

AND

LABOR AND MATERIALS PAYMENT BOND

BOND NO. _____

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That _____ as Principal, and _____, as Surety, located at _____ (Business Address), a surety insurer chartered and existing under the laws of the State of _____ and authorized to do business in the State of Connecticut, are held and firmly bound unto the Greater New Haven Water Pollution Control Authority, as Oblige, in the sum of _____ (\$_____) for the payment whereof we bind ourselves, our heirs, executors, personal representatives, successors and assigns, jointly and severally.

WHEREAS, Principal has entered into a contract dated as of the _____ day of _____, 20____ with Oblige for

in accordance with drawings and specifications, which contract is incorporated by reference and made a part hereof, and is referred to as the Contract.

NOW, THEREFORE, THE CONDITION OF THIS BOND is that of Principal:

1. Performs the Contract at the times and in the manner prescribed in the Contract; and
2. Pays Oblige any and all losses, damages, expenses, costs, direct or indirect, and attorney's fees, including costs of any mediation, arbitration, litigation or appellate proceedings, that Oblige sustains because of any default by Principal under the Contract, including, but not limited to, all delay damages, whether liquidated or actual, incurred by Oblige;

then this Bond is void; otherwise it remains in full force and effect and Surety shall be fully liable for performance of the Principal's obligations provided thereunder.

In the event of a declaration of default of Principal by Oblige under the Contract, the Surety shall, within twenty (20) days of receipt of notice of such default, either: (1) tender the Oblige the full amount of the penal sum of this Bond; or (2) undertake to perform or complete the remaining Contract obligations itself through its agents or through independent contractors.

If Surety denies liability, in whole or in part, it shall notify the Oblige, in writing, citing the detailed reasons therefor, within fifteen (15) days of receipt of the aforesaid declaration of default of Principal.

The Surety, for value received, hereby stipulates and agrees that no changes, extensions of time, or additions to the terms of the Contract, or other work to be performed hereunder, or the specifications referred to therein shall in anyway affect its obligations under this Bond, and it does hereby waive notice of any such changes, extensions of time, alterations, or additions to the terms of the Contract, to the work thereunder or to the specifications.

In no event will the Surety be liable in the aggregate to Obligee for more than the penal sum of this Performance Bond, regardless of the number of suits that may be filed by Obligee.

Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the State of Connecticut and shall be instituted within the applicable statute of limitations for contract actions after Principal defaults.

IN WITNESS WHEREOF, the above parties have executed this instrument this ____ day of _____, 20____, the name of each party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed, sealed and delivered
in the presence of:

PRINCIPAL

Witnesses as to Principal:

By: _____

Name: _____

Its: _____

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____, as _____ of _____, a _____ [corporation/limited liability company/partnership], on behalf of the [corporation/limited liability company/partnership]. [He/She/ is personally known to me or what has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires:

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

ATTEST:

SURETY:

Witnesses as to Surety:

(Printed Name)

(Business Address)

(Authorized Signature)

(Printed Name)

Witnesses as to Attorney-in-Fact:

As Attorney-in-Fact
(Attach Power of Attorney)

(Business Address)

(Printed Name)

(Telephone Number)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this _____ day of _____, 20____ by _____, as _____ of _____, a _____ [corporation/limited liability company/partnership], on behalf of the [corporation/limited liability company/partnership]. [He/She/ is personally known to me or what has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires: _____

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

BOND NO. _____

PAYMENT BOND (incorporating C.G.S. § 49-41)

KNOW ALL MEN BY THESE PRESENTS: That by this Bond, we, _____ (hereinafter called the "Principal") and _____ (hereinafter called the "Surety"), located at _____, a surety insurer chartered and existing under the laws of the State of _____ and authorized to do business in the State of Connecticut, are held and firmly bound unto the Greater New Haven Water Pollution Control Authority (hereinafter called "Owner") in the sum of _____ (\$_____) for the payment whereof we bind ourselves, our heirs, personal representatives, executors, successors and assigns, jointly and severally.

WHEREAS, Principal and the Owner have reached a mutual agreement (hereinafter referred to as the "Contract") for the purpose of _____, said Contract being made a part of this Bond by this reference.

NOW, THEREFORE, THE CONDITION OF THIS BOND is that if the Principal:

1. Promptly makes payments to all claimants supplying the Principal with labor, materials or supplies, as used directly or indirectly by the Principal in the prosecution of the work provided for in the Contract; and
2. Pays the Owner for all losses, damages, expenses, costs, and attorneys' fees, including the costs of any mediation, arbitration, litigation or appellate proceedings, that the Owner sustains because of a default by the Principal under paragraph 1 of this Bond, then this Bond is void; otherwise this Bond remains in full force and effect.

BE IT FURTHER KNOWN:

Any changes in or under the Contract and compliance or noncompliance with formalities connected with the Contract or alterations which may be made in the terms of the said Contract, or in the work to be done under it, or the giving by the Owner of any extension of time for the performance of the said Contract, or any other forbearance on the part of the Owner or Principal to the other, shall not affect the obligation of the Principal and the Surety, or either of them, their heirs, personal representatives, successors or assigns under this Bond, notice to the Surety of any such changes, alterations, extensions or forbearance being hereby waived.

This Bond is issued in accordance with and expressly incorporates herein the requirements of Conn. Gen. Stat. § 49-41.

IN WITNESS WHEREOF, the above parties have executed this instrument this ____ day of _____, 20____, the name of each party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

Signed, sealed and delivered in the presence of:

Witnesses as to Principal:

PRINCIPAL:

By: _____

Name: _____

Its: _____

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 20____ by _____ as _____ of _____, a _____ corporation/limited liability company /partnership], on behalf of the _____ corporation/limited liability company/partnership]. [He/She/It is personally known to me or who has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires: _____

Notary Public (Signature)

(AFFIX NOTARY SEAL)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

ATTEST:

SURETY:

Witnesses as to Surety:

(Printed Name)

(Business Address)

(Authorized Signature)

(Printed Name)

OR

Witnesses as to Attorney-in-Fact:

As Attorney-in-Fact
(Attach Power of Attorney)

(Business Address)

(Printed Name)

(Telephone Number)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

STATE OF _____

COUNTY OF _____

The foregoing instrument was acknowledged before me this ____ day of _____, 20__ by _____, as _____ of _____, a Surety, on behalf of the Surety. [He/She] is personally known to me or who has produced _____ as identification and who [did] [did not] take an oath.

My Commission Expires:

(AFFIX NOTARY SEAL)

Notary Public (Signature)

(Printed Name)

(Title or Rank)

(Serial Number, if any)

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

NOT FOR BIDDING PURPOSES
REFERENCE COPY ONLY

APPENDIX B

SAMPLE CERTIFICATE OF INSURANCE

SAMPLE

Certificate of Insurance						Issue Date (MM/DD/YY)			
PRODUCER				INSURERS AFFORDING COVERAGE				NAIC #	
INSURED <i>Contractor's Name</i>				INSURER	A				
				INSURER	B				
				INSURER	C				
				INSURER	D				
				INSURER	E				
COVERAGES									
THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.									
CO LTR	TYPE OF INSURANCE		POLICY NUMBER		POLICY EFFECTIVE DATE (MM/DD/YY)		POLICY EXPIRATION DATE (MM/DD/YY)		Limits
	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. <input checked="" type="checkbox"/> ISO FORM CG 00 01 12 04 <input checked="" type="checkbox"/> XCU HAZARDS COVERAGE GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POL-ICY <input checked="" type="checkbox"/> X <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC		POLICY NUMBER PER PROJECT AGGREGATE ENDORSEMENT						EACH OCCURRENCE \$ 1,000,000 PRODUCTS-COMP/OP AGG. \$ 2,000,000 PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 2,000,000 FIRE DAMAGE (Any one fire) \$ MED. EXPENSE (Any one person) \$
	AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE		POLICY NUMBER PER PROJECT ENDORSEMENT						COMBINED SINGLE LIMIT PER ACCIDENT \$ 1,000,000 \$ \$ \$
	EXCESS LIABILITY <input checked="" type="checkbox"/> INCLUDED UMBRELLA FORM <input checked="" type="checkbox"/> OCCUR		POLICY NUMBER PER PROJECT ENDORSEMENT						EACH OCCURRENCE 4,000,000 AGGREGATE \$ 4,000,000
	WORKERS' COMPENSATION AND EMPLOYER'S LIABILITY <input type="checkbox"/> IN CL. THE PROPRIETOR, PARTNERS, EXECUTIVE OFFICERS ARE:		POLICY NUMBER COVERAGES APPLIES IN STATE OF JOBSITE OPERATION UNDER THIS CONTRACT JUST IN CASE COVERAGE IS INCLUDED WHERE NEEDED						<input checked="" type="checkbox"/> STATUTORY LIMITS EACH ACCIDENT FOR BODILY INJURY \$ 250,000 DISEASE-POLICY LIMIT \$ 1,000,000 EACH EMPLOYEE FOR BODILY INJURY BY DISEASE \$ 250,000
DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS 1. All operations performed under [Project Name] project, Street Address, City, State Zip. _____ Project Number _____. The following are included as Additional Insured (Endorsement ISO Form CG 20 10 11 85 or equivalent) for all coverages except Workers' Compensation: The Greater New Haven Water Pollution Control Authority, its directors, officers, employees, subsidiaries & affiliates; [list any others as identified by the contract documents ("Additional Insureds")]. 2. All policies except workers' compensation are primary and non-contributing with any insurance maintained by Additional Insureds. 3. All policies contain an express waiver of subrogation rights against Additional Insureds. 4. For commercial general liability and excess liability coverages Additional Insureds are covered for liability arising out of named insured's ongoing and completed operations. 5. Listing of all endorsements to all policies identified on this certificate is attached hereto and incorporated herein. 6. All policies are occurrence based and project specific.									
CERTIFICATE HOLDER					CANCELLATION				
The Greater New Haven Water Pollution Control Authority 260 East Street New Haven, CT 06511 Attn: Gabriel Varca					SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED ** BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT.				
					AUTHORIZED REPRESENTATIVE				

**NON-RENEWED OR MATERIALLY CHANGED