TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

NOTICE OF BID

Pavement Rehabilitation
Veterans Park
570 Nova Scotia Hill Road
Watertown Public Works Department

Sealed bids are invited and will be received by the Purchasing Agent of the Town of Watertown at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut, until 11:00 a.m., Thursday, June 5, 2014 at which time and place they will be publicly opened and read aloud for furnishing all labor, materials and equipment to complete the pavement rehabilitation at Veterans Park.

To receive consideration bids must be in the hands of the Purchasing Agent or his authorized representative no later than the day and hour mentioned above. Proposals must be submitted on the forms provided and in a sealed envelope plainly marked “Bid – Pavement Rehabilitation Veterans Park”.

The Purchasing Agent reserves the right to accept or reject any or all bids; to waive any informality; or to accept any bid deemed in the best interests of the Town of Watertown.

The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidder's business within the Town of Watertown in awarding this bid.

The Town of Watertown shall require the payment of prevailing rates of wages in accordance with the wage section of the Connecticut General Statues 31-53, 93-392 and shall institute such investigations and periodic monitoring procedures as deemed necessary to determine compliance with labor standard provisions and the Federal requirements of the Statutes as amended.

All bids will be considered valid for a period of sixty (60) days.

Jason Warner
Purchasing Agent
Town of Watertown
INFORMATION FOR BIDDERS

TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

Pavement Rehabilitation
Veterans Park
570 Nova Scotia Hill Road
Watertown Public Works Department

BID OPENING: 11:00 a.m., Thursday, June 5, 2014

PROPOSALS RECEIVED
All bids must be in a sealed envelope and received prior to 11:00 a.m., Thursday, June 5, 2014 at the office of the Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795.

PREPARATION OF PROPOSALS
Proposals must be made upon forms contained herein. The blank spaces in the Proposal must be filled in correctly where indicated. The Bidder must state the prices for which he proposes to do each item of the work contemplated. In case of discrepancy where both words and the numerals are requested, the words shall govern. Ditto marks are not considered writing or printing and shall not be used. The Bidder shall sign his Proposal correctly. If the Proposal is made by an individual, his name, post office address and telephone number must be shown. If made by a firm, partnership, or corporation, the Proposal must be signed by an official of the firm, partnership, or corporation authorized to sign contracts, and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, post office address, and name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to: The Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, CT 06795.

All information shall be entered in ink or by typewriter. Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink.

Corrections and/or modifications received after the closing time specified will not be accepted.

SUBMISSION OF PROPOSALS
All proposals and literature shall be submitted IN DUPLICATE on the proposal form, which is a part of these specifications.

Descriptive literature containing complete specifications must accompany each bid. If a bidder wishes to furnish additional information, more sheets may be added.
Adobe Acrobat® Reader is required to view electronic documents on-line. If you do not have Adobe Acrobat® Reader, you may download it for free from Adobe at http://www.adobe.com/products/acrobat/readstep.html.

Response summaries will be available online at http://www.watertownct.org, on the day of the bid opening.

Responses delivered via fax are received subject to the following qualifications and limitations:

- The Town is not responsible for the confidentiality of the information transmitted.
- The Town cannot guarantee that its fax equipment will be operational and able to receive transmittals by a particular time and date. It is the Bidder's responsibility to ensure that quotations are received in their entirety and on time at the required location. It is recommended that vendors be advised to call immediately after transmitting a document electronically to confirm complete and accurate receipt by the Town. The Town assumes no liability in the event that a bidder's electronic transmission is not received by the Town in a timely fashion, or is not received either in its entirety or error-free.
- Bids transmitted electronically which have a bond requirement are subject to the same submittal requirements as those responses delivered via traditional means, such as mail or hand delivery, or as otherwise stipulated by appropriate authority.

INCURRING COSTS

The Town of Watertown is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.

FAMILIARITY WITH THE WORK

Each bidder is considered to have examined the work to fully acquaint him/herself with the exact existing conditions relating to the work and has fully informed himself as to the work involved and the difficulties and restrictions attending the performance of this bid. Failure to do so will not relieve a bidder of his obligation to furnish all labor, material and equipment necessary to carry out the work for the consideration set forth in this bid. The submission of a bid will be considered as conclusive evidence that the bidder has made such examination.

Where exploration or inspection data is shown on the Plans and/or specifications or made available to the Bidder, it is understood that such data where obtained in the usual manner and with reasonable care and are to be interpreted and used as the Bidder sees fit. There is no expressed or implied agreement that the data has been correctly indicated, and the Bidder is cautioned to take into account that conditions affecting the work may differ from those indicated.

The Owner assumes no responsibility whatsoever with respect to ascertaining for the Contractor such facts concerning physical characteristics relating to this project. The Bidder agrees that he shall
make no claim for and has no right to additional payment or extension of time for completion of the work, or any other concession, because of any interpretations or misunderstanding on his part of this bid, or because of any failure on his part to fully acquaint himself with all conditions relating to the work. Permission for making borings, test pits, destructive tests or other investigations of subsurface conditions will be arranged for by the bidder upon receipt of a written approval by the Town.

CONSIDERATION OF PRIOR SERVICE
Previous performance, quality of service and merchandise will be considered.

ADDENDA AND INTERPRETATIONS & ALTERNATE PROPOSALS
Addenda information will be available online at http://www.watertownct.org. Adobe Acrobat® Reader may be required to view this document. It is strongly suggest that Bidders check for any addenda a minimum of forty eight hours in advance of the bid deadline.

At the time of the opening of bids each Bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda). The failure or omission of any Bidder to receive or examine any form, instruction or document shall in no way relieve any bidder from any obligation in respect to his bid.

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of these specifications, he may submit a written request for an interpretation to the Purchasing Agent. No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any Bidder orally.

Every request for such interpretation should be in writing addressed (duplicate copy) to the Town of Watertown, Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795, and to be given consideration, must be received at least five (5) days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplementary instructions will be in the form of written Addenda to the Specifications which, if issued, will be mailed by Registered Mail with Return Receipt Requested to all prospective Bidders at the respective addresses furnished for such purposes, not later than three (3) days prior to the date fixed for the opening of bids. Failure of any Bidder to receive any such Addendum or interpretations shall not relieve any Bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. Oral explanations will not be binding on the Town.

The specifications listed are to be interpreted as meaning the minimum acceptable by the Town of Watertown. Bidders are requested to submit quotations on the basis of these specifications. Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained. Any exceptions to the specifications requested herein must be clearly noted in writing and are to be included as a part of the bid proposal. If none are included it will be assumed that there are none.

Definition of the word "complete" means that each unit of the equipment proposed shall include all
appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.

An item equal to that named or described in the specifications may be furnished by the Bidder, except where expressly noted as "no substitutions." The naming of any commercial name, trademark, or other identification shall not be construed to exclude any item of any manufacturer not mentioned by name, nor limit competition, but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if:

- It is at least equal in quality, durability, appearance, strength and design.
- It will perform at least equally the function imposed by the design for the work being contracted for or the material being purchased.
- It conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.

The Bidder shall hold the Town of Watertown, its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or uncopyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at his own expense, any and all actions brought against the Town of Watertown or himself because of the unauthorized use of such articles.

QUOTATION LIMITATION
Bidders shall offer only ONE ITEM AND PRICE for each line item bid. If an or equal item is to be bid, the bidder is to select the brand and model that meets or exceeds the specified item, and submit his bid for that item.

ESTIMATE OF WORK
For bidding purposes, the work has been subdivided into unit price items. The quantities shown are to be considered as approximate only. The Purchasing Agent does not expressly or by implication agree that the actual quantity will correspond therewith, but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.

SAMPLES
Samples of articles, when required shall be furnished free of cost of any sort to the Town of Watertown. Samples received may be retained by the Town for future comparison. Samples which are not destroyed by testing, or which are not retained for future comparison will be returned upon request at the bidder's expense.

WITHDRAWAL OF BID
Bidders may withdraw their proposals at any time prior to the bid date. No agent/broker shall withdraw or cancel their proposal for a period of sixty (60) days after the bid closing date of 11:00 a.m., Thursday, June 5, 2014. The successful agent/broker shall not withdraw, cancel or modify their proposal.
BID SECURITY
Each bid must be accompanied by a certified check or bid bond equal to five (5)% of the total bid for the first year of the proposal. Bid securities will be returned to all but the lowest three apparent low bidders at the time of the bid opening. The remaining bid securities will be returned upon signing of the contract. Checks or bonds must be made to the order of the Town of Watertown. It must be a certified check drawn on a Connecticut bank or a bid bond in the form and with a surety company acceptable to the State Banking and Insurance Commissioner.

Securities may be held by the Town of Watertown for a period not to exceed 60 days from the date of the opening of the bids.

The successful bidder, upon his/her failure or refusal to sign the contract, shall forfeit to the Town as liquidated damages for such failure or refusal, an amount equal to the security deposited with his/her bid. A successful bidder shall forfeit the bid deposit if within five days after notice that the contract has been awarded to him/her, shall refuse or neglect to execute the same, the bid deposit shall be forfeited to and retained by the Town as liquidated damages for such refusal or neglect.

Bid security will be returned to all bidders except the successful bidder within five (5) calendar days after the bid award date. The date of the issuance of a Town of Watertown purchase order shall be considered the award. The bid security of the successful bidder will be returned upon receipt of the required performance bond, letter of irrevocable credit, other insurance, and any other items required by these bid specifications prior to commencing work or deliveries. If no award is made within sixty (60) days after the date of the bid opening, bid security will be returned to all bidders upon demand.

PERFORMANCE BONDS / PAYMENT BONDS
A performance bond is required and shall be in the amount of 100% of the bid award, in the name of the "Town of Watertown", in the form and with a surety company approved by the State Commissioner of banking and insurance, and issued within ten (10) calendar days of the bid award date. Surety companies executing Bonds must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the State of Connecticut. This financial instrument shall be for the faithful performance of the contract, and shall be used at the sole discretion of the Town of Watertown to pay liquidated Damages for failure or refusal to perform in accordance with the contract. No withdrawals shall be made until after five (5) calendar days notice of noncompliance with the contract is sent by certified U.S. Mail. This in no way limits further actions the Town of Watertown may take.

POWER OF ATTORNEY
Attorneys-in-fact who sign contract bonds must file, with each bond, a certified and effectively dated copy of their power of attorney.
EXECUTION OF CONTRACT
The party to whom the Contract is awarded, or his authorized representative, will be required to attend at the office of the Purchasing Agent of the Town of Watertown, with the sureties offered by him or them, and a current certificate of Corporate good standing issued by the Office of the Secretary of State, in which the corporation is incorporated, and execute the Contract within five (5) days from the date of the award. If the party entering into this contract is a corporation, a Corporate Resolution duly executed by the President and Secretary of the Corporation authorizing the Corporation to enter into this Contract shall be provided. In case of his failure or neglect so to do, the Town may, at its option, determine that the Bidder has abandoned the Contract, and thereupon the Proposal and acceptance shall be null and void, and bid security accompanying the Proposal shall be forfeited as liquidated damages to the Town. If the party entering into this contract is a partnership, a partnership resolution duly executed by a majority of the general partners authorizing the partnership to enter into this contract shall be provided.

SUBCONTRACTORS
- Each bidder contemplating the use of any subcontractor shall submit a list of subcontractors as listed on the Bid Form.
- The apparent low bidder shall file with the Town of Watertown, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible and qualified subcontractors who are actually to perform major portions of the work. This in no way restricts or limits the requirement that all subcontractors must be approved by the Town.
- Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of the Town of Watertown.

Local subcontractors, material suppliers, and labor in the Town of Watertown should be considered and sought insofar, as is practical in the performance of this project.
QUALIFICATION OF BIDDER
In determining the qualifications of a bidder, the Town may consider his record in the performance of any contracts for similar work into which he may have previously entered; and the Town expressly reserves the right to reject the bid of such bidder if such record discloses that such bidder, in the opinion of the Town, has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors.

The Town may make such investigation as he deems necessary to determine the ability of the bidder to perform the work and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by or the investigation of such bidder fails to satisfy the Town that such bidder is properly qualified, or that such bidder misrepresented material facts in the bid documents.

DISQUALIFICATION OF BIDDERS
More than one proposal from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such Bidder is interested. Any or all proposals in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future proposals for the same work. Proposals in which the prices are obviously unbalanced may be rejected. No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.

DELIVERY
Inasmuch as this work concerns a needed public improvement, the provisions of this bid relating to the time of delivery, performance and completion of the work are of the essence of this bid. Accordingly, the successful bidder shall commence work on or about June 15, 2014 unless the Town shall authorize or direct a further delay.

Work is to be completed by September 6, 2014 or liquidated damages will take effect in the amount of $1000 per day.

Prices quoted must include delivery to the Town of Watertown as specified on the Purchase Order. No charges will be allowed for parking, crating, freight, express or cartage unless specifically stated and included in this bid.

Time of delivery may be considered in the award.
PAYMENT

The Town, after inspection and acceptance of workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this Contract, within (30) Thirty Days of the receipt of the final invoice. When subcontractors or suppliers are utilized, the successful Bidder for this project shall be required to submit a Mechanics Lien Waiver, acceptable to the Town, with each progress payment and/or at time of final payment prior to any payment being made.

Time, in connection with any discount offered, will be computed from the date of delivery to the Town or from the date a correct invoice is received by the Town's Finance Department, if the latter date is later than the date of delivery.

Prices will be considered as NET, if no cash or payment discount is shown.

The successful bidder shall submit invoices to the following address:
  Town of Watertown
  Public Works Department
  61 Echo Lake Road
  Watertown, CT 06795

IT IS UNDERSTOOD AND AGREED THAT SHOULD A BID BE ACCEPTED, IT WILL AUTOMATICALLY BECOME THE CONTRACT OR AN ADDENDUM TO ANY CONTRACT AGREED UPON.

Notification of the bid award will be made by issuance of a purchase order. Bidders are to list their bids on the appropriate attached sheets. Bidders may attach a letter of explanation. A clear notification should be made on the standard bid sheets at the appropriate point of explanation that there is a letter of explanation attached. All bids must be NET prices.

The successful bidder shall submit an itemized invoice to the Town of Watertown for the work as described herein.

The bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment and at time of final payment prior to any payment being made.

At the time of award the successful bidder shall be required to supply the Town of Watertown a Certificate of Good Standing, certifying that the corporation is in fact a valid corporation and presently licensed to conduct business in the State of Connecticut.
SALES TAX
Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax. The Bidder shall familiarize himself with current regulations of the State Tax Department. The tax on materials or supplies exempted by such regulations shall not be included as part of the bid. The Town will furnish the successful Bidder sales tax exemption authorization.

CARE AND PROTECTION OF PROPERTY
The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within the Town's right of way. He shall make good any damages to the satisfaction of the Town. There shall be no additional compensation for the repair or restoration of private or public property improvements.

COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES
The Bidder shall be responsible for full compliance with any Federal, State and/or Local codes, laws, regulations and standards, as applicable.

AWARD
The Town of Watertown reserves the right to accept or reject any bid to best serve its interests, or to hold the bids for sixty (60) days before decision.

The Town reserves the right to reject any and all bids (or any part thereof), to waive defects in proposals, or to accept any proposal deemed to be in its best interest.

Exceptions will be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"

Each exception will be considered as to its degree of impact and total effect on the bid. The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.

The Town of Watertown reserves the right:

- To award bids received on the basis of individual items, or groups of items, or on the entire list of items.
- To reject any or all bids, or any part thereof.
- To waive any informality in the bids.
- The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidders business within the Town of Watertown in awarding this bid.
- To accept the bid that is in the best interest of the Town of Watertown. The Purchasing Agent's decision shall be final.
INSURANCE
A. **General:**
The Bidder shall be responsible for maintaining insurance coverage in force for the life of the contract of the kinds and adequate amounts to secure all of the Bidder’s obligations under the contract with an insurance company with an AM Best Rating of A - VII or better licensed to write such insurance in Connecticut and acceptable to the Town of Watertown.

The insurer shall provide the Town of Watertown with Certificates of Insurance signed by an authorized representative of the insurance company(ies) prior to the performance of this contract describing the coverage and providing that the insurer shall give the Town of Watertown written notice at least thirty (30) days in advance of any termination, expiration, or any and all change in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the Bidder’s responsibility under this agreement.

The Bidder at his own cost and expense shall procure and maintain all insurance required and shall name the Town of Watertown as an additional insured on all contracts except Worker’s Compensation and Professional Errors & Omissions coverage.

In order to facilitate this requirement for insurance, it is recommended that the bidder forward a copy of this exhibit to the bidder’s insurance representative(s).

B. **Specific Requirements:**
   (1) **Workers’ Compensation Insurance**
   The Bidder shall provide Workers’ Compensation Insurance required by law and the Employer’s Liability Insurance for at least the amounts of liability for Bodily Injury by accident of $100,000 each accident; Bodily Injury by Disease each employee of $100,000; Bodily Injury by Disease, policy limit of $500,000.

   (2) **Commercial General Liability Insurance**
   The Bidder shall carry Commercial General Liability policy (Insurance Services Office Incorporated Form CG-0001 or equivalent). A per occurrence limit of $1,000,000 is required. The Aggregate Limit will be not less than $1,000,000.

   (3) **Business Automobile Liability Insurance**
   The Bidder shall carry Business Automobile Liability Insurance. (Insurance Services Office Incorporated Form CA-00001 or equivalent). A per occurrence limit of $1,000,000 is required. “Any Auto” (symbol 1 or equivalent) is required.

C. **Hold Harmless & Subcontractor’s Requirements:**
The Bidder shall require the same insurance that it is required to carry by the Town of Watertown to be carried by any subcontractors and independent contractors hired by the Bidder and to obtain
Certificates of Insurance before subcontractors and independent contractors are permitted to begin work.

The Bidder shall require that the Town of Watertown be named as Additional Insured on all subcontractor’s and independent contractor’s policies before they are permitted to begin work.

The Bidder and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the Town of Watertown, and its officers, agents, servants and employees for losses arising from the work performed by each on this contract.

The Bidder assumes and agrees to hold harmless, indemnify, protect and defend the Town of Watertown against any and all liability for injuries and damages to Bidder and to Bidder’s employees, agents, subcontractors and guests, third parties or otherwise incident to or resulting from any and all operations performed by a contractor under any terms of this contract.

D.  Other Data:

NOTE 1: If Bidder is only a vendor shipping goods via Common Carrier only, General Liability is required.

NOTE 2: If Bidder is a Professional, Errors & Omission coverage will be required.

NOTE 3: The Town reserves the right to amend amounts of coverage required and the types of coverage provided based on work or service to be performed.

GUARANTEE

The bidder shall unconditionally guarantee for a period of one (1) year from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship, delivery and installation. If within the guarantee period there are any defects or signs of deterioration the bidder shall repair, adjust or replace the item(s) to the complete satisfaction of the Town. These repairs, adjustments, or replacements are at the sole expense of the bidder and shall be made at such times that are agreeable to the Purchasing Agent so that it is least detrimental to instructional programs.

REPAIRS FOR ONE (1) YEAR

The bidder’s attention is especially directed to the Guarantee Section of the contract whereby two percent (2%) of the Contract amount will be retained for making repairs on the work, as may be required, during the guarantee period of one (1) year after the date of the final estimate.

PERMITS

When required all licenses and permits for complying with any applicable Federal, State, and Municipal laws, codes, regulations in connection with the prosecution of the work shall be obtained by the Bidder, at no additional cost to the Town. The cost of local building permits will be assessed at sixteen cents per one thousand dollars of construction value as declared on the building permit application pursuant to State of Connecticut Statute Sec. 29-263 by the Town of Watertown. The
successful contractor will be responsible for payment to the Town of Watertown Building Inspection Department.

PREVAILING WAGES
The Town of Watertown shall require the payment of prevailing rates of wages in accordance with the wage section of the Connecticut General Statutes 31-53, 93-392 and shall institute such investigations and periodic monitoring procedures as deemed necessary to determine compliance with labor standard provisions and the Federal requirements of the Statutes as amended.

NONDISCRIMINATION IN EMPLOYMENT
The successful bidder shall agree and warrant that, in the performance of this contract, he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. A certification of Nonsegregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

DISPUTE RESOLUTION
1. Mandatory Negotiation.
   The parties agree that they will attempt to negotiate in good faith any dispute of any nature arising under this agreement. The parties shall negotiate in good faith at not less than two (2) negotiation sessions prior to seeking any resolution of any dispute by any means under Dispute Resolution provisions contained herein below. Each party shall have the right to legal representation at any such negotiation session.

2. Mandatory Mediation.
   Any dispute or question arising under the provisions of this agreement, which has not been resolved under the mandatory negotiation provision, shall be submitted to non-binding mediation before one (1) mediator agreed upon by the parties or appointed by the American Arbitration Association. Mediation proceedings shall take place at any suitable location in Watertown, Connecticut and shall be conducted in accordance with the rules and procedures of the mediation then applicable of the American Arbitration Association. If an independent mediator is agreed upon by the parties, said independent mediator shall establish the rules of such mediation. Each party shall pay one half of all costs and expenses of such mediation. The parties shall use their best efforts to reach a good faith resolution of said dispute within ninety (90) days after the commencement of the mediation proceedings. Any decision of the mediator shall not be binding upon the parties except by agreement of the parties.

3. Election to Begin Court Proceedings.
   Provided the parties have completed the mandatory negotiation proceedings and the foregoing provisions with respect to mediation notwithstanding, if either party determines that mediation is not an appropriate means to settle any such dispute, such party shall have the right to commence judicial proceedings for the purpose of settling any such dispute.
MECHANICS LIEN WAIVERS
The successful Bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment, and/or at time of final payment, prior to any payment made.

PRE-BID CONSTRUCTION MEETING
All bidders are invited to attend a Pre-Bid meeting for the purpose of viewing the proposed scope of services required, and obtaining information relating to the proposed project. The meeting is scheduled for 10:00 a.m., Friday, May 30, 2014 at the Veterans Park pavilion. No additional viewing appointments will be scheduled. Bidders are not required to attend this scheduled Pre-Bid Meeting; however, this will not relieve any responsibility of the Bidder.

OSHA 10 HOUR CERTIFICATION
Contractor shall provide documentation to verify that all employees working on project have received OSHA 10 Hour certification.

For further technical or administrative information contact Jason Warner, Purchasing Agent at (860) 945-5260 or via email at warner@watertownct.org.
Scope of Work
The Contractor shall provide all labor, superintendence, materials, plant, tools and equipment necessary for the proper completion of the project as shown on the Contract Drawings and specified herein within the time stipulated.

Standards
Whenever reference is made in this Contract to the Standard of any technical society or other recognized organization, these shall be construed to mean the latest standard adopted and published at the date of the advertisement for bids.

Abbreviations are defined as follows:

- ASTM - American Society for Testing and Materials
- ANSI - American National Standards Institute
- ASA - American Standards Association
- ACI - American Concrete Institute
- AASHTO - American Association of State Highway and Transportation Officials
- ASME - American Society of Mechanical Engineers
- IEEE - Institute of Electrical and Electronics Engineers
- AWWA - American Water Works Association
- ACPA - American Concrete Pipe Association

Lines and Grades
The Engineer will establish all principal benchmarks and lines and grades required for the work and will make the surveys and measurements necessary for determining pay quantities. All intermediate lines, grades, and measurements required for the construction details shall be laid out by the Contractor and he shall be responsible for their accuracy. The Contractor shall provide such facilities and men as may be necessary for the Engineer to check lines and grade points placed by the Contractor. All material required for grade stakes shall be furnished by the Contractor and after the required lines and grades have been established thereon, they shall be properly protected to prevent movement or displacement. The Contractor shall keep a transit and leveling instrument on or near
the site at all times and a skilled instrument man, employed or obtained whenever necessary, for layout of all locations, dimensions, and levels, and no data, other than the information contained in the Drawings, Specifications, and written orders of the Engineer, shall justify departure from the dimensions and levels required by the Drawings.

**Contract Drawings and Working Drawings**
The work is shown on the accompanying Contract Drawings. Such additional working drawings, as required because of changes or to provide greater detail, will be provided by the Engineer.

**Alterations**
The Engineer may make alterations to the line, grade, plan, form, dimension, or materials of the work, or any part thereof, either before or after the commencement of the work. If such alterations increase the quantity of work, such increase will be paid for according to the quantity of such extra work actually done and at the prices stipulated for such work under unit price items of the Contract. In case no unit price is applicable, the alterations will be paid for as extra work defined in the Contract under the section entitled *Extra Work*.

**Planimeter**
The use of the planimeter shall be considered satisfactory for estimating quantities where geometric and analytic methods would be comparatively laborious.

**Contractor’s Schedule of Operations**
The Contractor shall submit, within then (10) days of the date of the Notice to Proceed, a preliminary schedule of operations for the project to the Engineer for approval. The approved preliminary schedule shall be used to prepare a detailed schedule of the principal construction events including all proposed purchase and delivery dates for items with critical delivery times. A supplemental bar graph shall also be prepared based on this construction schedule. The detailed schedule and supplemental bar graph shall be submitted within ten (10) days of the date of the Notice to Proceed.

The status of the project shall be evaluated monthly by the Contractor and shall be compared to the original schedule which shall be revised, if necessary, and reissued.

**Coordination with Other Contractors and Utilities**
During the progress of the work, other contractors and/or utilities may be engaged in performing work in the area. The Contractor shall coordinate the work to be done under this Contract with the work of others.

**Cost Breakdown**
Prior to the first estimate for payment to the Contractor, the Contractor shall submit to the Engineer for approval a detailed cost breakdown of the various amounts to be paid for within each Lump Sum Item, as applicable. It shall also include, but not necessarily be limited to, proportional amounts of bonds, insurance, and miscellaneous works which are to be paid for throughout the life of the Contract, and which are not specifically included for payment under other Items and/or Division of
the Contract.

**Estimated Quantities**

To aid the Engineer in determining quantities to be paid for, the Contractor shall, whenever requested, give the Engineer access to the proper invoices, bills of lading, or other pertinent documents and shall provide methods and assistance necessary for weighing or measuring materials.

**Payment for Miscellaneous Work**

No direct payment will be made to the Contractor for furnishing and providing miscellaneous temporary works, plant, and services, including Contractor’s office, sanitary requirements, water supply, power, tools, equipment, lighting, telephone systems, store houses, store yards, safety devices, permits, insurances, bonds, watchmen, clean up, and the like, or other items specified under these General Requirements, unless payment therefor has been specifically provided. Compensation for the same is understood to be included in the scheduled prices hereinbefore given for the various kinds of work contemplated.

**Extra Work**

The Contractor shall and will do any and all work and furnish any and all materials not herein provided for which, in the opinion of the Town, may be found necessary or advisable for the proper completion of the work or the purposes thereof, or any modifications or alterations thereto.

All extra work and materials shall be ordered in writing by the Town, and in no case will any work or materials in excess of the amount shown in the Plans and Specifications be paid for unless so ordered. Additionally if the extra work requires additional cost, a purchase order must be issued prior to work commencing, as required by Section 707 of the Watertown Town Charter. If an additional appropriation in excess of $25,000.00 is required, a special town meeting must be held to appropriate the funds in accordance with Section 704 of the Watertown Town Charter. No claim for delay shall be made as a result of this process. No voucher, claim or charge against the Town shall be paid, nor is the Town liable for any voucher claim or charge unless a purchase order is issued. The Contractor further agrees that he shall accept, as full compensation for such extra work and materials, the unit price bid, in the case of items covered by unit prices in the Proposal, and no more; and for such items as are not covered by a unit price, he shall accept as full compensation:

- an agreed upon lump sum price, or
- the reasonable cost, as determined by the Town, of all necessary labor, including insurance and payroll taxes, equipment rental, and materials, plus fifteen percent (15%) which covers supervision, the use of tools and plant, and other overhead expenses and profit.

The equipment rental charge shall be at prevailing rates usually paid locally but shall in no case exceed the amount prorated on the basis of the monthly equipment rental rates compiled by the Associated Equipment Distributors.

When extra work is performed by an approved subcontractor, the Contractor shall be entitled to five percent (5%) of the direct cost of the subcontractor’s work to cover his overhead expenses and profit.
The Contractor agrees to prosecute such extra work with all reasonable diligence and to employ thereon competent men. The Contractor shall give the Town access to all accounts, bills, payrolls, and vouchers relating to extra work not covered by unit prices, and he agrees that he shall have no claim for compensation for such extra work in the case of items not covered by unit prices, unless a statement in writing of the actual cost of the same, fully itemized as to labor and materials, is presented to the Town before the fifteenth (15th) day of the month following that during which each specific order was complied with by him.

**Drawings and Information to be Furnished by the Contractor**

For materials and equipment not supplied by the Owner, the Contractor shall promptly furnish to the Engineer, for his information, three (3) copies of drawings in detail of the materials, equipment, piping, and structural details for any part of the work for which Drawings are not to be issued by the Engineer. Before placing orders for any manufactured item or part of structure, he shall also submit three (3) copies, for approval, of detailed lists and descriptions of the various materials, fixtures, fittings, supplies which he proposes to use in the work, and also the names of individuals or companies who propose to furnish or manufacture the same. Copies of results of all tests of materials and equipment shall be furnished by the Contractor immediately following the performance of required tests.

Prior to the submittal of shop drawings, the Contractor shall check, approve, initial, and date the drawings and shall also indicate by reference the Specification and/or Plan which covers the item. Submittals will be returned to the Contractor if they have not been properly processed by him.

Approval by the Engineer of shop drawings for any material, apparatus, device, and layout shall not relieve the Contractor from the responsibility of furnishing same of proper dimension, size, quality, quantity, and all performance characteristics to efficiently perform the requirements and intent of the Contract Documents. Approval shall not relieve the Contractor from the responsibility for errors of any sort on the shop drawings. If the shop drawings deviate from the Contract Documents, the Contractor shall advise the Engineer of the deviations in writing, including the reasons for the deviation.

In the event the Contractor obtains the Engineer’s approval for the material, manufactured items, or equipment, other than that which is shown on the Plans or specified herein, the Contractor shall, at his own expense, make any changes as required in the structures, buildings, piping, or any other portion of the work necessary to accommodate the approved material, manufactured item, or equipment.

**Contract Limits**

The Contractor shall confine his activities to within street lines, easements, and rights-of-way.

The Contractor shall take particular care to protect trees and shrubs and private personal property. He shall make good any damage to the satisfaction of the Engineer.
The Contractor shall not enter upon or make use of any private property along the line of work, outside the limits of the rights-of-way, except when written permission is secured from the owner of said property and a copy delivered to the Engineer. The Contractor shall be held responsible for all damages or injury, done by himself or those in his employ, to any private or public property of any character during the prosecution of the work. The Contractor shall restore or repair at his own expense, in a manner satisfactory to the Engineer, such property as may be damaged by his operations during the prosecution of the work.

In case of failure on the part of the Contractor to restore or repair such property in a manner satisfactory to the Owner, the Owner may, upon 48 hours notice to the Contractor, proceed with such restoration or repair. The expense of such restoration or repair shall be deducted from any monies, which are due or may become due the Contractor under this Contract.

The Owner will obtain photographs and/or video tape recordings of the site prior to the start of work under this Contract and Agreement. These photographs and/or recordings will be used to judge the conditions of the site during the course of the work and the adequacy of restoration of the site after completion of the work.

Cleaning up Site
During the progress of the work, the Contractor shall keep the construction area in a neat condition, free from accumulations of waste materials and rubbish. Lunch papers, bottles, lumber cut-offs, drinking cups, and like rubbish shall be removed from the site daily. No alcoholic beverages will be permitted at the construction site(s).

On or before completion of the work and before acceptance and final payment shall be made, the Contractor shall clean and remove from the site and adjacent property all surplus and discarded materials, rubbish and temporary structures, and restore all property in an acceptable manner and leave the whole area in a neat and presentable condition.

Storage of Materials
Materials shall be stored so as to insure the preservation of their quality and fitness for the work. When considered necessary, they shall be placed on wooden platforms and covered or stored in a suitable building, as directed by the Engineer. Stored materials shall be located so as to facilitate prompt inspections.

Materials and equipment supplied by the Owner shall be jointly inspected by the Owner and the Contractor and shall, upon acceptance by the Contractor, become the Contractor’s responsibility to make good any damage to the materials and equipment until they have been incorporated and accepted in the work.
Removal of Condemned Materials

The Contractor shall immediately remove all rejected and condemned materials of any kind brought to or incorporated in the work from the site of the work. No such rejected or condemned materials shall again be offered for use by the Contractor.

Hauling Materials

Before starting any work the Contractor shall arrange for the use of routes of travel for hauling materials, including surplus earth and rock, with the Municipal or State Officials having jurisdiction that will result in minimum inconvenience to the traveling public. Routes of travel so scheduled shall be adhered to throughout the course of the work, unless otherwise approved.

Accommodation of Traffic

During the progress of the work, all streets shall be kept open for the passage of traffic and pedestrians and shall not be obstructed unless authorized by the authority having jurisdiction over same. Driveways, sidewalks, and areas of roadway shall be closed as short a time as possible while work is in progress and passage shall be restored by the close of work every day, by properly placed backfill or approved bridging. The Contractor shall take such measures at his own expense as may be necessary to keep the street open for traffic and shall give advance notice to the Fire and Police Departments, and the Board of Education of his proposed street operations. He further agrees to be responsible for all legal notices to the public concerning the state of the roads while the work is in progress.

Warning signs shall be provided along all streets while work is in progress and, where traffic direction is required, flagmen shall be designated by the Contractor to direct traffic past the equipment, machinery, or construction operations. Barricades and lights shall be provided as required to protect life and property. Where trenches have been cut in streets on which traffic may pass at times, warning signs shall be placed at frequent intervals and maintained until the street is safe for travel. All such work and operations shall be in accordance with requirements of the Owner and the Specification herein. The use of unauthorized or unapproved signs, barricades, or traffic delineators will not be permitted.

The Contractor shall construct and maintain, without extra compensation, such adequate and proper bridges over excavations as may be necessary or directed for the purpose of accommodating pedestrians and vehicles. Ingress and egress to private property, satisfactory to the Engineer, shall be continuously provided.

Should the Contractor or his employees neglect to set out and maintain barricades or lights, as required in the Specifications, the Engineer may immediately and without notice arrange for furnishing, installing and maintaining barricades or lights and any other precaution deemed necessary. The cost thereof shall be borne by the Contractor and may be deducted from any amount due or to become due to the Contractor under this Contract.
The Contractor shall be held responsible for any damages that may have to be paid as a consequence of the Contractor’s failure to protect the public.

The Engineer and the Chief of Police will determine the need for uniformed police officers for traffic control. If uniformed police officers are deemed necessary, the cost of the officers will be borne by the Town, unless otherwise specified.

**Temporary Roads (if required)**
The Contractor shall be responsible for providing and maintaining such temporary access roads, to and along right-of-way, as are necessary for transportation of materials and equipment. Where such roads are on private property he shall obtain permission for their construction and use and pay all costs pertaining thereto.

**Dust Control**
The Contractor shall take all necessary precautions to prevent and abate nuisance caused by dust arising from his operations. Approved methods applicable to various parts of the work, such as application of water spray or calcium chloride, shall be employed. This also applies to maintaining temporary paving nuisance-free until permanent paving is placed. The area of construction along roadways shall be broom swept each day after completion of the day’s work and the application of water as necessary, all at no additional cost to the Owner.

**Working Conditions**
In prosecuting the work of this Contract, the Contractor shall provide working conditions on each operation that shall be as safe and healthful as the nature of the operation permits. He shall comply with all safety and sanitary rules, laws and regulations.

**Work in Inclement Weather**
During freezing, stormy or inclement weather, no work shall be performed except such as can be done satisfactorily and in such manner as to secure first-class construction throughout.

**Working Hours**
The Contractor’s working schedule shall be confined to a five (5) day week, Monday through Friday, and the working day shall be confined between the hours of 7:00 a.m. and 6:00 p.m. current local time.

Unless otherwise especially permitted, no work shall be done between the hours of 6:00 p.m. and 7:00 a.m. except as necessary or the proper care and protection of the work already performed. If it shall become absolutely necessary to perform work at night, the Engineer shall be informed at least 24 hours in advance of the beginning of the performance of such work. Only such work shall be done at night as can be done satisfactorily and in a first-class manner. Good lighting and all other necessary facilities for carrying out and inspecting the work shall be provided and maintained at all points where such work is being done.
Note: There must be access to the park for the general population at all times

Emergency Work
The Contractor shall file, with the Public Works, Fire and Police Departments of the Town of Watertown, the name and telephone number of a person authorized by him who may be contacted regarding emergency work at the job site that may be required during non-working hours for reasons of public safety.

This person shall be readily available and have full authority to deal with any emergency that may occur.

Environmental Compliance
A. General
This section of the Contract is provided to identify those construction activities or other activities under the Town’s control or jurisdiction which may have a negative effect on the environment, including the Town’s native waters and natural resources, and to prevent or minimize any damage to the environment which might result from such activities, both during and following the completion of any transportation project.

This section reinforces those environmental protection requirements which the Contractor is bound to meet under the terms of the Contract, or under Federal, State or Local laws and regulations. If a Contractor fails to comply with environmental provisions of the Contract or law, the Contractor shall be penalized as provided in this Section and as provided elsewhere in this Contract.

B. Compliance with Laws and Regulations.
The Contractor shall at all times conduct his operations in conformity with all Federal, State and Local permit requirements concerning water, air or noise pollution or the disposal of contaminated or hazardous materials, Permit requirements include but are not limited to those established by regulations administered by the United States Coast Guard, the U.S. Army Corps of Engineers and the U.S. Environmental Protection.

Appropriate permits shall be required for all activities associated with or incidental to the Contractor’s operations including, but not limited to, those on the Project site and in all adjacent areas, waste and disposal areas, borrow and gravel banks, storage areas, haul roads, access roads, detours, field offices, and any other temporary staging areas. The Contractor shall be responsible for, and hold the Town harmless from, any penalties or fines which may be assessed by any authority due to the Contractor’s failure to comply with the terms of all applicable permit requirements.

The Town will submit all applications and obtain all permits required for Contract work within the limits shown on the plans or identified elsewhere in the Contract documents. The Contractor shall
transfer the Watertown Conservation permit from the name of the Town to his own name. A copy of the permit application and the permit are attached.

Any request by the Contractor for authorization of activities or methods not specifically called for by the Contract, plans, applications submitted or applicable permits issued for the Project must be submitted by the Contractor in writing to the Engineer, and must include a detailed description of the proposed activities or methods, the justification for those activities and supporting documentation showing the proposed activity or method will not create risks of damage to the environment. If such proposal is accepted by the Engineer, the Town will process an application to the appropriate regulatory agency or agencies for any permit amendment, modification, revision or new permit required for the Contractor to carry out the additional activities or implement the changed methods on the Project. The Town does not, however, guarantee that it will be able to obtain the desired permit amendment, modification or revision, and the Town will not be liable for the effects of any inability to do so. No extension of time will be granted as a result of the contractor’s request to perform work not authorized as part of the established permit requirements. If the amendment, modification, or revision of the permit is not necessary for the Contractor to perform the work as required by the original Contract or as subsequently ordered by the Engineer, then no claim may be made by the Contractor based on the amount of time taken by the Town to review the Contractor’s proposal, or to apply for or secure the permit amendment, modification or revision. No such proposed additional activity shall commence, nor shall such a changed method be implemented until and unless the Engineer approves in writing the Contractor’s request.

In case of failure on the part of the Contractor to perform pollution control work as determined by the Engineer, the Engineer may, upon 24 hours written notice, arrange for the performance of the work by approved forces and the cost thereof will be deducted from any monies due or which may become due the Contractor under the Contract or under any other State contract.

C. Water Pollution Control

1. The Contractor shall, throughout the life of the contract, control and abate siltation, sedimentation and pollution of all waters, under ground water systems, inland wetlands, and navigable waters for work appearing on the plans. Temporary construction methods proposed by the Contractor shall also conform to all application or permit requirements. The Contractor shall assume responsibility for all obligations and costs incurred under the terms and conditions of such permit applications or permits.

The Contractor shall obtain any permits and pay any fees required for the performance of work which is not included in the original Contract or which is to be done outside the Project limits but which is proposed in the fulfillment of his Contract obligations including, but no limited to, the removal of material from, deposition of materials in, obstruction of, construction within, alteration or pollution of any inland wetland, navigable water, streams, ponds, lakes, water supplies or other water bodies.

2. The following items may be superseded by specific permits from the Connecticut Department of Environmental Protection (DEP) or the Watertown Conservation Agency (WCA). The Contractor
shall not make any design changes in the Contract work which requires a variance from the requirements of the following items until and unless the Contractor has first submitted a detailed written proposal for such changes to the Engineer for review by the Department and for transmittal to and review by the DEP and/or the WCA and then received approval form the Town of the proposed variances.

BEST MANAGEMENT PRACTICES

1. No construction shall proceed until erosion and sedimentation control plans, prepared by the Contractor, have been submitted in writing and approved by the Engineer, and until such controls have been installed as the Engineer directs. Such plans shall be consistent with the Connecticut Council on Soil & Water Conservation document “Connecticut Guidelines for Soil Erosion and Sediment Control,” as revised and the 2004 Connecticut Stormwater Quality Manual, which are available from the Connecticut Department of Environmental Protection, and with the Department document “On Site Mitigation for Construction Activities,” as revised.

2. Refueling of equipment or machinery within 8 m of any wetland or watercourse shall be allowed only with the approval of the Engineer.

3. No construction shall proceed until a written proposal of methods to prevent construction debris, paint, spent blast materials, or other materials from entering the wetland or watercourse has been submitted by the Contractor to the Engineer and approved by the Engineer, and such methods have been implemented as the Engineer directs. These materials shall be collected and disposed of in an environmentally safe manner in accordance with all applicable Federal, State and local laws and regulations. The Engineer may order the Contractor to cease such activity temporarily if, in the judgment of the Engineer, wind or storm conditions threaten to cause the deposit of such materials into a waterway.

4. No materials resulting from construction activities shall be placed in or allowed to contribute to the degradation of an adjacent wetland or watercourse. Disposal of any material shall be in accordance with Connecticut General Statutes, including but not limited to Sections 22a-207 though 22a-209.

5. Fording of streams with equipment shall be prohibited, except as approved by the Engineer and as permitted by the WCA. Such equipment travel shall be minimized. Where frequent equipment travel on stream banks and beds is necessary, washed stone shall be placed to minimize erosion, sour, and turbidity, provided no significant grade change will be required for any haul road or temporary structure placed in wetlands or watercourses.

6. All off-site disposal locations for material and debris resulting from the progress of the Project shall be submitted in writing to the Engineer who shall determine whether or not they are acceptable. The Contractor shall ensure that these locations are outside of designated wetlands or watercourses, unless otherwise approved by local, state, or federal agencies with jurisdiction over the matter.

7. A construction sequencing plan and a water handling plan including a contingency plan for flood events must be submitted in writing to the Engineer and approved by the Engineer prior to the commencement of any construction in a waterway. Water
shall be kept deep enough in the channel to allow for the passage of fish and the continuous flow of the watercourse as required by the Engineer.

8. When dewatering is necessary, pumps shall not discharge directly into the wetland or watercourse. Prior to dewatering, the Contractor must submit to the Engineer a written proposal for specific methods and devices to be used, and obtain the Engineer’s approval of such methods and devices to be used for dewatering activities, including, but not limited to, pumping the water into a temporary sedimentation bowl, providing surge protection at the inlet and outlet of pumps, or floating the intake of the pump, or other methods to minimize and retain the suspended solids. If the Engineer determines that the pumping operation is causing turbidity problems, said operation shall cease until such time as a means of controlling turbidity is submitted by the Contractor, approved by the Engineer and implemented by the Contractor.

9. Work within or adjacent to watercourses shall be conducted during periods of low flow, whenever possible. The Engineer shall remain aware of flow conditions during the conduct of such work, and shall cause such activity to cease should flow conditions threaten to cause excessive erosion, siltation or turbidity. The Contractor shall make every effort to secure the work site before predicted major storms. A major storm shall be defined as a storm predicted by NOAA Weather Service with warnings of flooding, severe thunderstorms, or similarly severe weather conditions or effects.

10. All temporary fill shall be stabilized during use to prevent erosion and shall be suitably contained to prevent sediment or other particulate matter from reentering a wetland or watercourse. All areas affected by temporary fills must be restored to their original contours or as directed by the Engineer, and revegetated. The areal extent of temporary fill or excavation shall be confined to that area necessary to perform the work, as approved by the Engineer.

11. Seeding is to be accomplished within 7 days of the Contractor’s reaching an appropriate grading increment as determined by the Engineer. If the Engineer anticipates and notifies the Contractor, or if the Contractor intends, that a grading operation will be suspended for a period of 30 or more consecutive days, the Contractor shall, within the first 7 days of that suspension period, accomplish seeding, or take such other appropriate measures to stabilize the soil as may be required by the Engineer.

12. Dumping of oil, chemicals or other deleterious materials on the ground is forbidden. The Contractor shall provide a means of catching, retaining, and properly disposing of drained oil, removed oil filters, or other deleterious material. All spills of such materials shall be reported immediately by the Contractor to the DEP.

13. No application of herbicides or pesticides within 8 m of any wetland or watercourse will be allowed. All such applications must be done by a Connecticut licensed applicator. The Contractor shall submit to the Engineer the proposed applicator’s name and license number, and must receive the Engineer’s approval of the proposed applicator, before such application is carried out.
14. During spawning seasons, as defined in the Contract, discharges and construction activities in spawning areas of State Waters shall be restricted so as not to disturb or inhibit aquatic species which are indigenous to the waters.

If the Contractor wants to make changes in construction operations or scheduling which would affect the use of or necessity for any pollution controls, before beginning to implement those changes it must submit a written proposal detailing them to the Engineer, and must receive the Engineer’s approval of those changes. As part of its submission the Contractor must submit a plan showing what erosion and sedimentation controls above and beyond those called for in the plans and specifications would be necessitated by the changes it proposes to make in the sequence or nature of Project construction activities and related operations.

The Contractor shall inspect temporary and permanent erosion and sedimentation controls immediately after each rainfall and at least daily during prolonged rainfall. The Contractor shall maintain all erosion and sedimentation control devices in a functional condition in accordance with the document “Connecticut Guidelines for Soil Erosion and Sediment Control,” as revised, and the Department’s document “On Site Mitigation for Construction Activities,” as revised. In the event the Contractor fails to maintain such devices in accordance with such documents, and the Contractor does not correct those failures within 24 hours after receipt of written notice of such failures from the Engineer, the Department may proceed with its own or other forces to remedy specified failure and the cost thereof will be deducted from monies due the Contractor under the Contract or under any other State contract.

D. Air Quality Control
The Contractor shall exercise every reasonable precaution throughout the life of the Contract to safeguard the air resources of the State by controlling or abating air pollution in accordance with the DEP’s regulations. These measures shall include the control and abatement of dust, mist, smoke, vapor, gas, aerosol, other particulate matter, odorous substances or any combination thereof arising from construction operations, hauling, storage or manufacture of materials.

E. Noise Pollution
The Contractor shall take measures to control the noise intensity caused by his construction operations and equipment, including but not limited to equipment used for drilling, pile driving, blasting, excavation or hauling.

All methods and devices employed to minimize noise shall be subject to the continuing approval of the Engineer. The maximum allowable level of noise at the nearest residence or occupied building shall be 90 decibels on the “A” weighted scale (dBA). Any operation that exceeds this standard will cease until a different construction methodology is developed to allow the work to proceed within the 90 dBA limit.

F. Contaminated and/or Hazardous Material
The Town will acquire any “Hazardous Waste Generator Permit(s)” required under the Resource Conservation and Recovery Act, for the management and disposal of all contaminated and/or hazardous material known to exist or discovered during construction operations, provided that:

1. such material is within the construction limits defined in the Contract, and;
2. such material is not comprised of waste materials generated by the Contractor.

If the Town has defined an area of known or suspected contamination within the Project limits, and if contaminated material in that area has not been removed prior to the start of the Project, the disposition of such material shall be arranged for with an appropriate party.

In the event that the Contractor encounters or exposes any material, not previously known or suspected to be contaminated, but which exhibits abnormal properties which may indicate the presence of hazardous or contaminated material, the Contractor shall cease all operations in the vicinity of the abnormal condition, and the Engineer shall be notified immediately. The presence of barrels, discolored earth, metal, wood, visible fumes or smoke, abnormal odors or excessively hot earth may indicate the presence of hazardous or contaminated material, and shall be treated with extreme caution. The proper disposition of the material shall be arranged for with an appropriate party.

Unless otherwise provided for under a specific Contract item, direct Contractor involvement with hazardous or contaminated materials, other than those associated with Contract operations, is neither required nor solicited under this Contract.

When the Contractor performs support work incidental to the removal, treatment or disposal of hazardous or contaminated material, payment will be made at the unit prices for applicable pay items in the Contract. When the Contract does not include appropriate pay items, payment will be made in accordance with the section titled EXTRA WORK.

The Contractor shall faithfully observe all security precautions established pursuant to OSHA 239 CFR 1919.120, including all revisions and amendments, and shall not work in any area known to contain or suspected of containing hazardous or contaminated material without prior written approval of the Engineer.

The Contractor will assume sole responsibility for the proper storage, handling, management and disposal of all regulated materials and wastes associated with the Contractor’s operations, including but not limited to; lubricants, antifreeze, engine fluids, paints, and solvents. All costs associated with the Contractor’s failure to properly manage such materials in accordance with federal and state regulations, and all remedial and punitive costs incurred by the Town as a result of such failure will be borne by the Contractor.

Excluded from the requirements under this article are coatings removed by the Contractor for the purpose of painting structural steel or other steel elements. The debris resulting from paint removal shall be tested by the Town to determine whether or not it is contaminated or hazardous material.
Once so tested, these materials shall be removed from the site and disposed of by the Contractor in accordance with applicable special provisions.
Sedimentation and Erosion Control
The sedimentation and erosion controls shall be installed in accordance with the publication entitled “Guidelines for Soil Erosion and Sediment Control”, by the Connecticut Council on Soil and Water Conservation, January 2002. No work shall be started until the erosion and sediment controls are installed.

Contractor shall install all erosion and sediment control measures as shown and “noted” on the plan and as described in Section 02-920 of these specifications.

It is the Contractor’s responsibility to install any additional sedimentation and erosion control, as ordered by the Engineer or as required by site conditions. It is the Contractor’s responsibility for the adequate installation, operation and maintenance of sedimentation and erosion controls.

Work Near Brook(s) and Stream(s)
Care shall be taken to prevent or reduce to a minimum any damage to any water body from pollution by debris, sedimentation or other material, or from manipulation of equipment and/or materials near such water bodies and on abutting property. Particular care shall be taken to prevent gasoline, diesel fuel, and other oils from entering any water body.

Soil and Groundwater Conditions
The Owner assumes no responsibility whatsoever with respect to ascertaining for the Contractor such facts concerning physical characteristics at the site of the project. The Contractor agrees that he will make no claim for and has no right to additional payment or extension of time for completion of the work, or any other concession because of any interpretations or misunderstanding on his part of this Contract or because of any failure on his part to fully acquaint himself with all conditions relating to the work.

General Sanitary Requirements
The Contractor shall provide proper sanitary accommodations at a convenient place on or near the work site. They shall be cleaned daily and shall be adequately serviced.

The Contractor shall maintain a safe drinking water supply readily available to all workers.

Water Supply and Electrical Energy
The Contractor shall make his own arrangements for obtaining the electrical energy and water supply necessary for construction purposes at no additional cost to the Owner.

Explosives and Blasting
Explosives shall be stored, handled, and used in accordance with the laws, ordinance and regulations of the State of Connecticut, all local regulations and with such additional regulations as the Engineer may require. Blasting shall be conducted so as not to endanger persons or property and, unless otherwise permitted, shall be covered or otherwise satisfactorily confined. The Contractor shall be
responsible for and shall make good any damage of whatever nature caused by blasting or accidental explosions.

**Sheeting, Shoring and Bracing**

Where necessary the sides of trenches and excavations shall be supported by adequate sheeting, shoring and bracing. The Contractor shall be held accountable and responsible for the sufficiency of all sheeting, shoring and bracing used and for all damage to persons or property resulting from the improper quality, strength, placing, maintaining, or removing of the same. Where sheeting is removed care shall be taken not to disturb the new work or existing utilities and structures.

No sheeting is to be left in place unless expressly permitted by the Engineer. No direct payment will be made for sheeting, shoring and bracing and compensation for such work and all expenses incidental thereto shall be considered as included in the unit prices bid for the various items of this Contract.

**Existing Structures**

All known surface and underground structures, except electric and telephone service connections and water, gas and sewer service pipes, on or immediately adjacent to the work are shown on the Plans. Sewer, drainage, water and gas pipes, manholes and similar structures, located in or adjacent to the location of the structures included in this Contract, are shown on the Contract Drawings. This information is shown for the convenience of the Contractor in accordance with the best information available, but is not guaranteed to be correct or complete. The Contractor shall explore the route ahead of trenching and shall uncover all known obstructing pipes sufficiently to determine their location. Necessary changes in location may be made by the Engineer to avoid unanticipated obstructions.

Wherever water or gas mains, electric or telephone ducts or electric or telephone poles are encountered and may be in any way interfered with; the Contractor shall keep the utility company involved fully informed in advance. The Contractor shall cooperate with the utility company in the protection, removal, relocation and replacement of such structures.

The Contractor shall, at his own expense, sustain in their places and protect from direct or indirect injury, all utilities, pipes, poles, conduits, walls, buildings, and other structures and property in the vicinity of his work. Such sustaining and protecting shall be done carefully by the Contractor and as required by the party owning or controlling the facility. Before proceeding with such work, the Contractor shall satisfy the Engineer that the methods and procedures to be used have been approved by the party owning said structure. There shall be no additional compensation for this work and all expenses incidental thereto shall be considered as in the unit price bid for the various items of this Contract.
The Contractor shall take all risks attending the presence or proximity of pipes, poles, conduits, walls, buildings, wires or other structures, utilities and property in the vicinity of his work, and he shall be responsible for all damage and assume all expense for direct or indirect injury caused by his work to any of them or to any person or property by reason of injury to them.

Guard rails, posts, guard cables, signs, poles, markers, mailboxes, fences, walls and stone walls, and other private improvements, which are temporarily removed, damaged or destroyed to facilitate installation of the sewer, shall be replaced and restored to a condition as good as or better than existed and to the satisfaction of the Owner or Engineer.

The Contractor shall, at his own expense, retain the services of a licensed surveyor to replace property markers, on or adjacent to privately owned property, which may have been disturbed during the course of construction.

**Marking New Underground Plant**
All new underground plant shall be marked with warning tape in accordance with State of Connecticut Public Act 16-345 and DPUC Regulations.

**Operation of Water Valves**
Unless otherwise permitted, existing water valves shall not be operated by the Contractor. Whenever the operation of a water valve is necessary, the Contractor shall make arrangements, at least 24 hours in advance of need, to have the Owner's forces perform the required operations. Contractor must prepare and distribute customer notices to all affected customers at least 24 hours prior to any shutdown of service.

**Testing Laboratories**
The Contractor shall provide, at no additional cost to the Owner, the services of approved testing laboratories to take samples of materials and perform tests as required under this Contract or as ordered by the Engineer. Payment for these services shall be included under the applicable items of the Contract, unless otherwise specified.
PLEASE

IT IS A REQUIREMENT OF THIS BID THAT EACH PROPOSAL SUBMITTED MUST HAVE A DUPLICATE COPY ATTACHED.

YOUR COOPERATION IS APPRECIATED
THIS IS A PUBLIC WORKS PROJECT

Covered by the

PREVAILING WAGE LAW

CT General Statutes Section 31-53

If you have QUESTIONS regarding your wages
CALL (860) 263-6790

Section 31-55 of the CT State Statutes requires every contractor or subcontractor performing work for the state to post in a prominent place the prevailing wages as determined by the Labor Commissioner.
Project: Veterans Park Improvements

Minimum Rates and Classifications
for Heavy/Highway Construction

Connecticut Department of Labor
Wage and Workplace Standards Division

ID#: H 19207

By virtue of the authority vested in the Labor Commissioner under provisions of Section 31-53 of the General Statutes of Connecticut, as amended, the following are declared to be the prevailing rates and welfare payments and will apply only where the contract is advertised for bid within 20 days of the date on which the rates are established. Any contractor or subcontractor not obligated by agreement to pay to the welfare and pension fund shall pay this amount to each employee as part of his/her hourly wages.

Project Number: 
FAP Number: 
Project Town: Watertown
State Number: 
Project: Veterans Park Improvements

<table>
<thead>
<tr>
<th>CLASSIFICATION</th>
<th>Hourly Rate</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>01) Asbestos/Toxic Waste Removal Laborers: Asbestos removal and encapsulation (except its removal from mechanical systems which are not to be scrapped), toxic waste removers, blasters. <strong>See Laborers Group 5 and 7</strong></td>
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</tr>
<tr>
<td>1) Boilermaker</td>
<td>33.79</td>
<td>34% + 8.96</td>
</tr>
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</tr>
<tr>
<td>1a) Bricklayer, Cement Masons, Cement Finishers, Plasterers, Stone Masons</td>
<td>32.50</td>
<td>27.06</td>
</tr>
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<td></td>
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</tr>
<tr>
<td>2) Carpenters, Piledrivermen</td>
<td>30.45</td>
<td>21.65</td>
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As of: Thursday, May 15, 2014
<table>
<thead>
<tr>
<th>Project: Veterans Park Improvements</th>
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<tbody>
<tr>
<td>2a) Diver Tenders</td>
</tr>
<tr>
<td>3) Divers</td>
</tr>
<tr>
<td>4) Painters: (Bridge Construction) Brush, Roller, Blasting (Sand, Water, etc.), Spray</td>
</tr>
<tr>
<td>4a) Painters: Brush and Roller</td>
</tr>
<tr>
<td>4d) Painters: Blast and Spray</td>
</tr>
<tr>
<td>4e) Painters: Tanks, Tower and Swing</td>
</tr>
<tr>
<td>5) Electrician (Trade License required: E-1,2  L-5,6  C-5,6  T-1,2  L-1,2  V-1,2,7,8,9)</td>
</tr>
</tbody>
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*As of:* Thursday, May 15, 2014
Project: Veterans Park Improvements

6) Ironworkers: Ornamental, Reinforcing, Structural, and Precast Concrete Erection  

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7) Plumbers (Trade License required: (P-1,2,6,7,8,9 J-1,2,3,4 SP-1,2) and Pipefitters (Including HVAC Work) (Trade License required: S-1,2,3,4,5,6,7,8 B-1,2,3,4 D-1,2,3,4 G-1, G-2, G-8, G-9)  

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---LABORERS---

8) Group 1: Laborer (Unskilled), Common or General, acetylene burner, concrete specialist  

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9) Group 2: Chain saw operators, fence and guard rail erectors, pneumatic tool operators, powdermen, air tool operator  

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10) Group 3: Pipelayers  

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11) Group 4: Jackhammer/Pavement breaker (handheld); mason tenders (cement/concrete), catch basin builders, asphalt rakers, air track operators, block pavers and curb setters  

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As of: Thursday, May 15, 2014
<table>
<thead>
<tr>
<th>Group</th>
<th>Rate 1</th>
<th>Rate 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>12) Group 5: Toxic waste removal (non-mechanical systems)</td>
<td>29.05</td>
<td>17.80</td>
</tr>
<tr>
<td>13) Group 6: Blasters</td>
<td>28.80</td>
<td>17.80</td>
</tr>
<tr>
<td>Group 7: Asbestos Removal, non-mechanical systems (does not include leaded joint pipe)</td>
<td>28.05</td>
<td>17.80</td>
</tr>
<tr>
<td>Group 8: Traffic control signalmen</td>
<td>16.00</td>
<td>17.80</td>
</tr>
</tbody>
</table>

---LABORERS (TUNNEL CONSTRUCTION, FREE AIR). Shield Drive and Liner Plate Tunnels in Free Air.----

<table>
<thead>
<tr>
<th>Group</th>
<th>Rate 1</th>
<th>Rate 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>13a) Miners, Motormen, Mucking Machine Operators, Nozzle Men, Grout Men, Shaft &amp; Tunnel Steel &amp; Rodmen, Shield &amp; Erector, Arm Operator, Cable Tenders</td>
<td>31.28</td>
<td>17.80 + a</td>
</tr>
<tr>
<td>13b) Brakemen, Trackmen</td>
<td>30.37</td>
<td>17.80 + a</td>
</tr>
</tbody>
</table>

As of: Thursday, May 15, 2014
Project: Veterans Park Improvements

---CLEANING, CONCRETE AND CAULKING TUNNEL---

| 14) | Concrete Workers, Form Movers, and Strippers | 30.37 | 17.80 + a |

| 15) Form Erectors | 30.68 | 17.80 + a |

---ROCK SHAFT LINING, CONCRETE, LINING OF SAME AND TUNNEL IN FREE AIR:---

| 16) Brakemen, Trackmen, Tunnel Laborers, Shaft Laborers | 30.37 | 17.80 + a |

| 17) Laborers Topside, Cage Tenders, Bellman | 30.26 | 17.80 + a |

| 18) Miners | 31.28 | 17.80 + a |

_As of:_ Thursday, May 15, 2014
Project: Veterans Park Improvements

---TUNNELS, CAISSON AND CYLINDER WORK IN COMPRESSED AIR: ---

<table>
<thead>
<tr>
<th>18a) Blaster</th>
<th>37.41</th>
<th>17.80 + a</th>
</tr>
</thead>
<tbody>
<tr>
<td>19) Brakemen, Trackmen, Groutman, Laborers, Outside Lock Tender, Gauge Tenders</td>
<td>37.22</td>
<td>17.80 + a</td>
</tr>
<tr>
<td>20) Change House Attendants, Powder Watchmen, Top on Iron Bolts</td>
<td>35.35</td>
<td>17.80 + a</td>
</tr>
<tr>
<td>21) Mucking Machine Operator</td>
<td>37.97</td>
<td>17.80 + a</td>
</tr>
</tbody>
</table>

---TRUCK DRIVERS---(*see note below)

| Two axle trucks | 27.88 | 18.27 + a |

As of: Thursday, May 15, 2014
### Project: Veterans Park Improvements

<table>
<thead>
<tr>
<th>Description</th>
<th>Rate 1</th>
<th>Rate 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Three axle trucks; two axle ready mix</td>
<td>27.98</td>
<td>18.27 +</td>
</tr>
<tr>
<td>Three axle ready mix</td>
<td>28.03</td>
<td>18.27 +</td>
</tr>
<tr>
<td>Four axle trucks, heavy duty trailer (up to 40 tons)</td>
<td>28.08</td>
<td>18.27 +</td>
</tr>
<tr>
<td>Four axle ready-mix</td>
<td>28.13</td>
<td>18.27 +</td>
</tr>
<tr>
<td>Heavy duty trailer (40 tons and over)</td>
<td>28.33</td>
<td>18.27 +</td>
</tr>
<tr>
<td>Specialized earth moving equipment other than conventional type on-the road trucks and semi-trailer (including Euclids)</td>
<td>28.13</td>
<td>18.27 +</td>
</tr>
</tbody>
</table>

---POWER EQUIPMENT OPERATORS---

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**As of:** Thursday, May 15, 2014
Project: Veterans Park Improvements

Group 1: Crane handling or erecting structural steel or stone, hoisting engineer (2 drums or over), front end loader (7 cubic yards or over), Work Boat 26 ft. & Over. (Trade License Required) 36.05 21.55 + a

Group 2: Cranes (100 ton rate capacity and over); Backhoe/Excavator over 2 cubic yards; Piledriver ($3.00 premium when operator controls hammer). (Trade License Required) 35.73 21.55 + a

Group 3: Excavator/Backhoe under 2 cubic yards; Cranes (under 100 ton rated capacity), Gradall; Master Mechanic; Hoisting Engineer (all types of equipment where a drum and cable are used to hoist or drag material regardless of motive power of operation), Rubber Tire Excavator (Drott-1085 or similar); Grader Operator; Bulldozer Fine Grade (slopes, shaping, laser or GPS, etc.). (Trade License Required) 34.99 21.55 + a

Group 4: Trenching Machines; Lighter Derrick; Concrete Finishing Machine; CMI Machine or Similar; Koehring Loader (Skooper) 34.60 21.55 + a

Group 5: Specialty Railroad Equipment; Asphalt Paver; Asphalt Spreader; Asphalt Reclaiming Machine; Line Grinder; Concrete Pumps; Drills with Self Contained Power Units; Boring Machine; Post Hole Digger; Auger; Pounder; Well Digger; Milling Machine (over 24" Mandrell) 34.01 21.55 + a

Group 5 continued: Side Boom; Combination Hoe and Loader; Directional Driller. 34.01 21.55 + a

Group 6: Front End Loader (3 up to 7 cubic yards); Bulldozer (rough grade dozer). 33.70 21.55 + a

As of: Thursday, May 15, 2014
Project: Veterans Park Improvements

Group 7: Asphalt Roller; Concrete Saws and Cutters (ride on types); Vermeer Concrete Cutter; Stump Grinder; Scraper; Snooper; Skidder; Milling Machine (24" and Under Mandrel).

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
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<tbody>
<tr>
<td>33.36</td>
<td>21.55 + a</td>
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</table>

Group 8: Mechanic, Grease Truck Operator, Hydroblaster, Barrier Mover, Power Stone Spreader; Welder; Work Boat under 26 ft.; Transfer Machine.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
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<tbody>
<tr>
<td>32.96</td>
<td>21.55 + a</td>
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</tbody>
</table>

Group 9: Front End Loader (under 3 cubic yards), Skid Steer Loader regardless of attachments (Bobcat or Similar); Fork Lift, Power Chipper; Landscape Equipment (including hydroseder).

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>32.53</td>
<td>21.55 + a</td>
</tr>
</tbody>
</table>

Group 10: Vibratory Hammer, Ice Machine, Diesel and Air Hammer, etc.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.49</td>
<td>21.55 + a</td>
</tr>
</tbody>
</table>

Group 11: Conveyor, Earth Roller; Power Pavement Breaker (whiphammer), Robot Demolition Equipment.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.49</td>
<td>21.55 + a</td>
</tr>
</tbody>
</table>

Group 12: Wellpoint Operator.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
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</thead>
<tbody>
<tr>
<td>30.43</td>
<td>21.55 + a</td>
</tr>
</tbody>
</table>

Group 13: Compressor Battery Operator.

<table>
<thead>
<tr>
<th>Hours</th>
<th>Rate</th>
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<tbody>
<tr>
<td>29.85</td>
<td>21.55 + a</td>
</tr>
</tbody>
</table>

As of: Thursday, May 15, 2014
Project: Veterans Park Improvements

Group 14: Elevator Operator; Tow Motor Operator (Solid Tire No Rough Terrain).

Group 15: Generator Operator; Compressor Operator; Pump Operator; Welding Machine Operator; Heater Operator.

Group 16: Maintenance Engineer/Oiler

Group 17: Portable asphalt plant operator; portable crusher plant operator; portable concrete plant operator.

Group 18: Power Safety Boat; Vacuum Truck; Zim Mixer; Sweeper; (minimum for any job requiring CDL license).

**NOTE: SEE BELOW

---LINE CONSTRUCTION---(Railroad Construction and Maintenance)---

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<table>
<thead>
<tr>
<th>Project: Veterans Park Improvements</th>
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</thead>
<tbody>
<tr>
<td>20) Lineman, Cable Splicer, Technician</td>
</tr>
<tr>
<td>21) Heavy Equipment Operator</td>
</tr>
<tr>
<td>22) Equipment Operator, Tractor Trailer Driver, Material Men</td>
</tr>
<tr>
<td>23) Driver Groundmen</td>
</tr>
</tbody>
</table>

---LINE CONSTRUCTION---

| 24) Driver Groundmen | 30.92 | 6.5% + 9.70 |
| 25) Groundmen | 22.67 | 6.5% + 6.20 |

As of: Thursday, May 15, 2014
<table>
<thead>
<tr>
<th>Project: Veterans Park Improvements</th>
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</thead>
<tbody>
<tr>
<td>27) Linemen, Cable Splicers, Dynamite Men</td>
<td>41.22</td>
</tr>
<tr>
<td>28) Material Men, Tractor Trailer Drivers, Equipment Operators</td>
<td>35.04</td>
</tr>
</tbody>
</table>

As of: Thursday, May 15, 2014
Project: Veterans Park Improvements

*Welders: Rate for craft to which welding is incidental.*

*Note: Hazardous waste removal work receives additional $1.25 per hour for truck drivers.*

**Note: Hazardous waste premium $3.00 per hour over classified rate**

- Crane with 150 ft. boom (including jib) - $1.50 extra
- Crane with 200 ft. boom (including jib) - $2.50 extra
- Crane with 250 ft. boom (including jib) - $5.00 extra
- Crane with 300 ft. boom (including jib) - $7.00 extra
- Crane with 400 ft. boom (including jib) - $10.00 extra

All classifications that indicate a percentage of the fringe benefits must be calculated at the percentage rate times the "base hourly rate".

Apprentices duly registered under the Commissioner of Labor's regulations on "Work Training Standards for Apprenticeship and Training Programs" Section 31-51-d-1 to 12, are allowed to be paid the appropriate percentage of the prevailing journeymen hourly base and the full fringe benefit rate, providing the work site ratio shall not be less than one full-time journeyperson instructing and supervising the work of each apprentice in a specific trade.

---Connecticut General Statute Section 31-55a: Annual Adjustments to wage rates by contractors doing state work---

The Prevailing wage rates applicable to this project are subject to annual adjustments each July 1st for the duration of the project.

Each contractor shall pay the annual adjusted prevailing wage rate that is in effect each July 1st, as posted by the Department of Labor.

It is the contractor's responsibility to obtain the annual adjusted prevailing wage rate increases directly from the Department of Labor's website.

The annual adjustments will be posted on the Department of Labor's Web page: www.ct.gov/dol.

The Department of Labor will continue to issue the initial prevailing wage rate schedule to the Contracting Agency for the project.

All subsequent annual adjustments will be posted on our Web Site for contractor access.

Contracting Agencies are under no obligation pursuant to State labor law to pay any increase due to the annual adjustment provision.

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As of: Thursday, May 15, 2014
Project: Veterans Park Improvements

Effective October 1, 2005 - Public Act 05-50: any person performing the work of any mechanic, laborer, or worker shall be paid prevailing wage

All Person who perform work ON SITE must be paid prevailing wage for the appropriate mechanic, laborer, or worker classification.

All certified payrolls must list the hours worked and wages paid to All Persons who perform work ON SITE regardless of their ownership i.e.: (Owners, Corporate Officers, LLC Members, Independent Contractors, et. al)

Reporting and payment of wages is required regardless of any contractual relationship alleged to exist between the contractor and such person.

~~Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clause (29 CFR 5.5 (a) (1) (ii)).

Please direct any questions which you may have pertaining to classification of work and payment of prevailing wages to the Wage and Workplace Standards Division, telephone (860)263-6790.

As of: Thursday, May 15, 2014
Sent by certified mail

November 19, 2013

Roy Cavanaugh, Director
Department of Public Works
61 Echo Lake Road
Watertown Connecticut 06795

Dear Mr. Cavanaugh:

The Conservation Commission/Inland Wetland Agency of the Town of Watertown at a regular meeting held on October 10, 2013 voted to approve application #877 subject to conditions to conduct regulated activities associated with the reconstruction of existing roads and construction of a new parking lot within upland review area at Veterans Memorial Park, 570 Nova Scotia Hill Road, Watertown, CT.

Legal Notice of Approval appeared in the Town Times on October 17, 2013. Your permit is enclosed. Please feel free to contact this office if you have any questions concerning this permit.

Sincerely,

[Signature]
Moosa M. Rafey
Wetlands Enforcement Officer

CC: Lisa Carew
This approval permit refers to your application to conduct regulated activities in the Town of Watertown.

The Conservation Commission/Inland Wetland Agency of the Town of Watertown has considered application #877 with due regard for the matters listed in Section 10 of the Inland Wetlands and Watercourses Regulations of the Town of Watertown. The Commission has found that the proposed activities as shown on a site plan entitled “Veterans Park Improvements Site Plan Veterans Memorial Park Pavement Rehabilitation and General Improvements Sheet 1 dated 8-21-2013 prepared by Town of Watertown Department of Public Works Division of Engineering” as specified and conditioned below conform to the purpose and provision of said section.

The regulated activities consist of the following:

1. Disturbance of approximately 60,984 Sq. Ft (1.4 acre) upland review area for reconstruction of an existing paved road, new sidewalk, new parking lot and associated driveway, and a boardwalk.

2. Installation of erosion and sediment control measures within regulated areas.

The permit is issued subject to the following conditions and/or modifications:

1. The permittee shall notify Wetlands Enforcement Officer, in writing at least three business days prior to the commencement of work onsite and upon its completion.

2. If the approved activities are not initiated on or before October 17, 2018, said activities shall cease and, if not previously revoked or specifically renewed or extended, this permit shall be null and void. Any request to renew or extend the expiration date of a permit should be filed in accordance with Section 11 of the Inland Wetlands and Watercourses Regulations of the Town of Watertown. Expired permits may not be renewed and the wetland agency may require a new application for regulated activities.
3. All work and all regulated activities conducted pursuant to this approval shall be consistent with the terms and conditions of this permit. Any structures, excavation, fill, obstructions, encroachment, or regulated activities not specifically identified and approved herein shall constitute a violation of this permit and may result in its modification, suspension, or revocation.

4. This permit is not transferable without the written consent of the Conservation Commission/Inland Wetland Agency.

5. In evaluating this application, the wetland agency has relied on information provided by the applicant. The Agency has also relied on the State Department of Environmental Protection and Department of Transportation review of the project plans. If such information is subsequently proved to be false, incomplete, or misleading, this permit may be modified, suspended, or revoked and the permittee may be subject to any other remedies or penalties provided by law.

6. No equipment or material including without limitation fill, construction materials, or debris, shall be deposited, placed or stored in any wetland or watercourse and upland review area on or off site unless specifically approved by this permit.

7. This permit is subject to and does not derogate any rights or powers of the Town of Watertown, conveys no property rights or exclusive privileges, and is subject to all public and private rights and to all applicable federal, state and local laws. In conducting and maintaining any activities approved herein, the permittee may not cause pollution, impairment, or destruction of the inland wetlands and watercourses of the Town of Watertown.

8. If the activity approved by the inland wetlands permit also involves activity or a project that requires State DEEP, zoning approval, special permit, variance, or special exception, no work pursuant to the wetlands permit may begin until such approval is obtained.

9. The permittee shall install and maintain erosion and sediment control measures at the site in such an operable condition as to prevent the pollution of wetlands and watercourses. Said controls are to be inspected by the permittee for deficiencies at least once per week and immediately after rains. The permittee shall correct any such deficiencies within 24 hours of said deficiency being found.

10. Reduce pavement width of the existing road from 20 foot to 14 foot and add 5 foot wide grass shoulder and install 5 foot wide asphalt side walk along the roadway.

11. Porous concrete shall be used for the surface of the new parking lot to eliminate the need for construction of a detention pond within upland review area.
12. Wetland Enforcement Officer is authorized to approve minor changes to the plan during construction if such changes are required due to the site condition.

This authorization constitutes the permit required by Section 22a-42 of the Connecticut General Statute, as amended.
PROJECT SIGN – DEPARTMENT OF ENERGY AND ENVIRONMENTAL PROTECTION

8'-0"

Veterans Memorial Park
Improvements

Town of Watertown

Constructed in cooperation with the

STATE OF CONNECTICUT
DANIEL P. MALLOY, GOVERNOR

Department of Energy and Environmental Protection

Rob Klee, Commissioner

and the

Town of Watertown
Charles A. Frigon Town Manager

Watertown Engineering Name of General Contractor

SIGN PANEL: 3/4" MDO-EXT-APA PLYWOOD SUPPORTED WITH (2) 4X4 TREATED WOOD COLUMNS AND SECURED 4' INTO GRADE. TOP OF SIGN AT 8'-0" ABOVE GRADE.

COLORS: ALL LETTERS AND SYMBOLS ARE TO BE ROYAL BLUE. THE BACKGROUND WILL BE WHITE ENAMEL. BACK OF PLYWOOD AND SUPPORT STRUCTURE SHALL BE PAINTED MATTE BLACK.

TYPEFACE: HELVETICA MEDIUM

LOCATION: SIGN MUST BE LOCATED TO BE CLEARLY VISIBLE TO THE PUBLIC.

TIMING: INSTALL AT THE START OF CONSTRUCTION AND REMOVE AT CONSTRUCTION COMPLETION.
STATE SEAL & DEEP LOGO: ATTACHED

STATE SEAL

DEEP LOGO
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

TECHNICAL SPECIFICATIONS

Pavement Rehabilitation
Veterans Park
570 Nova Scotia Hill Road
Watertown Public Works Department

Bidders shall:
- Provide a list of equipment available for the project
- Provide a list of references for work performed over the last five years in the State of Connecticut

Project Description
This project consists of the milling of approximately 3,543 square yards of existing pavement, reclaiming of approximately 6,603 square yards of existing pavement, provision of approximately 1,426 tons of new Bituminous Concrete Class 1, bituminous concrete sidewalks, catch basins, bituminous concrete park curbing and incidental related work in Veterans Park, 570 Nova Scotia Hill Road in Watertown, Connecticut.

TECHNICAL SPECIFICATIONS
This project consists of pavement reclamation and restoration, drainage and incidental related work in accordance with the project plans and specifications. All work is to be performed in accordance with the State of Connecticut Department of Transportation "Standard Specifications for Roads, Bridges and Incidental Construction, Form 816", as supplemented and as amended below.

Trafficmen:
Uniformed Police Officers will not be required. The contractor is responsible for Maintenance and Protection of traffic. Park will be open during normal hours, except by special arrangement in advance, and accommodations must be made for public access.
TECHNICAL SPECIFICATIONS
CLEARING AND GRUBBING

Description:

The work under the item for “Clearing and Grubbing” consist of clearing the ground of trees, stumps, brush, rubbish and all objectionable material in accordance with the specifications or as directed by the Town. This work shall also include the preservation from injury or defacement of vegetation and objects designated to remain. All wood greater than three inches (3”) in diameter will be cut to four foot (4’) lengths and left stacked on owner’s property.

Construction Methods

The construction methods shall be in accordance with 2.01.03 of the Form 816, as amended. Trees, stumps, brush and other vegetative waste may be disposed of at the town of Watertown Transfer Station, located on Old Baird Road, at no charge to the Contractor, during normal Transfer Station business hours.

Method of Measurement

This work will not be measured for payment.

Basis of Payment

Payment for this work will be at the contract lump sum price for “Clearing and Grubbing,” which price shall include all equipment, tools, and labor incidental to the completion of this item. All costs incidental to the disposal of trees, stumps, etc., will be included in the price of “Clearing and Grubbing.”
TECHNICAL SPECIFICATIONS
MILLING OF BITUMINOUS PAVEMENT – (0 to 4 INCHES)

Description

This work shall consist of the milling, removal, and disposal of existing bituminous concrete pavement within the limits shown on the plans. It shall be performed in accordance with these specifications and in conformity with the line, grade, and cross-section as directed by the Town and in accordance with the plans.

Unless otherwise specified, the milled material shall remain the property of the Town and shall be deposited at a location within the Town as directed at the Transfer Station located on Old Baird Road at the contractors expense.

Milling Equipment:
The equipment for milling the pavement surface shall be designed and built for milling flexible pavements and shall have a minimum 6 foot cutting width. It shall be self-propelled with sufficient power, traction, and stability to maintain depth and slope and shall be capable of removing the existing bituminous concrete pavement to the line, grade and typical cross-section shown on the plans.

The milling machine shall be equipped with a built in automatic grade control system that can control the longitudinal profile and the transverse cross-slope to produce the specified results. The longitudinal controls shall be capable of operating from any longitudinal grade reference, including string line, ski (30 feet minimum), mobile string line (30 foot minimum), or matching shoe. The transverse controls shall have an automatic system for controlling cross-slope at a given rate.

The machine shall be capable of operating at a minimum speed of 10 feet per minute and be able to provide a 0 to 4 inch deep cut (minimum) in one pass. It shall be designed so that the operator can at all times observe the milling operation without leaving the control area of the machine.

The teeth on the revolving cutting drum must be continually maintained and shall be replaced as warranted to provide a uniform pavement texture.

The machine shall be equipped with an integral pickup and conveying device to immediately remove material being milled from the surface of the roadway and discharge the millings into a truck, all in one operation. The machine shall also be equipped with a means of effectively limiting the amount of dust escaping from the milling and removal operation in accordance with local, State, and Federal air pollution control laws and regulations.

When milling smaller areas or areas where it is impractical to use the above described equipment, the use of a smaller or lesser-equipped milling machine may be permitted when approved by the Town.
The Contractor shall provide spray assembly to control dust, a pick-up broom, a dual gutter broom, and a dirt hopper a sweeper equipped with a water tank. The sweeper shall be capable of removing millings and loose debris from the textured pavement. Other sweeping equipment may be provided in lieu of the sweeper when approved by the Town.

**Construction Methods**

The pavement surface shall be removed to the line, grade, and typical cross-section shown on the attached detail (typically 1" to 2").

The milled surface shall provide a satisfactory riding surface with a uniform textured appearance. The milled surface shall be free from gouges, excessive longitudinal grooves and ridges, oil film, and other imperfections that are a result of defective equipment, improper use of equipment, or poor workmanship. Any unsatisfactory surfaces produced are the responsibility of the Contractor and shall be corrected at the Contractor's expense and to the satisfaction of the Town.

When removing a bituminous concrete pavement from an underlying Portland cement concrete pavement, all of the bituminous concrete pavement shall be removed to the greatest extent practicable, leaving a uniform surface of Portland cement concrete, unless otherwise directed by the Town.

Unless otherwise specified, milling shall be done to improve rideability and/or cross-slope. The existing pavement shall be removed to the depth as directed by the Town in a manner that will restore the pavement surface to a uniform cross-section and longitudinal profile. The longitudinal profile of the milled surface shall be established by a string line, mobile string line, or mobile ski. The cross-slope of the milled surface shall be established by a second sensing device or by an automatic cross-slope control mechanism. The Contractor will be responsible for providing all grades necessary to remove the material to the proper line, grade, and typical cross-section. The Town may waive the requirement for automatic grade or slope controls where the situation warrants such action.

Protection shall be provided around existing catch basin inlets, manholes, utility valve boxes, and any similar structures. Any damage to such structures as a result of the milling operation is the Contractor's responsibility and shall be repaired at the Contractor's expense.

To prevent the infiltration of milled material into the storm sewer system the Contractor shall take special care to prevent the milled material from falling into the inlet opening or inlet grates. Any milled material that has fallen into inlet openings or inlet grates shall be removed at the Contractor's expense.
At all permanent limits of milling, a clean vertical face shall be established prior to paving. No vertical faces, transverse or longitudinal, shall be left exposed to traffic. If any vertical face is formed in an area exposed to traffic a temporary paved transition will be established. If a vertical face is not formed and the milling machine is used to temporarily transition the milled pavement surface to the existing pavement surface, the length of the temporary transition shall be as directed by the Town.

Prior to opening an area which has been milled to traffic, the pavement shall be thoroughly swept with a sweeper or other approved equipment to remove, to the greatest extent practicable, material which will become airborne under traffic. This operation shall be conducted in a manner so as to minimize the potential for creation of a traffic hazard and to comply with local, State, and Federal air pollution control laws and regulations. Any damage done to traffic as a result of milled material becoming airborne is the responsibility of the Contractor and shall be repaired at the Contractor's expense.

The milled surface will be tested with a 10-foot straightedge furnished by the Contractor. The variation of the top of rides from the testing edge of the straightedge, between any two ridge contact points, shall not exceed 3/8 inch. The variation of the top of any ridge from the bottom of the groove adjacent to that ridge shall not exceed 3/8 inch. Any point in the surface not meeting these requirements shall be corrected as directed by the Engineer at the Contractor's expense.

The Contractor may be waived of the straightedge surface requirements stated in the preceding paragraph in areas where a surface lamination between bituminous concrete layers or a surface lamination of bituminous concrete on Portland cement concrete causes a non-uniform texture to occur. This is subject to the approval of the Engineer.

**Method of Measurement**

This work will be measured for payment by the number of square yards of area from which the milling of asphalt has been completed and the work accepted. No area deductions will be made for minor unmilled areas such as catch basin inlets, manholes, utility boxes and any similar structures.

**Basis of Payment**

This work will be paid for at the contract unit price per square yard for "Milling of Bituminous Concrete, (0 to 4 inches)." This price shall include all equipment, tools, labor, and materials incidental thereto.

No additional payments will be made for multiple passes with the milling machine to remove the bituminous surface.

No separate payments will be made for cleaning the pavement prior to paving; maintenance and protection of traffic except for uniformed police officers providing protection and doing handwork removal of bituminous concrete around catch basin inlets,
manholes, utility valve boxes and any similar structures; repairing surface defects as a result of the Contractors negligence; providing protection to underground utilities from the vibration of the milling operation; removal of any temporary milled transition; removal and disposal of millings; furnishing a sweeper and sweeping after milling. The costs for these items shall be included in the contract unit price.
TECHNICAL SPECIFICATIONS
RECLAIMING OF BITUMINOUS PAVEMENT – (0 TO 12 INCHES)

Description

This work shall consist of the preparation of an asphalt stabilized base course composed of a mixture of existing hot mix asphalt and existing base material. It shall be performed in accordance with these specifications and conformity with the existing line, grade and cross section as directed by the Town on site. In general, the work shall consist of reclaiming approximately twelve (12) inches of existing bituminous concrete and base material, grading and compacting the reclaimed material to approximately the existing line and grade in preparation to placing new bituminous concrete. Existing bituminous concrete curb shall be removed and properly disposed of prior to reclaiming operation. It should be noted that in many areas the pavement width is being reduced and roadway base is to be graded accordingly.

Reclaimed material is to be graded and shaped for reduced roadway width in areas indicated or as directed by Town. Reclaimed material in areas not to be repaved is to be removed and reused for base material for sidewalks. In those areas not to be repaved, the topsoil excavated for new bituminous concrete sidewalk shall be screened and reused for grass shoulder. Unless otherwise specified, surplus reclaimed material shall remain the property of the contractor.

Reclamation/Grinding Equipment:

The equipment for pulverizing and reclaiming the pavement surface shall be designed and built for pulverizing flexible pavements and shall have a minimum 6 foot cutting width. It shall be self-propelled with sufficient power, traction and stability to maintain depth and slope and shall be capable of pulverizing and mixing the existing bituminous concrete pavement and base gravel to existing line, grade and typical cross-section on existing site.

The pulverizing reclamation machine shall be equipped with a built in automatic grade control system that can control the longitudinal profile and the transverse cross-slope to produce the specified results. The longitudinal controls shall be capable of operating from any longitudinal grade reference, including string line, ski (30 feet minimum), mobile string line (30 foot minimum), or matching shoe. The transverse controls shall have an automatic system for controlling cross-slope at a given rate.

The machine shall be capable of operating at a minimum speed of 10 feet per minute and be able to provide a 0 to 8 inch deep cut (minimum) in one pass. It shall be designed so that the operator can at all times observe the reclamation/grinding operation without leaving the control area of the machine.
The machine shall also be equipped with a means of effectively limiting the amount of dust escaping from the reclamation operation in accordance with local, State and Federal air pollution control laws and regulations.

When reclaiming smaller areas or areas where it is impractical to use the above described equipment, the use of a smaller or lesser-equipped reclamation machine may per permitted when approved by the Town.

The Contractor shall provide spray assembly to control dust, a pick-up broom, a dual gutter broom, and a dirt hopper a sweeper equipped with a water tank. The sweeper shall be capable of removing debris from the entrance road, Nova Scotia Hill Road and parking lot areas affected by the construction. Other sweeping equipment may be provided in lieu of the sweeper when approved by the Town.

**Construction Methods**

The pavement surface shall be reclaimed to the line, grade, and typical cross-section shown on the attached detail (approximately 2 - 3” compacted). After the material is reclaimed, it shall be graded and compacted at the line and grade specified. The reclaiming material shall be compacted with an approved roller to uniform density of not less than 95% of the maximum density in accordance with ASTM 1556 Method D.

The ground/reclaimed surface shall provide a satisfactory riding surface with a uniform textured appearance. The ground/reclaimed surface shall be free from gouges, excessive longitudinal grooves and ridges, oil film and other imperfections that are a result of defective equipment, improper use of equipment, or poor workmanship. Any unsatisfactory surfaces produced are the responsibility of the Contractor and shall be corrected at the Contractor’s expense.

To prevent the infiltration of ground material into the storm sewer system the contractor shall take specific care to prevent the pulverized material from falling into the inlet opening or inlet grates. Any ground material that has fallen in to inlet openings or inlet grates shall be removed at the Contractors expense.

At all permanent limits of reclamation, a clean vertical face shall be established prior to paving. No vertical faces, transverse or longitudinal, shall be left exposed to traffic. If any vertical face is formed in an area exposed to traffic a temporary paved transition will be established.

It should be noted that the excess reclaimed material from those areas of existing pavement that will not be repaved will be excavated and utilized for sidewalk base.

**Method of Measurement**

This work will be measured for payment by the number of square yards of area from which the pulverizing/reclamation of asphalt have been completed and the work
accepted. This includes area that will not be repaved. No area deductions will be made for minor unground/reclaimed areas such as catch basin inlets, manholes, utility boxes and any similar structures.

The removal of existing bituminous concrete curbing shall be measured by the number of linear feet of bituminous concrete curb removed and properly disposed of off-site. The excess reclaimed material to be removed and reused for sidewalk base shall not be measured separately for payment but shall be included in the unit price bid per square foot of sidewalk.

**Basis of Payment**

This work will be paid for at the contract unit price per square yard for “Reclamation of Bituminous Concrete”. This price shall include all equipment, tools, labor and materials incidental thereto.

The removal and disposal of bituminous concrete curbing shall be paid for at the contract unit price of for “Removal of Bituminous Concrete Curbing”, which price shall include all equipment, labor, tools and materials incidental thereto.

No additional payments will be made for multiple passes with the reclamation machine to reclaim the bituminous surface or for excavating reclaimed material for reuse as sidewalk base.

Contractor shall be responsible for repairing or replacing any manhole covers, rings, gates, valve covers, risers or other underground utility structures damaged or destroyed by the Contractor that were marked out or clearly visible at the surface prior to grinding.
TECHNICAL SPECIFICATIONS
BITUMINOUS CONCRETE IN PLACE

Description

This item shall consist of providing and installing bituminous concrete pavement in place on the roadway and driveways. All work performed under this item shall be in accordance with the State of Connecticut Department of Transportation “Standard Specifications for Roads, Bridges and Incidental Construction”, Form 816 as amended. It is expressly stated that the specific references to the Form 816 is for the technical requirements stated therein and that this project is not an 816 project nor are all of the other terms of the Form 816 applicable. Base course shall be reclaimed aggregate from the pavement reclamation.

Mobilization and demobilization, tack coat, construction survey and in place density testing shall be included in the unit price bid and shall not be considered or paid as a separate item.

The area is to be repaved within five days after the reclamation is complete. All contact surfaces of curbing, manholes, etc. shall have a thin uniform coat of tack coat applied at a rate of 20 square yards per gallon prior to paving. The speed humps shall be installed immediately after the top course of bituminous concrete pavement and the pavement markings or striping within seven days thereafter.

The unit price bids shall be for Class 1 bituminous concrete delivered and complete in place to the satisfaction of the Director of Public Works or Town Engineer. Asphalt escalation costs shall be included in the unit price bid and shall not be considered or paid as a separate item.

The estimated quantity of bituminous concrete for the entire project is 1425 tons +/-.

The quantity shown above is to be considered as approximate only. The town reserves the right to increase or decrease the amount of the work as may be deemed necessary or permitted due to budgetary restrictions.

Bidder must be able to meet the following equipment specifications:

Paving Equipment:
Paving equipment shall be of the self-powered type with an adapter to provide guidance of the screeding action. The screed or strike off member shall be adjustable to the shape of the screeding action. The screed or strike off member shall be adjustable to the shape of the cross section of the finished pavement. Some method shall be provided for the tilting of the screed while in operation to secure the proper “drag” and to provide for compressive screeded surface requirements. The machine shall have a sufficient number of driving wheels so there will be no undue amount of slippage. Whenever the design of the equipment and plan of operation are such that the driving wheels travel on the
finished surface of a completed pavement, said wheels shall be equipped with rubber tires or other means to protect the finished surface. Screeding members shall be preheated and means shall be provided for heating and screeding members by some method that will prevent accumulation of bituminous material. Extendable paver screeds must be of the vibratory type when used.

Compaction:
After placing, each course shall be thoroughly compacted to a minimum of 92% and maximum of 97% of density as determined by AASHTOT209 (modified).

Testing:
Contractor shall provide an independent material testing company equipped with a calibrated nuclear density gage to obtain at least six (6) satisfactory compaction tests per lift.

Non-Vibratory Rollers:
In general, rolling shall consist of breakdown rolling and finish rolling. Rolling shall be performed with at least two (2) power-driven steel-wheel tandem or 3-wheel rollers weighing not less than 10 tons for each single-lane paver.

All non-vibratory rollers shall travel at a speed no greater than 5 mph (400 fpm).

Vibratory Rollers:
The Contractor may include a vibratory roller in the compaction train providing the vibratory roller is operated in accordance with the manufacturer’s recommendations. The vibratory roller shall be of a self-propelled type specifically designed for the compaction of bituminous concrete.

Vibratory rollers shall be equipped with a speed control device which shall be set by the Contractor to prevent the roller from traveling in excess of 2.5 mph or 220 fpm when the roller is operating in a vibratory mode, and 5 mph or 44fpm when the roller is operating in the static mode. All vibratory rollers shall be shut off from the vibrating mode when reversing directions. All vibratory rollers shall be equipped with automatic reversing eccentrics (weights).

The course shall be finish-rolled with steel-wheel tandem roller having a minimum weight of 10 tons.

Dual vibrating drum rollers meeting the requirements of a steel wheel tandem roller and operating in the static mode may be used as the finish roller; however, this single vibratory roller shall not be used as both breakdown roller and finish roller.

A minimum of one vibratory roller and one steel-wheel tandem roller shall be provided for each single lane paver. The Engineer must approve the type(s) of rollers and number.
The Contractor assumes full responsibility for the cost of repairing all damages, which may occur to roadway components and adjacent property. If the engineer determines that the compaction obtained is less than specified, or damage to highway components and/or adjacent property occurs with the use of the vibratory compaction equipment, the Contractor at no additional expense shall immediately cease using the equipment and shall proceed with the work in accordance with the conventional compaction procedure outlined in the specifications.

All work shall be to the satisfaction of the Director of Public Works or Town Engineer. Work performed that is not done to the satisfaction of the Town shall be rectified to satisfaction of Town of Watertown at no additional expense to the Town.

**Curbing**

Curbing shall be bituminous concrete lip curbing and shall be machine formed pursuant to Connecticut DOT specifications materials, including tack coat shall conform to section M.04 Bituminous Concrete Class 3 of the Form 816, as specified elsewhere. The curbing shall be priced separately from reclamation and paving costs. All backfilling and seeding of curbed area shall be the responsibility of the Contractor, as specified elsewhere. Contractor to provide a thin uniform layer of tack coat at the rate of 20 square yards per gallon prior to placing curbing.

The contractor shall remove at his cost any and all piles of debris, soil, stone or bituminous waste created on the construction site during the installation of the newly paved areas.

**Method of Measurement**

The quantity of bituminous concrete mixture measured for payment will be determined by the documented net weight in tons subject to theoretical yield computations as described in the Form 816, complete and accepted in place. The quantity of speed humps measured for payment shall be the number of speed humps, complete in place. Tack coat or painted markings on speed humps shall not be measured or paid for separately but shall be included in the price bid per speed hump. The quantity of bituminous concrete repair shall be measured for payment by the square feet of bituminous concrete removed and replaced, complete and accepted in place. Saw cutting, tack coat, excavation, formation of subgrade, compaction and gravel base shall not be measured or paid for separately but shall be included in the price bid per unit.

**Basis of Payment**

Furnishing and placing of bituminous concrete shall be paid for at the contract unit price per ton for Bituminous Concrete, Class "A". This payment shall include all labor, tools, equipment, materials, tack coat, in place testing incidental thereto.
Contract unit price for each “Speed Hump”, complete and accepted in place which price shall include all pavement marking or striping, material, tack coat, labor, equipment, tools, and work incidental thereto.
Contract unit price per square foot for “Bituminous Concrete Repair” to remove and replace existing failed pavement including all work required to saw cut existing pavement, remove existing pavement and base, provide new process gravel base and pavement, tack coat edge of existing pavement to remain, labor, equipment, tools, material and all work incidental thereto.
TECHNICAL SPECIFICATIONS
STORM SEWER SYSTEM

Description:

Pipe – (Size and Type):
The item for “Pipe (Size and Type)” shall include all labor, equipment and material to furnish and install the pipe of the size and type specified and as shown on the plans. All reinforced concrete pipe shall be Class IV or V (as shown on plans) and rubber-gasketed. There shall be no separate payment for bedding, backfill, compaction and alignment, but these items shall be included in the price bid per linear foot (LF). Each pipe length shall be laid straight and true to line and grade by means of laser system or other system approved in advance by the Town.

Catch Basin or Flared End – (Type)
The item for Catch Basin or Flared End shall include all labor, equipment and material required to furnish and install catch basins, sumps, risers, tops, frames, grates and flared ends of the size and type specified and as shown on the plans. There shall be no separate payment for excavation, pipe stubs for connecting to new catch basins or manholes, pervious backfill and compaction, or for connecting additional pipes encountered directly into the catch basin but these items shall be included in the price bid per each catch basin or manhole.

Construction Methods

1. Pervious structure backfill – in accordance with the Requirements of Article 2.16 of the Form 816, except that payment will be included in the item for “Type “” Catch Basin” or “Manhole”.
2. Geotextile material – in accordance with the Requirements of Article 7.55 of the Form.
3. Pipe of the size and type specified – in accordance with Article 6.51 of the Form 816 as amended and joints shall be rubber gasketed for RCP. Provide additional RCP or ADS pipe as necessary to connect to new catch basins and manholes.
4. Pipe bedding and backfill – in accordance with Article M.08.03 of the Form 816, as amended.
5. Catch basins, yard drains and manholes of the type specified and as shown on the plans – in accordance with Article 5.07 of the Form 816, as amended.
6. Town will furnish baseline and benchmark for installation of improvements. Contractor to provide all other field survey required. Owner to perform as-built survey upon completion of fieldwork.
7. Contractor is to clean all catch basins, yard drains and manholes at the completion of construction.

Method of Measurement
This work will be measured for payment by the following:

1. Number of linear feet of pipe of the size and type specified to the inside wall of the structure being connected to,
2. Number of catch basins, yard drains and flared ends of the type specified for each one,
3. Geotextile and stone bedding and backfill for under drains shall not be measured or paid for separately.

**Basis of Payment**

This work will be paid for as follows:

1. Contract unit price per each structure, and flared end, complete and accepted in place, which price shall include all equipment, material, labor and work incidental to as specified herein.
2. Contract unit price per each linear foot of pipe of the size and type specified, complete and accepted in place, which price shall include all labor, equipment, materials and work incidental to as specified herein.
TECHNICAL SPECIFICATIONS
CURBING

Description:

Bituminous Concrete Park Curb:
The item for “Bituminous Concrete Park Curb (BCPC)” shall include all labor, equipment and materials required to provide the bituminous concrete park curb, including tack coat in accordance to Form 816 and as shown on the plans. All BCPC shall be backed up by topsoil, which shall be seeded and mulched in accordance with the appropriate line item.

Materials

Bituminous Concrete Park Curb:

Materials, including tack coat, shall conform to the requirements of Article 8.15 of the Form 816.

Construction Methods

1. Bituminous concrete park curb – in accordance with Article 8.15 of the Form 816, as amended.
2. Tack coat material – in accordance with the Form 816, as amended.

Method of Measurement

This work will be measured for payment by the following:

1. Number of linear feet of Bituminous Concrete Park Curb as measured along the top of the curb, as shown on the plans or as directed by the Engineer.
2. Tack coat material will not be measured or paid for separately but shall be included in the price bid per unit foot of curbing.

Basis of Payment

This work will be paid for as follows:

1. Contract unit price per each linear foot of bituminous concrete park curb, complete and accepted in place, which price shall include all equipment, material, labor and work incidental to as specified herein.
TECHNICAL SPECIFICATIONS
EXCAVATION, BACKFILL AND COMPACTION

Description

Backfill and compaction for roadways or structures will not be measured or paid for separately, but shall be included in the unit price of the item. Excavation for earth and trench shall be measured for payment by the cubic yard (CY) and in accordance with the pay limits as shown on the plans. Rock, if encountered, shall be handled in accordance with Section 2.05 of the Form 816, “Standard Specifications for Roads, Bridges and Incidental Construction”, as amended. Contractor is responsible for dewatering and dust control, which cost shall be paid for in the price bid for other items. Test borings were not performed. It is anticipated that a minimum of two test pits will be performed prior to start of construction to locate underground utilities and to verify depths. This item does not include excavation for sidewalks, which is to be paid for under the contract unit price bid for that item or for relocating excess reclaimed material for reuse as sidewalk base. This item includes relocating barrier boulders along roadway.

Construction Methods

1. The excavation of existing roadway material, in accordance with the Requirements of Article 2.02 of the Form 816, as amended. Surplus material is the responsibility of the Contractor.
2. Processed gravel base – in accordance with the Requirements of Article 3.04 of the Form 816, as amended. Contractor is directed to reuse suitable reclaimed material for use for this purpose.
3. Pervious structure backfill – in accordance with the Requirements of Article 2.16 of the Form 816, as amended, except that payment will be included in the item for which it is required.
4. Geotextile material – in accordance with the Requirements of Article 7.55 of the Form 816, as amended, except that payment shall be included in that of other item for which work is required, as shown on plans or as directed by Town.
5. Town will furnish baseline and benchmark for installation of improvements. Contractor to provide all other field survey required. Owner to perform as-built survey upon completion of fieldwork.
6. The cost for clearing and grubbing shall be in accordance with the terms and conditions of Section 2.01 of the Form 816 which shall apply.

Method of Measurement

This work will be measured for payment by the following:
1. Number of cubic yards of material excavated, regardless of type, within the pay limits as shown on the drawings as required or as directed by the Owner. Clearing and grubbing shall not be measured for payment but shall be bid as a lump sum item.

Basis of Payment

This work will be paid for as follows:

1. Contract unit price per cubic yard of material excavated under earth or trench excavation, complete in place and accepted, which price shall include all equipment, material, labor and work incidental thereto as specified herein.

Testing Laboratories

The Contractor shall coordinate, at no additional cost to the Owner, the services of approved testing laboratories to take samples of materials and perform tests as required under this Contract or as ordered by the Engineer. Payment for the testing laboratory services shall be made directly from the town, unless otherwise specified. Contractor will notify on-call testing service company at least 24 hours in advance for compaction testing. Compaction tests are required on base materials prior to placing asphalt and on bituminous concrete pavement during rolling operations.
TECHNICAL SPECIFICATIONS
BEDDING AND BACKFILL

Description

Provided all labor, tools, materials, equipment and incidentals required to perform the work called for in this section including, but not necessarily limited to, the following:

A. Install sand bedding and backfill for water mains.
B. Install backfill material for trench backfill and other areas to produce the required grades.

Materials

A. Sand shall be fine granular material naturally produced by the disintegration of rock and shall be sufficiently free of organic material, mica, loam, clay and other deleterious substances. In case visual inspection of the sand indicates that it is too coarse, the following gradation shall determine its acceptability:

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<tr>
<th>SIEVE SIZE</th>
<th>PERCENT PASSING SIEVES</th>
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<tr>
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<td>#8</td>
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<tr>
<td>#50</td>
<td>10 - 22</td>
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<td>#100</td>
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B. All imported material used for trench backfill shall conform to Section M.02.01 – Gravel Fill of Form 816.

C. The nature of the materials shall govern both their acceptability for backfill and the methods best suited for their placement and compaction in the backfill. In general, material used for backfilling trenches and excavations around structures shall be suitable material that was removed in the course of making the construction excavations complying with Section M.02.01 – Gravel Fill, of Form 816. The source and quantity of all materials brought in from off-site must be approved by the Town, prior to delivery.

No stone or rock fragment greater than 12 inches in greatest dimension shall be placed in the backfill, not shall large masses of backfill material be dropped in the trench in such manner as to endanger pipe. Pieces of bituminous pavement shall be excluded from the backfill.

Construction Methods
As soon as practicable after the pipes have been laid or the structures have been built and are structurally adequate to support loads, including construction loads to which they will be subjected, the backfilling shall be started and thereafter it shall proceed until completion.

1. **Zone Around Pipe:** The space between the water pipe and the bottom side of the trench shall be packed full by hand shovel with sand. In placing the material, care shall be taken that stones do not strike the pipe. The backfill under the pipe shall be thoroughly compacted using curved tamping bars. Sand backfill at the sides and up to the top of the pipe shall be compacted using approved hand tampers. Sand backfill up to a level of 1 foot above the top of the pipe shall be placed in 6-inch lifts, leveled along the length and width of the trench and thoroughly compacted using approved tampers. No sand shall be placed above the top of the pipe until sand under and at the sides of the pipes has been compacted. Care shall be taken in the use of mechanical or other tampers not to injure or move the pipe, or cause the pipe to be supported unevenly.

2. **Remainder of Trench:** The remainder of the trench above the zone around the pipe may be placed in one layer; provided it is compacted by means of a hoe-pack to achieve a 95% modified proctor density. If a hoe pack is not used, the backfill shall be spread in layers not to exceed twelve (12) inches in depth prior to compaction. Each layer shall be carefully and thoroughly tamped with approved tools in such manner as to prevent settlement after the backfill has been completed and to achieve a 95% modified proctor density. Compaction testing may be required by the Town, at the sole discretion of the Town.

**Method of Measurement**

This item shall not be measured individually, but instead shall be measured as part of the contract unit price for the underground utility supplied.

**Basis of Payment**

This item shall not be paid for individually, but instead shall be paid as part of the contract unit price for the underground utility supplied.
TECHNICAL SPECIFICATIONS
PRINTED UNDERGROUND WARNING TAPE

Description

The item for “Printed Underground Warning Tape” shall include all labor, equipment and materials necessary to properly lay the printed underground warning tape in the trench above the supplied utility in accordance with the dimensions, details and specifications shown on the plans or as directed by the Town.

Construction Methods

Materials and placement utilized for the printed underground warning tapes shall meet the latest APWA and AASHTO specifications. The materials shall be 6” wide, durable, flexible, 4 mil polyethylene film that is highly resistant to acids, alkalis and other soil components. Film used shall be color coordinated for the proper utility it lies, above. There shall be 2 lines of print on the warning tape. The top line shall read “CAUTIN” and the bottom line shall state the type of utility below. All lettering shall be black on properly colored backgrounds which are as follows;

BURIED SEWER LINES – Green
BURIED DRAIN LINES – Purple
BURIED POTABLE WATER LINES – Blue
BURIED ELECTRICAL LINES – Red

The minimum distance between the buried utility and the warning tape shall be 12 inches unless the depth, other underground utilities, or other engineering considerations make the minimum separation unfeasible. Warning tape shall be placed above all utilities supplies.

Method of Measurement

This item shall not be measured individually, but instead shall be measured as part of the contract unit price for the underground utility supplied.

Basis of Payment

This item shall not be paid for individually, but instead shall be paid as part of the contract unit price for the underground utility supplied.
TECHNICAL SPECIFICATIONS
RELOCATE SIGN OR BENCH

Description

The item for “Relocate Sign” or “Relocate Bench” or “Relocate Dog Station” shall include all labor, equipment and materials required to provide the removal, storage and resetting of any signs or benches at the location shown on the plans or as directed by the Engineer. The work also includes the construction of new foundations or anchors. This work must be done with great care not to damage the sign or bench or dog station. If such damage occurs, the Contractor is responsible for replacing the sign or bench or dog station to the satisfaction of the sign owner.

Materials

The contractor shall be responsible for damage to all equipment and materials incurred during removing and resetting of the sign or bench or dog station. All repairs and replacements due to damage or loss by the Contractor shall be made at the Contractor’s expense.

Construction Methods

The sign or bench or dog station shall be reset where shown on the plans or directed by the Town. The Contractor shall excavate around the foundation of the sign or bench or dog station, remove and store either on or off site. The final placement of the sign or bench or dog station shall be as directed by the Town or shown on the plans.

Method of Measurement

This work will be measured for payment by the following:

Number of signs or benches or dog stations relocated, complete and accepted in place. When new sign post is required or ordered by Town, that sign post shall be measured and paid for separately and the existing sign post shall be properly disposed of off-site by contractor at no additional cost to Town.

Basis of Payment

This work will be paid for as follows:

Contract unit price per each sign or bench or dog station relocated and accepted complete in place, which price shall include all equipment, material, labor and work incidental to as specified herein. Payment shall also include storage and protection of the sign or bench until it can be relocated.
TECHNICAL SPECIFICATIONS
MAINTENANCE AND PROTECTION OF TRAFFIC

Description

The item for “Maintenance and Protection of Traffic” shall include all labor, equipment and materials required in accordance with the Form 816, except that this item shall also include the cost of signs, barricades, drums, lights, delineators, traffic cones and furnishing and placing of materials such as borrow, gravel, crushed stone, bituminous concrete for patching and pipe. Contractor is solely responsible for work zone safety and shall provide, at a minimum, the work zone signage attached. Normal operations in the park will continue during construction. Roadway shall be kept open to at least one-way traffic within the project area at all times when Contractor is not actively working in area. Access to all park areas shall be maintained except for very brief interruptions. It is the sole responsibility of the contractor to make arrangements for vehicles to reach all playing fields during working hours either through or around work site(s). Work zone cone, barricade and signage patterns shall be based upon the posted speed limit of 15 miles per hour and the attached plates.

Method of Measurement

This work will not be measured for payment.

Basis of Payment

This work will be paid for at the contract lump sum price for “Maintenance and Protection of Traffic” in accordance with Article 9.71 of the Form 816, except that this item will also include all costs for signs, barricades, drums, traffic cones, lights, delineators and the cost of furnishing and placing of materials such as borrow, gravel, crushed stone, bituminous concrete for patching, pipes and temporary repairs or to maintain safe and efficient vehicular and pedestrian traffic.
TECHNICAL SPECIFICATIONS
TOPSOIL AND TURF ESTABLISHMENT

Description

The item for “Topsoil and Turf Establishment” shall include all labor, equipment and material necessary to strip, screen and stockpile existing topsoil, respread stockpiled topsoil to line, depth and grade at the locations as shown on the plans or as directed by the Engineer, rake out all stones 1” and greater in size as well as roots and other objectionable material, seed and mulch in accordance with Articles 9.44 and 9.50 of the Form 816, as amended, at the unit price per square yard.

Materials

Topsoil, fertilizer, seed, and mulch shall conform to the requirements of Section M.13 of the Form 816, as amended.

Construction Methods

1. Topsoil and Turf Establishment - in accordance with Articles 9.44 and 9.50 of the Form 816, as amended,
2. Town will furnish baseline and benchmark for installation of improvements. Contractor to provide all other field survey required. Owner to perform as-built survey upon completion of fieldwork.
3. Existing material shall be removed from new sidewalk area, screened, stockpiled and reused as required. Spread to a minimum depth as shown on detail. Excess material to be disposed of on-site as directed by town.

Method of Measurement

This work will be measured for payment by the following:

Number of square yards of Topsoil and Turf Establishment as shown on the plans or as directed by the Engineer. The pay limit for topsoil and turf establishment shall be two feet beyond back of new bituminous concrete curb, walkway or driveway. Number of square yards of topsoil removed from new sidewalk area, screening, staging, and incidental costs thereto shall not be measured separately but shall be included in the item of work for which it is required.

Basis of Payment

This work will be paid for as follows:

Contract unit price per each square yard of “Topsoil and Turf Establishment”, complete and accepted in place, which price shall include all equipment, mowing, watering,
maintenance, material, labor and work incidental to as specified herein. Partial payment of up to 60% may be made for work completed, but not accepted, at the option of the Town.
TECHNICAL SPECIFICATIONS
BITUMINOUS CONCRETE SIDEWALKS AND DRIVEWAYS

Description

All labor, equipment and materials for sidewalk excavation, base, pavement sawing and
tack coat will not be measured or paid for separately, but shall be included in the unit
price of the item “Bituminous Concrete Sidewalk” or “Bituminous Concrete Driveway”,
in accordance with Form 816, Article 9.22, as amended, which shall include all labor
equipment and material to provide a bituminous concrete sidewalk of the size and type as
specified or as shown on the plans. Base course shall be reclaimed aggregate from the
pavement reclamation. Grass and topsoil excavated to install new sidewalk shall be
stockpiled, screened and reused as part of the new grass shoulder.

Materials

Tactile Warning Pads – (i.e. ADA Truncated Dome Detectable Warning Systems)

ADAAG 4.29.2 Detectable Warnings on Walking Surfaces. Detectable warnings shall
consist of raised truncated domes with a diameter of nominal 0.9 in (23 mm), a height of
nominal 0.2 in (5 mm) and a center-to-center spacing of nominal 2.35 in (60 mm) and
shall contrast visually with adjoining surfaces, either light-on-dark, or dark-on-light.

Federal Standard 595A Color #22144 or approved equal.

Material shall be from manufacturer listed
below or approved equal.

<table>
<thead>
<tr>
<th>BRAND NAME</th>
<th>SUPPLIER/LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detectable Warning Tile</td>
<td>ADA SOLUTIONS INC.</td>
</tr>
<tr>
<td>Cast in Place Tactile</td>
<td>P.O Box 179</td>
</tr>
<tr>
<td>Surfaced Applied Tactile</td>
<td>North Billerica, MA 01862</td>
</tr>
<tr>
<td>Cast in Place Replaceable Tactile</td>
<td>(978) 262-9900</td>
</tr>
<tr>
<td></td>
<td><a href="http://www.adatile.com">www.adatile.com</a></td>
</tr>
</tbody>
</table>

Construction Methods

Bituminous concrete sidewalk or driveway – in accordance with Article 9.22 of the
Form 816, as amended.
**Method of Measurement**

This work will be measured for payment by the following:

Number of square feet of bituminous concrete sidewalks or aprons or driveways as shown or as directed by the Town.

Number of tactile warning pads, at locations shown on plans or as directed by Town.

Excavation, screening, stockpiling handling and incidental work related thereto for topsoil and grass removal and reuse shall not be measured separately for payment but shall be included in the unit prices bid.

**Basis of Payment**

This work will be paid for as follows:

Contract unit price per each square foot of bituminous concrete sidewalk or driveway, complete and accepted in place, which price shall include all equipment, material, labor and work incidental to as specified herein.

Contract unit price per each tactile warning pad, complete and accepted in place, which price shall include all equipment, material, labor and work incidental to as specified herein.
TECHNICAL SPECIFICATIONS
SIGNS, POSTS AND HARDWARE

Description

Work under this item include the provision and installation of assorted signs, complete in place in locations as shown on plans or as directed by Engineer.

Construction Methods

Construction methods shall be in accordance with Form 816, Section 12.08.

Materials

Reflective sheeting shall conform to the requirements of ASTM D4956 Standard Specification for Retro reflective Sheeting for Traffic control and shall be Type III High Intensity, or approved equal.

All reflective sheeting materials shall be on the Connecticut Department of Transportation’s Qualified Product list for the application intended.

Sheet aluminum sign blanks shall be constructed of sheet aluminum, alloy 6061-T6 or alloy 5052-H38. Sheet aluminum sign blanks shall conform to ASTM B209. They shall be degreased and etched in accordance with the recommendations of the sheeting manufacturer or treated with a light, tightly adherent chromate conversion coating, free of any powdery residue, ranging in color from silvery iridescent to a pale yellow, conforming to ASTM B449, Class 2 (20-35 mg/ft) with 25 mg/ft as the optimum coating. The thickness shall be .080".

Placement and dimensions of copy, border and mounting holes shall conform to attached details.

Retro-reflective copy, border and background shall be applied in a manner specified by the reflective sheeting manufacturer. Sheeting shall be applied in such a manner that the finished sign will be wrinkle and bubble free. No splices of the reflective sheeting will be permitted on any sign face.

Direct applications of retro-reflective sheeting copy and border shall conform to the requirements specified by the reflective sheeting manufacturer. Cutout copy and border shall be applied directly to clean, dust free reflective sheeting background panels. Borders shall be cut neatly and butt-joined at corners and panel joints. Reflective sheeting used for direct applied cutout copy and border shall be uniform in brightness and color.

The fabrication of aluminum sign blanks including cutting to size and shape and the punching of mounting holes shall be completed prior to metal degreasing and the
application of reflective sheeting. Aluminum sign blanks shall be free of buckles, warp, dents, cockles, burrs and defects resulting from fabrications. Street name signs to be single sided, back to back and mounted with rivets as shown on plates.

Rain cap is pyramidal. Metal sign posts, size, shape and weight shall be as specified in the attached plans. Posts shall be 10’ – 0”.

After fabrication of the posts, anchors, rain caps, nuts and bolts, including hole punching or drilling, shall be galvanized as noted on the plans.

Signs and posts shall be as shown on plans. Written specifications shall take precedence over standard detail.

**Method of Measurement**

This work will be measured for payment by the following:

Number of signs and posts of the size and type specified or shown on the plans or as directed by the Town including all labor, equipment, concrete, posts, caps, hardware and materials required. Note that the unit price bid for each sign of the type shown or specified includes all signs, posts, hardware, labor, equipment and material required to install sign complete and accepted in place.

**Basis of Payment**

Signs shall be paid for at the unit price per each as listed.
TECHNICAL SPECIFICATIONS
SEDIMENTATION CONTROL SYSTEM

Description

The item for "Sedimentation Control Systems" shall include all labor, equipment and materials required to furnish, place, maintain and remove sedimentation control systems, as shown on the plans or as directed by the Town, in place according to Form 816, as amended. There shall be no separate payment for the cleaning out accumulated sediment or replacing failed system.

Materials

Materials shall conform to the requirements of Section 2.19 of the Form 816, as amended.

Construction Methods

System shall be placed and maintained in accordance with the requirements of Section 2.19 of the Form 816, as amended.

Method of Measurement

This work will be measured for payment by the following:

Number of linear feet of sedimentation control systems as measured along the centerline of the system installed and accepted. Replacement systems shall not be measured for payment.

Basis of Payment

This work will be paid for as follows:

Contract unit price per linear foot of sedimentation control systems installed and accepted complete in place, which price shall include all equipment, material, labor, tools and work incidental to the placement, maintenance, replacement, removal and disposal of the system and surplus material. No payment shall be made for cleaning out accumulated sediment or replacement materials.
TECHNICAL SPECIFICATIONS
STABILIZED DRAINAGE OUTFALL

Description

The item for “Stabilized Drainage Outfall” shall include all labor, equipment and materials required to provide the outfall and riprap of the size and type specified, as shown on the plans or as directed by the Town, gravel base and Geotextile, complete and accepted in place according to Form 816 and as shown on the plans. There shall be no separate payment for the excavation, Geotextile material or granular fill under the riprap, but these items shall be included in the price bid per each stabilized drainage outfall.

Construction Methods

1. The excavation of existing material, in accordance with the Requirements of Article 2.02 of the Form 816. Surplus material is to be deposited elsewhere, as directed by the Town.
2. Gravel fill - in accordance with the Requirements of Article 2.02 of the Form 816, as amended.
3. Geotextile material – in accordance with the Requirements of Article 7.55 of the Form 816 except that payment shall be included in the item “Riprap.”
4. Riprap – in accordance with Article 7.03 of the Form 816, as amended.

Method of Measurement

This work will be measured for payment by the following:

1. Number of stabilized drainage outfalls, of the size specified as shown on the plans or as directed by the Engineer, including riprap.

Basis of Payment

This work will be paid for as follows:

1. Contract unit price per each stabilized drainage outfall installed and accepted complete in place, which price shall include all equipment, material, labor and work incidental to as specified herein.
TECHNICAL SPECIFICATIONS
WOODEN WALKWAY

Description

The item for “Wooden Walkway/Footbridge” shall include all labor, equipment and materials required to provide the footbridges and walkways to the dimensions and in the locations specified, as shown on the plans or as directed by the Town, complete and accepted in place according to Form 816 and as shown on the plans. Included in this item is any excavation or backfill required for work.

Materials

Wooden boards and plans shall be pressure treated Southern Pine with apcf of 0.40.

Metal Rebar shall be in conformance with ASTM A 615/A 615M, Grade 60.

Hardware shall be stainless steel.

Cement, coarse and fine aggregate shall comply with ACI 304. Coarse aggregate shall be no larger than 25mm diameter and, together with fine aggregate, shall comply with ASTM C-33. Cement shall be Type I, ASTM C-150.

Pipe bollard shall be 6 inch diameter, carbon steel (ASTM A-36) having a minimum tensile strength of 400 to 550 Mpa.

Paint shall conform to the requirements of Form 816 Article M.07.08 for undercoat and M.07.09 for top coats.

Granular fill shall conform to the requirements of Article 2.02 of the Form 816.

Construction Methods

The walkways and accessories shall be constructed in accordance with standard industry practices to the satisfaction of the town of Watertown. Surplus material is to be deposited elsewhere, as approved by the Town as part of the unit prices bid. Pipe bollards shall receive one primer coat and two top coats of green.

Method of Measurement

This work will be measured for payment for each linear foot of footbridge or walkway, complete and accepted in place.

Basis of Payment
This work will be paid for at the contract unit price per each linear foot of walkway installed and accepted in place, which shall include all labor, equipment, materials incidental thereto.

This item is being bid as an Add/Alternate.
DESCRIPTION

The item for “Riprap” shall include all labor, equipment and materials required to provide the riprap of the size and type specified, as shown on the plans or as directed by the Town, gravel base and geotextile, complete and accepted in place according to Form 816 and as shown on the plans. There shall be no separate payment for the excavation, geotextile material or granular fill under the riprap, but these items shall be included in the price bid per cubic yard (CY) of riprap.

CONSTRUCTION METHODS

The excavation of existing material, in accordance with the Requirements of Article 2.02 of the Form 816. Surplus material is to be deposited elsewhere in town, as directed by the Town.
Processed gravel base – in accordance with the Requirements of Article 3.04 of the Form 816, as amended.
Gravel fill - in accordance with the Requirements of Article 2.02 of the Form 816, as amended.
Geotextile material – in accordance with the Requirements of Article 7.55 of the Form 816 except that payment shall be included in the item “Riprap.”
Riprap – in accordance with Article 7.03 of the Form 816, as amended.

METHOD OF MEASUREMENT

This work will be measured for payment by the following:

Number of cubic yards of riprap, of the size specified as shown on the plans or as directed by the Engineer. Riprap in stabilized drainage outfalls shall not be measured for payment under this item.

BASIS OF PAYMENT

This work will be paid for as follows:

Contract unit price per cubic yard for riprap installed and accepted complete in place, which price shall include all equipment, material, labor and work incidental to as specified herein.
TECHNICAL SPECIFICATIONS
PAINTED PAVEMENT MARKINGS

Description

This item shall consist of furnishing and installing painted pavement markings, fast-drying painted pavement markings and painted legend, arrows and markings, of the type and color specified at the locations directed by the Town and in conformity with these specifications and as directed by the Town.

Painted legend, arrows and markings includes paint installed with a hand striping machine such as: stop bars, crosswalks, lane arrows, legends, markings within gore areas, and painting of paved island or medians. Note payment for pavement markings on speed humps are included in the price bid per speed hump. Parking stalls shall be installed with hand striping machines in the colors and dimensions as shown on the plans.

Painted pavement markings and fast-drying painted pavement markings includes paint installed with a truck-mounted painting such as: center lines, lane lines and shoulder lines.

Materials

Materials for this work shall conform to the requirements of the State of Connecticut Department of Transportation Form 816 “Standard Specification for Roads, Bridges and Incidental Construction” Article M.07.20 for 15 minute dry paint, Article M.07.21 for hot applied, fast-drying paint and Article M.07.30 for glass beads.

Construction Methods

Paint shall be applied at a rate of 100 square feet to 115 square feet per gallon with glass beads applied at a rate of six pounds per gallon of paint for painted pavement markings and painted legend, arrows and markings, and eight pounds per gallon of paint for fast-drying painted pavement markings.

Fast-drying paint shall be applied at a temperature of 120° F to 150° F at the spray gun.

All painting shall be performed in a neat and workmanlike manner. The lines shall be sharp and clear with no feathered edging or fogging and precautions shall be taken to prevent tracking by tires of the striping equipment.

After application, the paint shall be protected from crossing vehicles for a time at least equivalent to the drying time for the paint.
Method of Measurement

Painted pavement markings and fast-drying pavement markings will be measured for payment by the number of linear feet of paint applied by a truck-mounted painting machine on the pavement and accepted. Painted legend, arrows and markings will be measured for payment by number of square feet of paint installed with a hand striping machine on the pavement and accepted. Pavement markings on speed humps shall not be measured or paid for separately but shall be included in the price bid per speed hump. Parking stalls, handicapped parking stalls and handicapped van parking stalls shall be measured for payment by the number of such stalls installed and accepted, including legends, background paints, lines and striping.

Basis of Payment

This work will be paid for at the unit price per square foot for “Painted Legend, Arrows and Markings” and per linear foot of paint for “Painted Pavement Markings” and “Fast-Drying Painted Pavement Markings”, “Parking Stalls”, Handicapped Parking Stalls” and Handicapped Van parking Stalls” of the width and color specified, installed on the pavement and accepted. This price shall include all traffic control, paint, glass beads, application of paint and glass beads, and protection during drying of all materials, equipment, tools and labor incidental thereto.
PROPOSAL

The following items shall be provided in accordance with the State of Connecticut Department of Transportation “Standard Specifications for Roads, Bridges and Incidental Construction”, Form 816, as amended.

<table>
<thead>
<tr>
<th>Description/Unit Price</th>
<th>Estimated Quantities</th>
<th>Computed Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Item # 1 – Roadway Excavation</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per cubic yard (CY).&lt;br&gt;275 CY</td>
<td>$_________</td>
<td></td>
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<tr>
<td><strong>Item # 2 – Trench Excavation</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per cubic yard (CY).&lt;br&gt;37 CY</td>
<td>$_________</td>
<td></td>
</tr>
<tr>
<td><strong>Item # 3 - Bituminous Concrete – Class 1</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per ton.&lt;br&gt;1445 Tons</td>
<td>$_________</td>
<td></td>
</tr>
<tr>
<td><strong>Item # 4 – Removal of Bituminous Concrete Curbing</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per linear foot.&lt;br&gt;2420 LF</td>
<td>$_________</td>
<td></td>
</tr>
<tr>
<td><strong>Item # 5 – Milling Bituminous Concrete</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per square yard (SY)&lt;br&gt;3543 SY</td>
<td>$_________</td>
<td></td>
</tr>
<tr>
<td><strong>Item # 6 – Reclamation of Bituminous Concrete</strong>&lt;br&gt;The unit price of&lt;br&gt;_______________________________ Dollars&lt;br&gt;and __________________________ Cents&lt;br&gt;($ ___ ) per square yard.&lt;br&gt;6603 SY</td>
<td>$_________</td>
<td></td>
</tr>
</tbody>
</table>
Item # 7 - Bituminous Concrete Sidewalk
The unit price of
$_________ Dollars and $_________ Cents per square yard (SF).
15,736 SF $_________

Item # 8 – 15” ADS
The unit price of
$_________ Dollars and $_________ Cents per linear foot (LF).
70 LF $_________

Item # 9 – 12” ADS
The unit price of
$_________ Dollars and $_________ Cents per linear foot (LF).
35 LF $_________

Item # 10 – 12” ADS Flared End Section
The unit price of
$_________ Dollars and $_________ Cents per each (EA).
1 EA $_________

Item # 11 – 15” ADS Flared End Section
The unit price of
$_________ Dollars and $_________ Cents per each (EA).
1 EA $_________

Item # 12 – Type “C” Catch Basin
The unit price of
$_________ Dollars and $_________ Cents per each (EA).
1 EA $_________

Item # 13 – Yard Drain
The unit price of
$_________ Dollars and $_________ Cents per each (EA).
12 EA $_________

Item # 14 – Modified Rip Rap
The unit price of
$_________ Dollars and $_________ Cents
Item # 15 – Stabilized Drainage Outfall
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per cubic yard (CY)
3 CY $ __________

Item # 16 – Topsoil & Turf Establishment
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per square yard (SY)
4757 SY $ __________

Item # 17 – Relocate Fire Pit
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per each (EA)
1 EA $ __________

Item # 18 – Relocate Bench
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per each (EA)
4 EA $ __________

Item # 19 – Relocate Sign
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per each (EA)
4 EA $ __________

Item # 20 – Bituminous Concrete Driveway Apron
The unit price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per square foot (SF)
1430 SF $ __________

Item # 21 - Maintenance and Protection of Traffic
The lump sum price of
_________________________ Dollars
and ______________________ Cents
($ __________ ) per lump sum (LS)
1 LS $ __________

Item # 22 – Bituminous Concrete Park Curb (BCPC)
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per linear foot (LF)  
2420 LF  $ _________

Item # 23 – Speed Hump
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per Each (EA)  
4 EA  $ _________

Item # 24 - Fast Drying Painted Pavement Markings
Single 6”, yellow
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per lineal foot (LF).  
963 LF  $ _________

Item # 25 – Parking Stall
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per Each (EA)  
185 EA  $ _________

Item # 26 – Handicapped Parking Stall
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per Each (EA)  
6 EA  $ _________

Item # 27 – Handicapped Van Parking Stall
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per Each (EA)  
4 EA  $ _________

Item# 28 - Painted Legend, Arrows and Markings
The unit price of
_________________________ Dollars
and ______________________ Cents
($ _______ ) per square foot.  
300 SF  $ _________

Item # 29 – Speed Hump
The unit price of
_________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  

Item # 30 – Bituminous Concrete Pavement Repair
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Square Foot (FT)  
1508 SF  $__________

Item # 31 – 10’ Sign Posts
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per each (EA)  
10 EA  $__________

Item # 32 – Stop Sign, Post and Hardware
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  
3 EA  $__________

Item # 33 – No Right Turn Sign, Post and Hardware
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  
2 EA  $__________

Item # 34 – No Left Turn Sign, Post and Hardware
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  
4 EA  $__________

Item # 35 – Wrong Way Sign, Post and Hardware
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  
1 EA  $__________

Item # 36 – Yield Sign, Post and Hardware
The unit price of
__________________________ Dollars
and ______________________ Cents
($       ) per Each (EA)  
1 EA  $__________

Item # 37 – One Way Sign, Post and Hardware
The unit price of
Item # 38 – Do Not Enter Sign, Post and Hardware
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per Each (EA)        1 EA  $__________

Item # 39 – Handicapped Parking Sign, Post and Hardware
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per Each (EA)        6 EA  $__________

Item # 40 – Handicapped Van Parking Sign, Post and Hardware
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per Each (EA)        4 EA  $__________

Item # 41 – Relocate Curb Your Dog Station, Sign, Post and Hardware
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per Each (EA)        4 EA  $__________

Item # 42 – Sedimentation Erosion Control – Stone Check Dam
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per linear foot (LF)  60 LF  $__________

Item # 43 – Sedimentation Erosion Control – Silt Fence
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per linear foot (LF)  2500 LF  $__________

Item # 44 – Project Sign
The unit price of

and ____________________________ Dollars
and ____________________________ Cents
($                ) per each (EA)        1 EA  $__________
Item # 45 – Tactile Warning Pads
The unit price of

_____________________________ Dollars
and _________________________ Cents
($ ____________ ) per each (EA)

6 EA $ ____________

Computed
Total- Project $ ____________

Item # 46 – Wooden Walkway (Add/Alternate)
The unit price of

_____________________________ Dollars
and _________________________ Cents
($ ____________ ) per linear foot (LF)

216 LF $ ____________
Payment Terms: Net 30 days, less 5% during construction and 2% to be held for one year

Exceptions Taken

Time to Completion ___________________________ Working Days

Warranty ___________________________

Have you taken any exceptions or have you deviated from our printed specification and if so, are such suggested changes clearly noted on the page provided for exceptions to specifications?

___ yes  ___ no
EXCEPTIONS TAKEN TO SPECIFICATIONS:
## RECEIPT OF ADDENDA

<table>
<thead>
<tr>
<th>ADDENDUM #</th>
<th>SIGNATURE</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
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NAME OF BIDDER: ____________________________________________

OFFICIAL ADDRESS: __________________________________________

PHONE NUMBER: ____________________________________________

BY: ___________________ TITLE: ____________________________

(Please Print)

DATE: __________________________

SIGNATURE: ____________________________________________
PROPOSED SUBCONTRACTORS

FIRM

Name

Street

City State Zip Code

CONTACT __________________________ TELEPHONE __________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________________


FIRM

Name

Street

City State Zip Code

CONTACT __________________________ TELEPHONE __________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________________


FIRM

Name

Street

City State Zip Code

CONTACT __________________________ TELEPHONE __________________________

Please Print

TYPE OF WORK TO BE PERFORMED ________________________________________
REFERENCES

The Bidder is required to fill out the following form to enable the Owner to make inquiries and judgment as to the Bidder's experience, skill, available financial resources, credit and business standing.

1. Number of years the Bidder has been in business as a Contractor: _____________.

2. List three (3) projects of similar in nature to the project described herein that the Bidder has completed along with the approximate construction cost. Include the name, address and telephone number of a reference for each project.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

3. List projects presently under construction by the Bidder, dollar volume of the Contract and percent completed.

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________

__________________________________________________________________________
4. Has the Bidder ever failed to complete work awarded to him; and if so, state where and why.

______________________________
______________________________
______________________________
______________________________

5. Does the Bidder plan to sublet any part of this work; and if so, give details.

______________________________
______________________________
______________________________
______________________________

6. List equipment the Bidder owns that is available for this project.

______________________________
______________________________
______________________________
______________________________

7. List equipment the Bidder plans to rent or purchase for this project.

______________________________
______________________________
______________________________
______________________________
8. If the Bidder has worked under the direction of a Consulting Engineer, list recent projects with the name, address and telephone number of the Consultant.

________________________________________________________________________

________________________________________________________________________

________________________________________________________________________

9. List name, address and telephone number for the following:

Surety: ________________________________________________________________

________________________________________________________________________

Bank: _________________________________________________________________

________________________________________________________________________

Major Material
Supplier: ________________________________________________________________

________________________________________________________________________
PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)
a __________________________, hereinafter called Principal and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)
hereinafter called Surety, are held and firmly bound unto

(Name of Owner)

(Address of Owner)
hereinafter called OWNER, in the penal sum of _________________________ Dollars,
$________________) in lawful money of the United States, for the payment of which sum well and
truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these
presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a
certain contract with the OWNER, dated the ____ day of ________, 20___, a copy of which is
hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the
undertakings, covenants, terms, conditions, and agreements of said contract during the original term
thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to
the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands
incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs
and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the
OWNER all outlay and expense which the OWNER may incur in making good any default, then this
obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that
no change, extension of time, alteration or addition to the terms of the contract or to WORK to be
performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in ___ counterparts each one of which shall be deemed an original, this ___ day of _________, 20__. 

ATTEST:  

________________________________________        Principal
By________________________________________ (s)

________________________________________        (Address)
(Witness as to Principal)

________________________________________        (Address)

________________________________________        Surety

ATTEST:  

________________________________________        (Address)
(Surety) Secretary
By________________________________________ (Address)
(SEAL)
(Witness as to Surety)

________________________________________        Attorney-in-Fact

________________________________________        (Address)

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.
PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a ________________________, hereinafter called Principal and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto

(Name of Owner)

(Address of Owner)

hereinafter called OWNER, in the penal sum of ________________________ Dollars,
$____________________ in lawful money of the United States, for the payment of which sum well and
truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these
presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain
contract with the OWNER, dated the _____ day of ____________, 20____, a copy of which is hereto
attached and made a part hereof for the construction of:

_____________________________

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the
undertakings, covenants, terms, conditions, and agreements of said contract during the original term
thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to
the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands
incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs
and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the
OWNER all outlay and expense which the OWNER may incur in making good any default, then this
obligation shall be void; otherwise to remain in full force and effect.
PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed thereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in ____ counterparts each one of which shall be deemed an original, this ____ day of ____________, 20__. 

ATTEST: 

________________________________________ 
(Principal) Secretary  
(SEAL) 

By ___________________________ (s) 

________________________________________ 
(Address) 

(Witness as to Principal) 

________________________________________ 
(Address) 

ATTEST: 

________________________________________ 
(Surety) Secretary  
(SEAL) 

By ________________ Attorney-in-Fact 

________________________________________ 
(Witness as to Surety) 

________________________________________ 
(Address) 

NOTE: Date of BOND must not be prior to date of Contract.  
If CONTRACTOR is Partnership, all partners should execute BOND 

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.