

CITY OF NORWICH  
**Invitation for Bid**

BID # 7271  
**GREENEVILLE DAM REPAIRS**

**NORWICH PUBLIC UTILITIES**

Sealed bids for Greenville Dam Repairs will be received at the Office of the Purchasing Agent at City Hall, 100 Broadway, Norwich, Connecticut 06360 until 2:00 P.M., on Tuesday April 12, 2011 prevailing time, at which time they will be publicly opened and read aloud.

**Bid surety in the form of cash, a certified check or bid bond in the amount of five percent 5% of this bid is required.**

Copies of the Specifications may be obtained at the Purchasing Office at 100 Broadway, Norwich, CT.

*There will be a MANDATORY pre-bid meeting Wednesday, March 23, 2011 at the project site at 10:00 AM.*

Norwich Public Utilities reserves the right to reject any or all bids, in whole or in part, to award any item, group of items, or total bid, and to waive any informality in the bids received if it deems it to be in the best interest of the Department to do so.

No Bidder may withdraw their bid within 60 days after the actual date of bid opening thereof. Should there be reason why the contract cannot be awarded within the specific period, this time may be extended by mutual agreement between the City and the designated, qualified low Bidder.

All final awards of the bid subject to comply with Ordinance No. 1235 adopted December 3, 1991.

All bids must be submitted in a sealed envelope bearing the bidders name and bid number.

Responding bidders must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, age, handicap, familial status, sex, or national origin.



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PURCHASING AGENT

**NOTE: BIDDERS ARE HEREBY ADVISED THAT ONLY BID SURETIES FOR THE THREE LOWEST BIDDERS WILL BE HELD. ALL OTHERS WILL BE RELEASED WITHIN SEVEN DAYS.**

**REQUEST FOR QUOTATION  
THE CITY OF NORWICH  
DEPARTMENT OF PUBLIC UTILITIES**  
Norwich, Connecticut 06360

March 11, 2011

In your reply, refer to  
Purchasing Division  
860-823-4179

**TO:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**THIS IS NOT AN ORDER**

Shipping Point: \_\_\_\_\_

F.O.B. \_\_\_\_\_ Via: \_\_\_\_\_

Delivery: Complete Shipment to be made from \_\_\_\_\_ in \_\_\_\_\_ days from receipt of order

Terms: \_\_\_\_\_ % \_\_\_\_\_ days: Net \_\_\_\_\_ days Shipping Weight \_\_\_\_\_ Ibs.

|   |
|---|
| <p><b>IMPORTANT</b></p> <p>PLEASE QUOTE ON THIS SHEET IN SPACE INDICATED BELOW FOR THE MATERIALS AND/OR SERVICES DESCRIBED..</p> <p>EXPLAIN FULLY ANY SUBSTITUTES SUBMITTED. PURCHASES MADE BY THE NORWICH DEPARTMENT OF PUBLIC UTILITIES ARE CONSIDERED EXEMPT FROM THE PAYMENT OF FEDERAL EXCISE TAXES, CONNECTICUT SALES TAXES, ETC., AND SUCH TAXES MUST BE IDENTIFIED SEPARATELY OR EXCLUDED FROM THE BID PRICES. EXEMPTION CERTIFICATIONS WILL BE FURNISHED AS REQUIRED.</p> <p>THE RIGHT TO ACCEPT ALL OR ANY PART OR TO DECLNE THE WHOLE IS RESERVED.</p> <p align="center">Your quotation must be in our office</p> <p>By: Tuesday April 12, 2011 at:<br/>2:00 PM, Prevailing time</p> <p align="center">_____<br/>THE CITY OF NORWICH</p> |
|---|

| Item | Quantity       | Materials and/or Services Required                | Unit Price | Total Price |
|------|----------------|---|------------|-------------|
|      |                | ESTIMATED QUANTITIES BELOW PER BID SPECIFICATIONS |            |             |
| 1.   | 1115 SQ FT     | SPILLWAY PLANKING                                 |            |             |
| 2.   | 655 SQ FT      | VERTICLE SPILLWAY PLANKING                        |            |             |
| 3.   | 1800 LINEAR FT | CRIBBING  |            |             |
| 4.   | 215 EACH       | CRIBBING PIN CONNECTION                           |            |             |
| 5.   | 120 EACH       | CRIBBING SPLICE CONNECTION                        |            |             |
| 6.   | 200 CUBIC YARD | STONE BALLAST                                     |            |             |

Please answer without exception all questions listed on this request for quotation

To THE CITY OF NORWICH

We quote you as above,

Date \_\_\_\_\_ 20\_\_\_\_

Signed: \_\_\_\_\_

By: \_\_\_\_\_

**REQUEST FOR QUOTATION  
THE CITY OF NORWICH  
DEPARTMENT OF PUBLIC UTILITIES**  
Norwich, Connecticut 06360

March 11, 2011

In your reply, refer to  
Purchasing Division  
860-823-4179

**TO:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

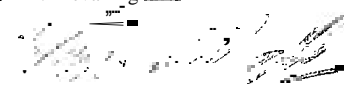
**THIS IS NOT AN ORDER**

Shipping Point: \_\_\_\_\_

F.O.B. \_\_\_\_\_ Via: \_\_\_\_\_

Delivery: Complete Shipment to be made from \_\_\_\_\_ in \_\_\_\_\_ days from receipt of order

Terms: \_\_\_\_\_ % \_\_\_\_\_ days: Net \_\_\_\_\_ days Shipping Weight \_\_\_\_\_ lbs.

|   |
|---|
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|---|

| Item | Quantity      | Materials and/or Services Required                | Unit Price | Total Price |
|------|---------------|---|------------|-------------|
|      |               | ESTIMATED QUANTITIES BELOW PER BID SPECIFICATIONS |            |             |
|      | 10 CUBIC YARD | CONCRETE INSTALLED                                |            |             |
| 8.   | 200 SQ FT     | MORTAR REPAIR                                     |            |             |
|      | 2000 SQ FT    | PRESSURE GROUT REPAIR                             |            |             |
| 10.  | 50 CUBIC YARD | EXCAVATE  |            |             |
|      | 6 EACH        | STEEL PLATE INSTALLATION                          |            |             |
| 12.  | PERCENTAGE    | PREMIUM PAID FOR NON STANDARD WORKING HOURS       |            |             |

Please answer without exception all questions listed on this request for quotation

To THE CITY OF NORWICH

We quote you as above,

Date \_\_\_\_\_ 20\_\_\_\_

Signed: \_\_\_\_\_

By: \_\_\_\_\_



BID # 7271

NORWICH PUBLIC UTILITIES

CONDITIONS AND SPECIFICATIONS FOR DAM REPAIR FOR THE  
GREENEVILLE DAM

It is the intent of Norwich Public Utilities (NPU) to perform maintenance repair work on the Greenville Dam which is currently owned and operated by the NPU and is located off North Main St. (Rt. 12) on the Shetucket River in Norwich. The dam is 401 feet long. The East end section is constructed of a stone and masonry core wall, the center construction is wooden cribbed timbers with stone ballast covered with wooden sheathing, and the West end section is a fish lift. The upstream face is covered by wooden planking with granite coping along the crest, and wooden cribbed spillway along the downstream side. The center portion is of all wood crib construction.

The structure is located in the river and work is contingent upon the immediate and long-term weather forecast in order to perform work at low river level conditions. The contractor's attention to this condition is of greatest importance, as NPU cannot control the water levels in the river. NPU selects the areas of the dam that need repair on an annual basis. If the proposed work is on the upstream portion of the dam, a cofferdam system is required. Work on the down stream or spillway may not need a cofferdam system. The historical time to perform this work is July to September time frame.

The required work for the Dam consists of removing and replacing sections of the downstream face and or spillway planking as directed, replacing underlying cribbing as required, and replacing stone ballast material. On the upstream face of the dam, excavation will be required to install steel plates as directed. On the east and west abutment/spillway walls, mortar repair by hand/pressure grouting will be required. All the replacement materials required for the work will be provided by Norwich Public Utilities and all work performed will be directed by its engineer.

The proposed work for 2011 season is to repair approximately 1115 square feet of spillway planking, 655 square feet of vertical planking. The bid document refers to in-kind replacement of the timbers and cribbing. Approximately 2000 square feet of mortar repair on the East and West abutments, and approximately (6) 4X8 foot steel plates to be installed on the upstream side of the dam.

Due to the nature of this repair, the work must be performed at low river level conditions and is contingent upon the immediate and long term weather forecast therefore it is required the contractor upon award of contract, be

mobilized and ready to commence repair work for the Historical time period of this construction season 2011.

A. Types of Work

1. The Dam structure portion -All work necessary to remove and replace the upstream face planking, dam spillway planking, cribbing members, and stone ballast as directed by the engineer.
2. To insure the integrity of the dam during the repair work and in the best interest of public safety the contractor shall take emergency actions as necessary. The contractor will need to supply any staging, floating barge, or equipment required to work on the dam structure. This work shall include any temporary water diversions, pumping, dewatering operations, sheeting & shoring, sand bagging, and emergency action repairs as necessary.
3. This work shall include, but not limited to, all the labor, equipment, and tools necessary to complete the work in an acceptable manner to Norwich Public Utilities.

B. Dam spillway & vertical planking repair

1. Deteriorated spillway planking, shall be removed as indicated on the drawings or directed by the engineer. No more planking shall be removed than can be replaced in one days work due to possible damage to the dam if sudden flash flooding occurs. With the concurrence of the engineer, temporary provisions will be accepted for the covering of any open sections of the dam on a daily basis during the repair work. Spillway planking shall be removed in a manner that will not destroy other structural components of the dam.
2. After removal of spillway planking, or vertical planking all underlying areas, cribbing and stone ballast shall be inspected by the engineer, prior to replacement of new planking.
3. At the direction of the engineer underlying oak cribbing timbers shall be replaced. Cribbing members shall be removed without damaging other

members of the dam. Where cribbing timbers extend into the dam the timber shall be cut at a point where the integrity of the timber is acceptable to the engineer. The cut shall be a horizontal lap splice cut halfway through the timber extending 18" parallel to provide for attaching of the new timber. The new cribbing timber shall be joined together with steel pins, 20" long x 3/4" diameter to the existing underlying cribbing timber. The pinned connection shall be drilled completely through the new crib timber and extend approximately 3" into the existing underlying timber with a 5/8" diameter hole. The 3/4" chisel pointed pin shall then be driven into the drilled hole completely. Where the timbers are to be spliced together a lap splice shall be cut similar to the existing timber lap splice. The splice shall then be drilled and bolted together with 1/2" x 13" carriage bolts located 12" apart.

4. Stone ballast may be required to be removed and replaced to allow for cribbing repair. The stone ballast shall be removed and replaced in a manner that will not disturb the existing timbers. Additional stone ballast may also be required at areas of cribbing and planking repair. This ballast shall also be placed in a manner that will not disturb the existing timbers and planking.
5. New spillway planking shall be installed at all areas where cribbing repair, new ballast placement, and planking removal is required. New planking shall be cut to match the existing length in continuity with the adjacent area of the dam spillway. Planking shall be attached to the underlying cribbing with 1/2" x 10" square Diamond Head bolt spikes installed to conform to the existing pattern.

C. East & West Abutment wall mortar/pressure grouting repairs

1. Several areas on the East and West abutment/spillway walls are missing mortar. Mortar/grout to be supplied by the contractor. These areas to be repaired will be designated by the engineer.

D. Steel plate installation

1. On the upstream side of the dam, approximately six areas will need to be excavated to allow installation of steel plates. These areas will be designated by the engineer
2. These (6) 4'X8' steel plates will need to be attached using spikes to the front of the dam. Holes will need to be installed on these plates prior to installation.

#### E. Products

1. Repair work as listed in Sections B. and C shall be furnished and delivered to the site by Norwich Public Utilities. The materials supplied by NPU are listed in section E.2. All other associated products and materials required are the responsibility of the contractor to furnish and deliver
2. Supplied Products
  - i. 3" Thick Oak planking timbers of various lengths and widths.
  - ii. 8" x 10" Oak cribbing timbers of various length.
  - iii. 10" X 12" oak cribbing timbers of various length
  - iv. 1/2" x 10" square Diamond Head boat spikes.
  - v. 3/4" x 20" Chisel pointed pins.
  - vi. 1/2" x 13" Galvanized carriage bolts.
  - vii. 1/2" Galvanized nuts.
  - viii. Stone
  - ix. Ballast
  - x. 4' X 8' X 1/4" steel plates

#### F. Execution

1. The methods employed in performing the work and all equipment, tools, and machinery used in handling material and executing any part of the work shall be subject to the approval of the engineer before work is started and whenever found unsatisfactory, shall be changed and improved as required by the engineer. All equipment, tools, and machinery used shall be maintained in a satisfactory working condition.
2. The contractor shall employ a competent superintendent to over see and direct his employees at all times and to maintain communications between the contractor and the engineer.
3. The contractor shall employ experienced skilled laborers, and equipment operators and perform all work in a safe construction manner in accordance with any applicable OSHA safety regulations.

#### G. Definition of Labor-

1. Foreman- Person in responsible charge of the site construction work with skill and abilities to interpret plans and specifications, schedules and layout of the work and direct the work force at the job site.
2. Skilled Laborer- Individual who has the skills and abilities equivalent to that of a journeyman for all necessary work to be performed, such as pipe-fitter, mason, welder, truck driver, equipment operator, etc.

3. Laborer- Operates hand tools and provides assistance for the skilled laborer in all the work needed to be performed at the job site.
  4. Help to be Employed- The Contractor shall employ experienced foremen, and other workmen competent in the work in which they are to be engaged. All work shall be accomplished by able, skilled, and competent personnel. The contractor shall submit work history on all employees with their experience in the above-mentioned categories and any licenses that pertain. If any person employed on the work by the Contractor shall appear in the opinion of the City to be incompetent or unreliable in any way that person shall be discharged immediately upon the request of the City and shall not again be employed on the work, unless specifically authorized by the City in writing.
- H. Materials- Unless otherwise specified the Contractor warrants that all materials shall be new and of good quality. The Contractor shall, if required by the Owner, furnish samples or other satisfactory evidence as to the kind and quality of materials as directed by the Owner, and all materials thereafter furnished by the Contractor shall be in strict accordance with such approved samples.
- I. Safety and Health Standards- Successful bidders must demonstrate compliance with all applicable OSHA standards including without limitations the following standards:
- 29 CFR 1926.650 "Excavations-Scope, application, and definitions"
  - 29 CFR 1926.651 "Excavations-Specific Excavation Requirements"
  - 29 CFR 1926.652 "Excavations-Requirements for Protective Systems"
  - 29 CFR 1926.Subpart P Appendix F – "Selection of Protective Systems"
  - 29 CFR 1910.1200 "Hazard Communication"
  - 29 CFR 1910.146 "Permit Required Confined Spaces"

To demonstrate compliance, bidders must provide, prior to award of the contract, documentation supporting compliance with the above standards. This includes written company policy and procedure and Documentation of employee training and Equipment lists.

The Contractor is responsible for ensuring OSHA compliance, and his responsibility includes supervising and monitoring work site conditions for OSHA compliance. If the contractor uses subcontractors, the contractor is responsible for ensuring that the subcontractors fulfill their obligations with respect to employee safety, particularly including those, which affect the entire site. The contractor shall have a competent person on the job site when required by the OSHA standard. A Competent person in this context means one who is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

The City shall consider OSHA violations over the past five years in determining the ability of the Contractor to comply with OSHA requirements and in determining whether the contractor is an acceptable bidder.

If there has been an OSHA violation within the past five (5) years (measured from the date of the bid), the contractor shall provide copies of the citation(s), all documents regarding final determination of such citations including settlements or any explanations(s) of such violation(s).

- J. Permits, Licenses and Laws- The contractor shall obtain all necessary permits or licenses from the proper authorities and shall give all notices required by law or ordinance, and shall pay all fees and charges incident to the due and lawful prosecution of the work and shall comply with all laws, ordinances and regulations relating thereto.
- K. Disposal Site- All material excavated in the Project Area determined by the City to be unsuitable for use as backfill material or for fill within the Project Area, shall be disposed of at the Contractor's expense at an acceptable disposal area. Contractor is to supply a dumpster for all other debris that shall be removed from the Dam and to be disposed of at the Contractor's expense.
- L. Bidding- Minus bidding on any item is prohibited. Bids should be made on each separate item of work shown in the bid (Proposal) with reasonable relation to the probable cost of doing the work included in such item and the right is reserved to reject wholly any bid in case any item or items thereof are obviously unbalanced or appear to the City to be so unbalanced as to affect or to be liable to affect adversely any interests of the City. The attention of the bidder is called to the fact that unbalancing of bids may adversely affect the Contractor if certain portions of the work are increased or decreased as provided in the Contract Documents.

To have a valid bid, all items must be quoted.

All bidders shall complete and return the "Experience Sheet," which is attached to the bid.

This bid is for the 2011-2012 calendar years with a one-year extension negotiated at the option of the City.

- M. Right To Reject Bids- The City of Norwich reserves the right to reject any and all bids to waive any technicalities and to make such awards, including awards not to the lowest bidder, as it deems in its opinion to be the best interest of the City of Norwich, awards made by the City of Norwich shall be final and conclusive and without recourse or appeal by any remaining bidders.
- N. Representation Of Contractor- The contractor represents and warrants that he is financially solvent and that he is experienced and competent to perform the type

of work outlined on the specifications and drawings and that he has carefully examined the drawings and specifications along with addendum (or addenda), if any, and the site of the work, and that from his own investigations, he has satisfied himself as to the nature and location of the work, the character, quality and quantity of the surface and subsurface materials likely to be encountered, the character of equipment and other facilities needed for the performance of the work, the general and local conditions and all other materials which may in any way affect the work or its performance and that he is aware of the hazards involved in the work and the danger to life and property both evident and inherent and that he will conduct the work in a careful and safe manner without injury to persons or property. He further warrants that any injury to persons or property resulting from the work shall be the sole responsibility of the contractor.

- O. Contractor's Insurance- Each Bidder must be able to enter into contract, covering the work, within 10 days from the acceptance of his proposal. The successful bidder must, within 10 days from the date of acceptance of his proposal, file with the City, Workmen's Compensation, Comprehensive General Liability, Comprehensive Auto Liability, Certificates of Insurance satisfactory to the City, in compliance with the law, and in the following form and amount:

|   |                |
|---|----------------|
| Comprehensive General Liability                       |                |
| Premises – Operations – Products/Completed Operations |                |
| General Aggregate                                     | \$2,000,000.00 |
| Occurrence  | \$1,000,000.00 |
| Comprehensive Automobile Liability                    |                |
| Combined Single Limit                                 | \$1,000,000.00 |
| Workmen's Compensation                                | Statutory      |
| Employer's Liability                                  | \$100,000.00   |

Fire and Special Extended Coverage in Builder's Risk policy in the amount of 100% of insurable completed value

If subcontractors are employed, same limits as named above shall apply and the certificate of insurance must be filed with the City.

No contract shall be binding upon the City of Norwich until such bond shall have been given and until Comprehensive General Liability, Comprehensive General Auto Liability and Workmen's Compensation policy certificates indicated above have been filed with the City and approved as to form and sufficiency by the City. The insurance certificate policy provided by the successful bidder and all subcontractors shall carry a statement by the insurance company that the City of Norwich will receive at least ten (10) days prior to cancellation of any portion of the policies or any modifications in the insurance coverage that may affect the City's interest. The cost of all insurance coverage shall be included in the price of the contract cost.

The insurance company must be licensed to do business in the State of Connecticut and must be satisfactory to the City of Norwich. THE CITY OF NORWICH MUST BE NAMED AS ADDITIONAL INSURED.

- P. Payment Schedule- Contractor shall submit an invoice for their work under this contract within 30 days of work completion.
- Q. Indemnity of City by Contractor- The Contractor shall indemnify and save harmless the City against any all damages to property or injuries to or death of any person or persons, including property and employees or agents of the City, and shall defend, indemnify and save harmless the City from any and all claims, demands, suits, actions or proceedings of any kind or nature including workmen's compensation claims, of or by anyone whomsoever, in any way resulting from or arising out of the operations in connection herewith, including operations of subcontractors insurance coverage specified herein and in any special conditions constitutes the minimum requirements and said requirements shall in no way lessen or limit the liability of contractor under the terms of the contract. The contractor shall procure and maintain, at his own cost and expense, any additional kinds and amounts of insurance, which, in his own judgment may be necessary for his proper protection in the prosecution of the work. The contractor agrees to well and truly save and indemnify and keep harmless, the City against all liability, judgments, costs and expenses which may in any way come against the City or which may in any wise result from carelessness, omission or neglect of the contractor or his agents, employees or workmen in any way arising or resulting from the operation in connection herewith, including all liability to the City resulting from the failure to erect or maintain sufficient railing or fence as required by Section 13a-111, Connecticut General Statutes, and against all liability from defects claimed to be violation of Section 13a-149 Connecticut General Statutes. Any additional cost to this save harmless insurance coverage shall be included in the unit prices of the contract.
- R. Lights, Barriers, Watchmen, And Indemnity- The Contractor shall supply and erect and maintain such barriers, danger warning signals, and signs that will prevent accidents during the construction work and protect the work and insure the safety of personnel and the public at all times and places. The Contractor shall indemnify and protect the City in every respect from injury or damage whatsoever caused by any act of neglect by the contractor or his subcontractors, or their servants or agents, including any claims arising out of failure to erect and maintain sufficient railing or fence as required by Section 13A-111 Connecticut General Statutes from claims or defect in violation of 12A-14q Connecticut General Statutes.

If the Contractor, in the City's opinion, fails to provide a safe condition at the construction area, then the City may take control of the site and provide needed safety measures at the Contractor's expense.

The fact that the City may retain control of the premises, or that it or its agents may take action to erect or maintain railings or fences shall not relieve the Contractor's obligations hereunder.

The Contractor shall be responsible for excluding at all times from the land within the construction areas, all persons not directly connected with the work.

- S. Fire Precaution- The contractor shall take adequate precaution against fire; keep flammable material at an absolute minimum; and insure that such material is properly handled and stored.
- T. Pollution of Waters- Special care shall be taken to prevent contamination of the river and canal. No waste matter of any kind will be allowed to discharge into the river or canal.
- U. Interference With Existing Structures- Whenever it may be necessary to cross or interfere with existing structures needing special care, due notice shall be given to the City, and the work shall be done according to City's directions. Whenever required, all structures and utility facilities shall be strengthened to meet any additional stress that the work herein specified may impose upon it, and any damage caused shall be thoroughly repaired. If so directed by the City, the location of any existing structure shall be changed to meet the requirements of the new work per the City's requirements.
- V. Existing Utilities- The following utilities exist within the limits of the project; including but not exclusively, the following:
  - 1. Electric – Norwich Public Utilities (NPU)
  - 2. Telephone –AT&T

Before proceeding with construction operations, the Contractor shall contact Call-Before-You-Dig 1-800-922-4455 and shall make such supplemental investigations, including exploratory excavations by hand digging, as he deems necessary to uncover and determine the exact locations of utilities and structures and shall have no claims for damages due to encountering subsurface structures or utilities in locations other than those shown on the drawings, or which are made known to the Contractor prior to construction operations.

The Contractor shall be responsible for all damaged mains or utilities (facilities) caused by the Contractor during the progress of the work and shall be responsible for correcting all damages and the entire responsibility and expense shall be with the Contractor.

All Property and Utilities outside the project limits Damaged by the contractor shall be replaced or repaired by the Contractor to the complete satisfaction of the property Owner and/or the City, and at no additional expense to the City.

- W. Failure To Repair- If and when, in the opinion of the City, the Contractor is not initiating repair work as expeditiously as possible upon notification to do so, the City may, at the City's own option, make the necessary repairs using his own forces or those of others. The cost of such repairs shall be subtracted from the payments due to the contractor.
- X. Finishing And Cleaning Up- In completing his operations, the Contractor shall immediately remove all surplus material, tools, and other property belonging to him, leaving the entire street or surroundings free and clean and in good order, at no additional expense to the City. The Contractor shall exercise special care in keeping the rights-of-way and private lands upon which work is performed free and clean of all debris, and shall remove all tools and other property when they are not in use. The City may after 24 hours notice, cause the work to be done and the cost thereof deducted from any payment due to the Contractor.
- Y. Right of Access- Nothing herein contained or shown on the drawings shall be construed as giving the Contractor exclusive occupancy of the work area. The City or any other contractors employed by him, the various utility companies, contractors or subcontractors employed by State or Federal agencies, or any other agencies involved in the general-project or upon public rights-of-way, may enter upon or cross the area of work or occupy portions of the area as is directed or necessary.
- Z. Work By Others- The City reserves the right to do any work which may be connected with, or become a part of, or be adjacent to the work embraced by this contract, at any time, by contract or otherwise. The Contractor shall not interfere with the work of such others as the City may employ, and shall execute his own work in such a manner as to aid in the execution of the work of others as may be required.
- AA. Termination for Convenience- The City hereby reserves the right to terminate this contract for any reason the City deems appropriate.
- BB. Contractor To Lay Out His Own Work- The City will establish such general reference points as in his judgment will enable the Contractor to proceed with the work. The Contractor, at his own expense, shall provide all materials and equipment and such qualified helpers as the City may require for setting the general reference points and shall protect and preserve all stakes, benches, and other markers used to identify the reference points. The Contractor shall lay out all the Contract work from the above and shall be responsible for the accuracy of all lines, grades, and measurements.
- CC. Work Changes- The Owner may make changes by altering, adding to or deleting from the work, without invalidating the contract, but all such changes must be mutually agreed upon in writing, after a breakdown of estimated costs and changes in the contract sum attributable thereto and a statement of any

necessary changes in time of completion, between the Owner and the Contractor before proceeding with the execution of the work. Charges or credits for work covered by the approved change shall be either (a) an agreed lump sum or (b) actual cost.

DD. Claims For Extra Work- After the contract has been signed, no claims for extra work will be honored, unless authorized in writing by the Owner.

EE. Blasting- No blasting will be permitted.

FF. Power and Water- Should the contractor require electric power and/or water, he shall make necessary arrangements with the Owner for securing it and bear any expense involved, unless expressly provided for otherwise in the specifications.

GG. Toilet Accommodations- The Contractor shall provide necessary sanitary toilet accommodations maintained in a sanitary condition for the workmen. All toilet accommodations must be self contained.

HH. Miscellaneous:

1. The City will consider the Contractor as the prime contractor. In the event that a subcontractor is employed, to eliminate conflict of responsibility, the City will hold the Contractor responsible for the coordination of work; any damages caused by such work and guarantee the permanence of such work free from defect from a period of one year from completion date. Repairs made to this work within a year of completion date, will be billed to the Contractor.
3. Bidders shall complete and return "Experience Sheet" with this bid.
4. Selection will be made on the basis of Hourly Labor/Equipment prices, unit prices submitted, safety experience, worker qualifications and experience in utility construction, and repair work.
5. Successful bidder will be the prime contractor for all work, except for work to be done by the individual utility divisions.
6. Labor rates shown in the bid shall be based on a maximum 8 hours per day. Overtime, holidays or Sundays will be paid at 1.5 times the rates quoted.
7. The primary or successful bidder shall understand that in the event of so many projects occurring concurrently that their workers and equipment cannot handle them, or in the event that their workers and equipment are not available for any reason, the City reserves the right to call upon the second bidder for the use of their workers and equipment.

8. Bidder shall follow the city's **standard** start and end time for their workers and equipment. The Bidder must further indicate their company's policy for inclement weather, holidays, etc. City department hours as follows: NPU 8:00AM – 4:30PM (Summer hours: 7:00AM – 3:30PM, Memorial Day through Labor Day). NOTE 1. The work on the Greenville Dam structure is weather and season dependant due to these constraints the Hours of work need to be discussed with NPU and the contractor for staging of the work and the hours may not conform to the above mentioned regular hours of work.
9. A bid premium will be paid for work scheduled, at customer request, during non-standard working hours. The premium will be bid as a percentage increase of standard wage rates. Standard overtime rates will apply after 8 hours of shift work. Overtime work rate after 8 hours of shift work will be based on standard wage rates and will not include any "Off" hour premium(s).
10. Bidder's equipment shall be of good quality and it shall be maintained in good working condition so as to preclude any unnecessary breakdowns causing job holdups, as would be caused by improper maintenance. Therefore, the bidder shall as an integral part of this bid, list all equipment that is required for use on these jobs, whether portable or vehicular stating name manufacturer year model capacities and present condition. The City reserves the right to inspect the equipment before awarding the bid.
11. Bidder must attend the mandatory pre-bid meeting at the job site.

II. General Guarantee:

The Contractor shall guarantee his work for a period of One (1) year after the date of the NPU final inspection and acceptance by final payment. Contractor shall during that period repair promptly, at his own expense all breaks, failures or defects which develop in his work as a result of faulty material or workmanship.

If the Contractor, in the City's opinion, fails to provide a safe condition at the construction area, then the City may take control of the site and provide needed safety measures at the Contractor's expense.

The fact that the City may retain control of the premises, or that it or its agents may take action to erect or maintain railings or fences shall not relieve the Contractor's obligations hereunder.

The Contractor shall be responsible for excluding at all times from the land within the construction areas, all persons not directly connected with the work.

II. Contract Security

The Contractor shall furnish a Performance Bond and Payment Bond in the amounts equal to at least one hundred percent (100%) of the contract price as

security for the faithful performance of the Contract, and for the payment of all persons performing labor on the project under this contract and furnishing materials, equipment and all other incidentals in connection with this contract. The Surety on such a bond shall be a duly authorized surety company satisfactory to the Owner and the cost of the same shall be paid by the Contractor prior to the starting of any work, the bonds must be approved by the Owner and be in the Owner's hands. The bonds must be from a surety company licensed and approved to do business in the State of Connecticut.

**BID ITEMS**

All work shall be performed in accordance with the City's specifications, Norwich Public Utilities (NPU) Regulations, and all applicable Federal, State, and Local codes and Standards as amended.

A. Items included:

- Earth trench excavation
- Back-filling
- Sand
- Stone
- Gravel
- Compaction
- De-watering
- Cofferdam
- Concrete installed
- Erosion and sedimentation control
- All appropriate safety equipment

Work requests by the City not covered by the bid shall be negotiated between the City and successful bidder. A walk through of the proposed job shall be performed with the NPU engineer and the contractor. The contractor shall submit a written estimate to NPU before a notice to proceed will be given.

NPU shall measure all lengths for purposes of payment. Please see E.2 for material provided.

All quantities listed below are estimates only. Quantities may change once dam is exposed.

Pricing is for installation of material only. Material will be provided by NPU as stated in section E of this document. NOTE: Bidders must also fill in the Request for Quotation Page or their bid may be considered non-responsive.

| Item # | Item and Unit Price  | Estimate of<br>Quantity | Computed Total |
|--------|--|-------------------------|----------------|
| 1      | Spillway Planking at the<br>Square Foot price of<br><br>(\$ _____) | 1115                    | _____          |
| 2      | Vertical Spillway<br>Planking at the Square<br>Foot Price of       | 655                     | _____          |

|    |   |      |       |
|----|---|------|-------|
|    | (\$ _____)  |      |       |
|    | Cribbing at the Linear<br>Foot Price of                   | 1800 | _____ |
|    | (\$ _____)  |      |       |
|    | Cribbing Pin Connection<br>at the per Each price of       | 215  | _____ |
|    | (\$ _____)  |      |       |
|    | Cribbing Splice<br>Connection at the per<br>Each price of | 120  | _____ |
|    | (\$ _____)  |      |       |
|    | Stone Ballast at the<br>Cubic Yard price of               | 200  | _____ |
|    | (\$ _____)  |      |       |
|    | Cubic Yard of Concrete<br>installed                       | 10   | _____ |
|    | (\$ _____)  |      |       |
|    | Mortar repair per<br>square foot.                         | 2000 | _____ |
|    | (\$ _____)  |      |       |
|    | Pressure grout repair per<br>square foot                  | 2000 | _____ |
|    | (\$ _____)  |      |       |
| 10 | Excavate per cubic yard                                   | 50   | _____ |
|    | (\$ _____)  |      |       |

11 Steel plate installation  
each. 6 \_\_\_\_\_  
(\$ \_\_\_\_\_)

12. Premium paid for non  
standard working hours. % \_\_\_\_\_



