

**TOWN OF TRUMBULL
REQUEST FOR PROPOSAL**

WHITNEY AVENUE AT ROUTE 111 INTERSECTION IMPROVEMENTS

**RFP: #6327
DUE: January 18, 2019 @ 2:00 PM**

Addendum #1 Dated January 14, 2019

Bidders are hereby informed that the Bidding Documents for the above-mentioned Project are modified, corrected, and/or supplemented as follows. Addendum No. 1 becomes part of the Bidding Documents and Contract Documents.

Acknowledge receipt of this addendum by inserting its number in the Bid Proposal form. Failure to acknowledge receipt of the Addendum may subject the Bidder to disqualification.

This addendum is issued for questions that have come forth.

The attached Proposal Form pages 16 through 26 of 26 shall replace the proposal form in 6327 Bid-Pequonock River Trail Crossings.

The attached Special Provision Item # 0406275A – Fine Milling of Bituminous Concrete (0-4 inches) shall be added to the General and Technical Specifications.

All technical inquiries regarding this request may be directed to Tighe & Bond, Consulting Engineers (203) 712-110 or Frank Smeriglio, Town of Trumbull, Engineering Department, (203) 452-5050 fsmeriglio@trumbull-ct.gov. All other questions shall be directed to Kevin Bova (203) 452-5042 Kbova@trumbull-ct.gov.

**TOWN OF TRUMBULL
REQUEST FOR PROPOSALS
PEQUONNOCK RIVER TRAIL CROSSINGS**

RFP # 6xxx DUE: Month xx, 2018 at 2:00 PM

PROPOSAL

Proposal of _____ (hereinafter called "Proposer, Bidder"), organized and existing under the laws of the State of Connecticut, doing business as to the Engineering Department, Town of Trumbull, Connecticut (hereinafter called the "Owner").

In compliance with your Advertisement for Proposals, Proposer hereby proposes for the **PEQUONNOCK RIVER TRAIL CROSSINGS** project, in the Town of Trumbull, Connecticut together with all related incidental and appurtenant work as described in the specifications or outlined and/or shown on the exhibits. The work is to be done in strict accordance with the Specifications, Drawings and all Contract Documents, within the time set forth therein, and at the prices stated on the Proposal Schedule.

By submission of this Proposal, each Proposer certifies, that this Proposal has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this Proposal with any other Proposer or with any competitor.

Proposer further agrees that they will provide and sustain the required Bonds and Insurance Policies as required.

Proposer acknowledges receipt of the following Addendum:

Proposer understands that the Owner reserves the right to reject any or all proposals and to waive any informality in the bidding.

Proposer agrees that this proposal shall be good and may not be withdrawn for a period of ninety (90) calendar days after the scheduled closing time for receiving proposals.

Upon receipt of written notice of the acceptance of this proposal, proposer shall execute the formal contract attached within five (5) days and deliver a Surety Bond or Bonds as required in the General Conditions. The Bid Security attached in the sum of _____ Dollars (\$_____) is to become the property of the Owner in the event the contract and bond are not executed within the time above set forth, as liquidated damages for the delay and additional expense to the Owner caused thereby.

Company Name

By (Signature)

Address

Print Name

Email

Title

Date

Telephone/Fax

PROPOSAL – PEQUONNOCK RIVER TRAIL CROSSINGS (continued)

The undersigned hereby declares that in regard to all conditions affecting the work to be done and the labor and materials required, this proposal is based on his investigations and findings, and the Town of Trumbull and the Engineers and their officers, agents and employees shall not in any manner be held responsible for the accuracy of, or be bound by any estimates, borings, water or underground conditions relative to the proposed work, indicated in this or in the other contract documents; that no warranty or representation has been made by the Town of Trumbull or the Engineers or their officers, agents and employees as to subsurface soil or rock conditions, ground water, or other underground and similar conditions; nor has any representation or warranty been so made that the estimated quantities to be used for comparison of proposals will even approximate the actual quantities or materials and work which the Contractor may be required to furnish or perform.

BID FORM - Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

PEQUONNOCK RIVER TRAIL CROSSINGS
Base Bid
Whitney Avenue at Pequonnock River Trail

Item Number	Item Name and Unit Bid Prices Written in Words and Figures	Units	Quant.	Total Amount of Item (In figures)
0201001	Clearing and Grubbing, per Lump Sum, the price of: (\$)	LS	1	\$ _____
0202529	Cut Bituminous Concrete, per Lineal Feet, the price of: (\$)	LF	100	\$ _____
0651001	Bedding Material, per Cubic Yard, the price of: (\$)	CY	10	\$ _____
0923001	Permanent Bituminous Patch (5"), per Ton, the price of: (\$)	Ton	7	\$ _____
0944001	Furnishing and Placing of Topsoil, per Square Yard, the price of: (\$)	SY	10	\$ _____
0950199A	Turf Establishment (Lawn), per Square Yard, the price of: (\$)	SY	10	\$ _____

0970006A	Traffic Person (Municipal Police Officer), per Estimated, the price of: ten thousand and 00/100 dollars (\$ 10,000.00)	Est.	1	\$10,000.00
0971001A	Maintenance and Protection of Traffic, per Lump Sum, the price of: (\$)	LS	1	\$ _____
1001001	Trenching and Backfilling, per Lineal Foot, the price of: (\$)	LF	100	\$ _____
1001004	Rock-In-Trench (0-4' Deep), per Cubic Yard, the price of: (\$)	CY	5	\$ _____
1001004	Rock-In-Foundation Excavation, per Vertical Foot, the price of: (\$)	VF	5	\$ _____
1002203	Traffic Control Foundation Pedestal TYPE 1, Per Each, the price of: (\$)	Each	2	\$ _____
1008115	2" Rigid Metal Conduit - In Trench, per Lineal Foot, the price of: (\$)	LF	90	\$ _____
1008215	2" Rigid Metal Conduit – Under Roadway, per Lineal Foot, the price of: (\$)	LF	40	\$ _____

1010001	Concrete Handhole, per Each, the price of: (\$)	Each	1	\$ _____
1017032A	Service (metered), Per Lump Sum, the price of: (\$)	LS	1	\$ _____
1102010	12' Aluminum Pedestal, Per Each, the price of: (\$)	Each	2	\$ _____
1105503A	Pole Mounted Flasher Cabinet, Per Each, the price of: (\$)	Each	1	\$ _____
1107007A	Pedestrian Push Button and Sign (Piezo), Per Each, the price of: (\$)	Each	2	\$ _____
1117110A	Rectangular Rapid Flashing Beacon (RRFB) Type B, per Each, the price of: (\$)	Each	2	\$ _____
1206023A	Removal and Relocation of Existing Signs, per Lump Sum, the price of: (\$)	LS	1	\$ _____
1208931A	Sign Face - sheet Aluminum (Type IX Retro- reflective Sheeting), per Square Foot, the price of: (\$)	SF	44	\$ _____

1210105	Epoxy Resin Legend, Arrows & Markings, Per Square Foot, the price of: (\$ _____)	SF	160	\$ _____
1211001	Removal of Pavement Markings, Per Square Foot, the price of: (\$ _____)	SF	135	\$ _____
1800001A	Radar Speed Display Signs- Solar and Battery, Per Each, the price of: (\$ _____)	Each	2	\$ _____

TOTAL AMOUNT OF BASE BID:

_____ Dollars

In words

(\$ _____)

In figures

PEQUONNOCK RIVER TRAIL CROSSINGS
Alternate Bid
Route 111 at Old Mine Road

Item Number	Item Name and Unit Bid Prices Written in Words and Figures	Units	Quant.	Total Amount of Item (In figures)
0201001	Clearing and Grubbing, per Lump Sum, the price of: (\$)	LS	1	\$ _____
0202529	Cut Bituminous Concrete, per Lineal Feet, the price of: (\$)	LF	231	\$ _____
0406171	HMA S0.5 Bituminous Concrete, per Ton, the price of: (\$)	TON	22	\$ _____
0406275A	Fine Milling Bituminous Concrete (0-4 inches), per Square Yard, the price of: (\$)	SY	180	\$ _____
0651001	Bedding Material, per Cubic Yard, the price of: (\$)	CY	5	\$ _____
0811011	Concrete Curbing, per Lineal Feet the price of: (\$)	LF	35	\$ _____
0865200A	Inlaid Thermoplastic Pavement Marking System Crosswalk, per Square Feet the price of: (\$)	SY	55	\$ _____

0921001	Concrete Sidewalk, per Square Foot, the price of: _____ (\$)	SF	75	\$ _____
0921039	Detectable Warning Strip, per Each, the price of: _____ (\$)	Each	2	\$ _____
0923001	Permanent Bituminous Patch - State Road (9"), per Ton, the price of: _____ (\$)	Ton	6	\$ _____
0944001	Furnishing and Placing of Topsoil, per Square Yard, the price of: _____ (\$)	SY	65	\$ _____
0950199A	Turf Establishment (Lawn), per Square Yard, the price of: _____ (\$)	SY	65	\$ _____
0970006A	Traffic Person (Municipal Police Officer), per Estimated, the price of: ten thousand and 00/100 dollars (\$ 10,000.00)	Est.	1	\$ 10,000.00
0971001A	Maintenance and Protection of Traffic, per Lump Sum, the price of: _____ (\$)	LS	1	\$ _____
1001001	Trenching and Backfilling, per Lineal Foot, the price of: _____ (\$)	LF	50	\$ _____

1001004	Rock-In-Trench (0-4' Deep), per Cubic Yard, the price of: (\$)	CY	5	\$ _____
1001004	Rock-In-Foundation Excavation, per Vertical Foot, the price of: (\$)	VF	5	\$ _____
1002203	Traffic Control Foundation Pedestal TYPE 1, Per Each, the price of: (\$)	Each	3	\$ _____
1008115	2" Rigid Metal Conduit - In Trench, per Lineal Foot, the price of: (\$)	LF	5	\$ _____
1008215	2" Rigid Metal Conduit – Under Roadway, per Lineal Foot, the price of: (\$)	LF	50	\$ _____
1010001	Concrete Handhole, per Each, the price of: (\$)	Each	1	\$ _____
1102010	12' Aluminum Pedestal, Per Each, the price of: (\$)	Each	3	\$ _____
1107007A	Pedestrian Push Button and Sign (Piezo), Per Each, the price of: (\$)	Each	3	\$ _____

1117110A	Rectangular Rapid Flashing Beacon (RRFB) Type B, per Each, the price of: (\$)	Each	3	\$ _____
1206023A	Removal and Relocation of Existing Signs, per Lump Sum, the price of: (\$)	LS	1	\$ _____
1208931A	Sign Face - sheet Aluminum (Type IX Retro-reflective Sheeting), per Square Foot, the price of: (\$)	SF	67	\$ _____
1210105	Epoxy Resin Legend, Arrows & Markings, Per Square Foot, the price of: (\$)	SF	350	\$ _____
1211001	Removal of Pavement Markings, Per Square Foot, the price of: (\$)	SF	550	\$ _____

TOTAL AMOUNT OF ALTERNATE BID:

_____ Dollars
In words
(\$ _____)

TOTAL AMOUNT OF BASE BID and ALTERNATE BID:

_____ Dollars
In words
(\$ _____)

AWARD WILL BE BASED ON THE LOWEST RESPONSIBLE BIDDER OF EITHER BASE BID OR
BASE BID PLUS ALTERNATE #1.

PROPOSAL (continued)

Respectfully submitted,

Company Name

By (Signature)

Address

Print Name

Address

Title

(SEAL-if proposal is by a corporation)

Note: Insert Proposer's name. If a corporation, give the State of Incorporation using the phrase, "A corporation organized under the laws of _____

_____, composed of officers as follows:

President

Secretary

Vice President

Treasurer

If a partnership, give names of partners, using also the phrase, "co-partners trading and doing business under the firm name and style of _____, composed of partners as follows:

ITEM #0406275A - FINE MILLING OF BITUMINOUS CONCRETE (0 TO 4 INCHES)

Description: This work shall consist of the milling, removal, and disposal of existing bituminous concrete pavement.

Construction Methods: The Contractor shall remove the bituminous concrete material using means acceptable to the Engineer. The pavement surface shall be removed to the line, grade, and existing or typical cross-section shown on the plans or as directed by the Engineer.

The bituminous concrete material shall be disposed of offsite by the Contractor at an approved disposal facility unless otherwise stated in the Contract.

Any milled surface, or portion thereof, that is exposed to traffic shall be paved within five (5) calendar days unless otherwise stated in the plans or Contract.

The equipment for milling the pavement surface shall be designed and built for milling bituminous concrete pavements. 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.

The milling machine shall be equipped with a built-in automatic grade averaging 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, contact ski (30 feet minimum), non-contact ski (20 feet minimum), or mobile string line (30 feet minimum). The transverse controls shall have an automatic system for controlling cross-slope at a given rate. The Engineer may waive the requirement for automatic grade or slope controls where the situation warrants such action.

The machine shall be able to provide a 0 to 4 inch deep cut in one pass. The rotary drum of the machine shall use carbide or diamond tipped tools spaced not more than $\frac{5}{16}$ inch apart. The forward speed of the milling machine shall be limited to no more than 45 feet/minute. The tools 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.

When milling smaller areas or areas where it is impractical to use the above described equipment, the use of a lesser equipped milling machine may be permitted when approved by the Engineer.

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 drainage system, the Contractor shall take special care to prevent the milled material from falling into the inlet openings or inlet grates. Any milled material that has fallen into inlet openings or inlet grates shall be removed at the Contractor's expense.

Surface Tolerance: The milled surface shall provide a satisfactory riding surface with a uniform textured appearance. The milled surface shall be free from gouges, longitudinal grooves and ridges, oil film, and other imperfections that are a result of defective equipment, improper use of equipment, or poor workmanship. The Contractor, under the direction of the Inspector, shall perform random spot-checks with a Contractor supplied ten-foot straightedge to verify surface tolerances at a minimum of five (5) locations per day. The variation of the top of two ridges from the testing edge of the straightedge, between any two ridge contact points, shall not exceed $\frac{1}{4}$ inch. The variation of the top of any ridge to the bottom of the groove adjacent to that ridge shall not exceed $\frac{1}{4}$ inch. 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 Engineer.

The depth of removal will be verified by taking measurements every 250 feet per each pass of the milling machine, or as directed by the Engineer. These depth measurements shall be used to monitor the average depth of removal.

Where a surface delamination between bituminous concrete layers or a surface delamination of bituminous concrete on Portland cement concrete causes a non-uniform texture to occur, the depth of milling shall be adjusted in small increments to a maximum of $+\text{- } \frac{1}{2}$ inch to eliminate the condition.

When removing bituminous concrete pavement entirely from an underlying Portland cement concrete pavement, all of the bituminous concrete pavement shall be removed leaving a uniform surface of Portland cement concrete, unless otherwise directed by the Engineer.

Any unsatisfactory surfaces produced by the milling operation are the Contractor's responsibility and shall be corrected at the Contractor's expense and to the satisfaction of the Engineer.

No vertical faces, transverse or longitudinal, shall be left exposed to traffic unless the requirements below are met. This shall include roadway structures (catch basins, manholes, utility valve boxes, etc.). If any vertical face is formed in an area exposed to traffic, a temporary paved transition shall be established according to the requirements shown on the plans. If the milling machine is used to form a temporary transition, the length of the temporary transition shall conform to Special Provision Section 4.06 –Bituminous Concrete, "Transitions for Roadway Surface," the requirements shown on the plans, or as directed by the Engineer. At all

permanent limits of removal, a clean vertical face shall be established by saw cutting prior to paving.

Roadway structures shall not have a vertical face of greater than one (1) inch exposed to traffic as a result of milling. All structures within the roadway that are exposed to traffic and greater than one (1) inch above the milled surface shall receive a transition meeting the following requirements:

For roadways with a posted speed limit of 35 mph or less*:

1. Round structures with a vertical face of greater than 1 inch to 2.5 inches shall be transitioned with a hard rubber tapered protection ring of the appropriate inside diameter designed specifically to protect roadway structures.
2. Round structures with a vertical face greater than 2.5 inches shall receive a transition of bituminous concrete formed at a minimum 24 to 1 (24:1) taper in all directions.
3. All rectangular structures with a vertical face greater than 1 inch shall receive a transition of bituminous concrete formed at a minimum 24 to 1 (24:1) taper in all directions.

*Bituminous concrete tapers at a minimum 24 to 1 (24:1) taper in all directions may be substituted for the protection rings if approved by the Engineer.

For roadways with a posted speed limit of 40, 45 or 50 mph:

1. All structures shall receive a transition of bituminous concrete formed at a minimum 36 to 1 (36:1) taper in the direction of travel. Direction of travel includes both the leading and trailing side of a structure. The minimum taper shall be 24 to 1 (24:1) in all other directions.

For roadways with a posted speed limit of greater than 50 mph:

1. All structures shall receive a transition of bituminous concrete formed at a minimum 60 to 1 (60:1) taper in the direction of travel. Direction of travel includes both the leading and trailing side of a structure. The minimum taper shall be 24 to 1 (24:1) in all other directions.

All roadway structure edges and bituminous concrete tapers shall be clearly marked with fluorescent paint. The paint shall be maintained throughout the exposure to traffic.

The milling operation shall proceed in accordance with the requirements of the "Maintenance and Protection of Traffic" and "Prosecution and Progress" specifications, or other Contract requirements. The more stringent specification shall apply.

Prior to opening an area which has been milled to traffic, the pavement shall be thoroughly swept with a sweeper truck. The sweeper truck shall be equipped with a water tank and be capable of removing the millings and loose debris from the surface. The sweeper truck shall operate at a forward speed that allows for the maximum pickup of millings from the roadway surface. Other

sweeping equipment may be provided in lieu of the sweeper truck where acceptable by the Engineer.

Any milled area that will not be exposed to live traffic for a minimum of 48 hours prior to paving shall require a vacuum sweeper truck in addition to, or in lieu of, mechanical sweeping. The vacuum sweeper truck shall have sufficient power and capacity to completely remove all millings from the roadway surface including any fine particles within the texture of the milled surface. Vacuum sweeper truck hose attachments shall be used to clean around pavement structures or areas that cannot be reached effectively by the main vacuum. Compressed air may be used in lieu of vacuum attachments if approved by 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 "Fine 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; 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 or paved transition; removal and disposal of millings; furnishing a sweeper truck and sweeping after milling. The costs for these items shall be included in the Contract unit price.

Pay Item
Fine Milling of Bituminous Concrete (0 to 4 Inches)

Pay Unit
S.Y.