City of Torrington

ENGINEERING DEPARTMENT
(860) 489-2234

140 Main Street • City Hall
Torrington, CT 06790-5245
Fax: (860) 489-2550

ADDENDUM No. 1

DATE ISSUED: March 16, 2023

RE: REPLACEMENT OF VARIOUS CURBS AND SIDEWALKS – PROJECT 2023.4.1

BID # VCS 027-032223

All bidders are hereby advised of the following amendments to the Contract Bid Documents, which are hereby made an integral part of the specifications for the subject project, prepared by The City of Torrington, to the same extent as all other documents. All work shall conform to the standards and provisions of same.

Bids submitted shall be deemed to include the Contract Document information as shown in Addendum No. 1. General bidders shall notify sub-bidders that may be affected by this addendum as applicable. Bidders shall be required to acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form, Page BP-1. Failure to acknowledge this Addendum by the Bidder may result in the rejection of their bid. Bidders are directed to review changes to all portions of the work as changes to one portion may affect the work of another.

1. **Replace pages BF-1 through BF-4 of Bid Form – Exhibit "A" with the attached revised pages BF-1 through BF-4 noted as "Addendum #1". The following change is highlighted:**

    - **Item 0815001A 6" Bituminous Concrete Curbing is to be added to the bid items**

2. **Replace Technical Specification pages Item 0202000A & 0202529 with attached Item 0202000A & 0202529 – Addendum #1 – 3-16-2023.**

3. **Questions received by email March 13, 2023, 13:33.**

    - *6" bituminous concrete curbing is mentioned in the plans, but there is no pay item listed on the bid form. How is this item to be paid?*

        - **Please see the revised Bid Item list.**

    - *There is no pay item for Pavement markings, symbols and legends included on the bid form. How is this item to be paid?*

        - **Pavement marking work is not part of this contract and will be installed by others.**

    - *Curb detail 3.5B calls for saw cut 6" off gutter line, is this 6" to be filled with asphalt or is the curb line moving?*

        - **For clarification purposes, the intent of Detail 3.5B requires the new curb to be placed six (6") inches into the roadway.**

    - *Removal of curbing is not on the bid form but shows on plans and specs. How is this item to be paid?*

- **Section 5.07-03 & 04, if no other replacement work is being done around a catch basin or manhole structure, the removal and replacement is included in the cost of the structure.**

- **Removal of curbing will be paid for under Section 2.02 – Earth Excavation. Please see section 2.01.02, item 7 and 8.**

- *Is processed aggregate base for the sidewalks, to be paid under processed aggregate base or bituminous concrete sidewalk?*

  - **For clarification as per Section 9.20.4, item 3, the cost of the processed aggregate base shall be included in the price for the sidewalk or driveway.**

- *Is full depth removal and replacement of existing base materials expected or required?*

  - **For clarification, please see section 9.20.03, second and third paragraphs.**

BID # VCS 027-032223 REPLACEMENT OF VARIOUS CURBS AND SIDEWALKS – PROJECT 2023.4.2

END OF ADDENDUM No. 1

BID FORM - EXHIBIT "A"

March 16, 2023

Replacement of Various Curbs and Sidewalks - Project 2023.4.2

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
0201001A	**Clearing and Grubbing** for the price per **LUMP SUM** of _____Dollars _____Cents	1	_____	_____
0201214A	**Existing traffic and parking signs removed and reinstalled** for the price per **EACH** of _____Dollars _____Cents	50	_____	_____
0202000A	**Earth Excavation** for the price per **CUBIC YARD** of _____Dollars _____Cents	4,703	_____	_____
0202529A	**Cut Bituminous Concrete Pavement** for the price per **LINEAR FEET** of _____Dollars _____Cents	22,002	_____	_____
0304002A	**Processed Aggregate Base** for the price per **CUBIC YARD** of _____Dollars _____Cents	2,445	_____	_____
0406999A	**Asphalt Adjustment Cost** for the price per **ESTIMATED** of ten thousand _____Dollars _ zero _____Cents	1	$10,000.00 _____	$10,000.00 _____
0507001A	**Type C or CL Catch Basin Top (Supply Only)** for the price per **EACH** of _____Dollars _____Cents	22	_____	_____

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
0507701A	**Reset Catch Basin Top, Type C or CL** for the price per **EACH** of _____Dollars _____Cents	**22**	_____	_____
0586040	**New Catch Basin Structure with Top (0'-8')** for the price per **EACH** of _____Dollars _____Cents	**8**	_____	_____
0586650A	**Reset Manhole (Storm Sewer) Frame & Cover** for the price per **EACH** of _____Dollars _____Cents	**10**	_____	_____
0586651A	**Reset Manhole (Sanitary Sewer) Frame & Cover** for the price per **EACH** of _____Dollars _____Cents	**21**	_____	_____
0586705A	**Repair Existing Catch Basin or Manhole** for the price per **VERTICAL FEET** of _____Dollars _____Cents	**6**	_____	_____
0586780A	**Manhole Frame & Cover (Storm) Supply** for the price per **EACH** of _____Dollars _____Cents	**10**	_____	_____
0815001A	**6" Bituminous Concrete Curbing** for the price per **LINEAR FEET** of _____Dollars _____Cents	**1,145**	_____	_____

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
0821161A	**Extruded Concrete Curbing** for the price per **LINEAR FEET** of _____Dollars _____Cents	**14,046**	_____	_____
0921005A	**Concrete Sidewalk Ramps** for the price per **SQUARE FEET** of _____Dollars _____Cents	**2,752**	_____	_____
0921039A	**Detectable Warning Pad** for the price per **EACH** of _____Dollars _____Cents	**43**	_____	_____
0922001A	**Bituminous Concrete Sidewalk and Driveways** for the price per **SQUARE FEET** of _____Dollars _____Cents	**60,444**	_____	_____
0950005A	**Turf Establishment** for the price per **SQUARE YARD** of _____Dollars _____Cents	**8,881**	_____	_____
0970006A	**Traffic Person (Municipal Police Officer)** for the price per **ESTIMATED** of forty eight thousand seven hundred fifty Dollars zero Cents	**1**	$48,750.00	$48,750.00
0970007A	**Traffic Person (Uniformed Flagger)** for the price per **HOUR** of _____Dollars _____Cents	**750**	_____	_____

ITEM NO#	ITEM DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	TOTAL AMOUNT
0971001A	**Maintenance and Protection of Traffic** for the price per **LUMP SUM** of _____Dollars _____Cents	**1**	_____	_____
0975001A	**Mobilization and Demobilization** for the price per **LUMP SUM** of _____Dollars _____Cents	**1**	_____	_____
0980001A	**Construction Staking** for the price per **LUMP SUM** of _____Dollars _____Cents	**1**	_____	_____

TOTAL BID AMOUNT: $_____

SECTION 2.02
EARTH EXCAVATION

ITEM 0202000A EARTH EXCAVATION
ITEM 0202529A CUT BITUMINOUS CONCRETE PAVEMENT

2.02.01—Description: Earth excavation shall consist of the removal and satisfactory disposal, in the manner herein required, of all material taken from within the limits of the work contracted for, the removal of which is necessary for the construction of the roadway, subgrade, shoulders, slopes, entrances, retaining walls, gutters, channels and other miscellaneous construction to the dimensions and limits shown on the plans or as ordered.

Earth excavation shall include the formation of embankments, the disposal of excess or unsuitable material, removal of old foundations, concrete or masonry walls, crib walls, bin walls, stone wall fences or farm wall fences and filling of cellar or other holes, and in the absence of such items in the contract, the clearing and grubbing and the shaping and cleaning of slopes and of shoulders.

Earth excavation shall include the reuse of excavated material for backfilling of turf restoration areas requiring filling behind new curbing, filling in low areas and matching into existing grades where turf may or may not be required.

2.01.02—Materials:

1) Suitable material for roadway embankments, backfilling behind curbing, sidewalk and driveway subgrade shall be the material encountered during the course of construction as determined by the Engineer. Reclaimed roadway material shall be considered suitable material for use as roadway base and subbase and also for general backfilling.

2) Unsuitable material shall include debris, frozen material, organic matter, sod, topsoil, all wet or soft muck, peat, silt, clay or any other material which, as determined by the Engineer, will not provide sufficient support or maintain the completed construction in a stable condition.

3) Surplus material shall include reclaimed material removed to achieve design or existing grading and suitable excavated material that is deemed by the Engineer to be useful for reuse elsewhere within the project limits.

4) Reclaimed material as removed from the roadway after pulverization meeting the requirements of Section 4.03.02 shall be used as base and subbase material in roadway construction, grading, widening and general backfilling as earth backfill including behind new curbing and formation of embankments.

5) Millings materials as removed from the roadway after pulverization meeting the requirements of Section 4.03.02 shall be used as base and subbase material in backfill behind new curbing under sidewalks, under Turf Establishment in areas where sidewalks are removed, and formation of embankments.

6) Excess material shall be considered all material that cannot be reused within the project limits as base and subbase material in roadway construction, grading, widening and general backfilling including earth backfill including behind new curbing and formation of embankments.

7) Concrete curbing is to be removed to preserve the adjacent site conditions. A six (6”) inch saw cut is specified to facilitate removal and will be considered as part of the removal. The curbing may be dug, chipped, broken and otherwise excavated to preserve the adjacent pavement and site conditions for future work. Remove and dispose of the old curbing in an environmentally responsible manner.

8) Bituminous curbing is to be removed to preserve the adjacent site conditions. Additional pavement cutting will not be allowed for removal. The curbing may be dug, chipped, broken and otherwise excavated to preserve the adjacent pavement and site conditions adjacent to the work for future work. Remove and dispose of the old curbing in an environmentally responsible manner.

2.02.03—Construction Methods:

1. General

The Contractor shall perform all excavations of every description and of whatever substances encountered, to the widths and depths indicated on the Drawings and as otherwise specified. During excavations, material determined by the Engineer to be suitable for backfilling shall be piled in an orderly manner a sufficient distance from the banks of the stream to avoid overloading and to prevent runoff or slides. All excess excavated materials not required or unsuitable for backfill shall be removed and wasted away from the site. Care shall be taken not to over excavate below the depths indicated on the plans unless authorized by the Engineer. Unauthorized over depth excavations shall be backfilled at the Contractor's expense. If ledge is encounter it is anticipated that this material will not be removed and proposed grades may be adjusted by the Engineer to accommodate the ledge remaining in-place.

Excavation shall be made in conformity with the requirements of the plans and as ordered by the Engineer. The Contractor shall, when necessary in excavation areas, provide and maintain ditches which are adequate to prevent free water from becoming incorporated in material to be used to form embankments, such ditching to be at the sole expense of the Contractor.

2. Unsuitable Excavation

Whenever unstable soil, that is incapable of properly supporting the road structure, is encountered below the proposed subgrade of the roadway, as determined by the Engineer, such soil shall be removed and refilled with crushed stone material as hereinafter specified, placed in maximum 8-inch lifts and thoroughly compacted.

3. Use of Excavated Materials

To the extent they are needed, all suitable materials from the specified excavations shall be used in the construction of required permanent roadway widening, earth fill or boulder/rock fill. The suitability of materials for specific purposes will be determined by the Engineer. The Contractor shall not waste or otherwise dispose of suitable excavated materials.

4. Surplus Materials:

All surplus material shall be used where directed by the Engineer, to uniformly widen embankments, to flatten slopes, to fill low areas in the right of way, to widen roadway with surplus reclaimed material or for such other purposes as the Engineer may direct.

The Contractor shall use all surplus material immediately for backfill or where not operationally possible to do so, stockpile all suitable material for future reuse. When reclaimed roadway material is graded and compacted to the intended design grade or as directed by the Engineer and grading operations are completed, excess reclaimed material from roadways shall be deemed as surplus material and reused on the site.

Surplus material or earth excavation shall be loaded, transported, stockpiled, reloaded and placed for use in other locations within the entire project limits. This item applies to material loaded, and hauled either within the project or hauled and disposed of offsite.

5. Reclaimed Material

Reclaimed Material and any other material deemed surplus or as directed by the Engineer shall first and foremost be reused as needed for road widening, backfill or earth fill.

The contractor shall not dispose of surplus reclaimed material until all backfilling and earth fill requirements are is completed and to the satisfaction of the Engineer. If backfill locations are not operationally available or prepared for filling, the contractor shall stockpile the material for future use. If material cannot be stockpiled within the project limits, the contractor will be required to stockpile the material off site at a location provided by the contractor.

6. Placement of Embankment Material:

All excavated material and reclaimed material obtained within the limits of the Project shall be used in the formation of embankments as directed by the Engineer.

All excavated material including reclaimed roadway material or any other excavated material deemed suitable for reuse by the Engineer shall be loaded, transported, and placed for use as fill within the project limits as directed by the Engineer. This material may need to be stockpiled for future use which shall then be reloaded and use as required within the project limits.

When embankments are to be constructed on slopes steeper than 1:3, the slope of the existing ground on which the embankment is to be placed shall be plowed deeply or cut into steps before the filling is begun.

The depth of each layer, before compaction, shall not exceed 12 in except as permitted hereinafter by these specifications, or with the permission of the Engineer.

The embankment shall be crowned or pitched to provide drainage at the close of each day's operations.

Where filling in 12-in layers is impracticable, as in the case of filling in water or over slopes too steep for the operation of equipment, the embankment may be constructed in a single layer to the minimum elevation at which equipment can be operated, as determined by the Engineer; and above this elevation, the embankment shall be constructed as specified herein.

Earth slopes with a degree of slope from 2:1 to 5:1 shall be tracked unless the Engineer directs that they shall not be tracked. Tracking shall consist of traversing the slopes with cleated tracks so that the cleat indentations are horizontal. Where topsoil is to be placed on slopes, the tracking shall be done prior to the installation of the topsoil. Tracking is not to be construed to be used for slope compaction. Its sole purpose is to provide indentations in the slope to help reduce soil erosion. Other methods of achieving the desired results may be used, with the permission of the Engineer.

7. Compaction:

The entire area of each layer of the embankment and the subgrade in the excavated areas shall be uniformly compacted to at least the required minimum density by use of compaction equipment consisting of rollers, compactors or a combination thereof. Earth-moving and other equipment not specifically manufactured for compaction purposes will not be considered as compaction equipment.

The dry density after compaction shall not be less than 95% of the dry density for that soil when tested in accordance with AASHTO T 180, Method D. Each layer of the embankment and the subgrade shall be compacted at optimum moisture content. No subsequent layer shall be placed until the specified compaction is obtained for the previous layer

8. Roadway Widening:

Roadways shall be widened where the design width is greater than the existing width as shown on the contract design plans or as measured in the field or directed by the Engineer. Reclaimed roadway material shall be used as aggregate base and sub-base material in roadway widening locations. Reclaimed roadway material adjacent to the widening shall be used for and placed in excavated widening locations.

Surplus reclaimed material shall be moved from other location as required within the project limits or as directed by the Engineer shall and placed in excavated widening location.

9. Disposal Of Unsuitable Or Excess Material:

All material deemed by the Engineer as unsuitable or as deemed to be in excess of what can be used or placed within the project limits as fill or as roadway widening, shall be disposed of offsite by the contractor.

The City of Torrington does not guarantee nor imply any areas available for disposal of excess or unsuitable excavated material within project limits. The Contractor shall dispose of offsite all excavated material in excess of that which can be reused or placed within permitted project areas.

10. Maintaining Roadway Edge:

In the case where existing sidewalk is to be removed and curb is not installed on roads where the roadway is not being repaved, care should be taken to maintain the existing edge of the roadway. If the contractor damages the roadway they shall sawcut and patch the edge of the roadway at their own expense.

2.02.04—Method of Measurement:

Earth excavation will be measured as the actual number of cubic yards in place in its original position prior to excavation. Payment limit lines for unsuitable material excavation shall be the area designated by the plans, special provisions or as deemed by the Engineer as unsuitable material below the subgrade in cut sections, below the limits of

top soil in fill sections and beyond the bottom of trench as shown depicted on the construction details for trench excavation.

Top soil to be stripped is not considered unsuitable material for proposes of measurement for payment. Removal of topsoil will be considered part of the other payment items. Stripped top soil shall be stock piled and saved for use on the project or the City's use if requested. Any stockpiling, drying or re-excavation of material on the project shall not be measured for payment.

Excavation of roadway widening areas will be measured as the number of cubic yards of earth excavation as measured volume of material in place in its original position prior to excavation. The volume in place shall be calculated by measuring the length, widening width and depth in place prior to excavation as follows:

- The length shall be measured along the road gutter line where the design width is greater than the existing width as shown on the contract design plans or as measured in the field or directed by the Engineer.
- The side of road to be widened and the width of widening on each side of the road shall be determined from the proposed and existing widths as shown on the contract design plans or as directed by the Engineer. The width of excavation shall be 6 inches wider than the widening width required for the base lift asphalt.
- The depth of excavation shall be calculated as the average of the depth from the existing grade to the subgrade. The depth measured at the back of curb and depth measured at the back edge of widening shall be averaged.

Reclaimed material as excavated and loaded after the reclaiming process will be measured as recorded by truck load box volume. The volume measurement of each load shall be recorded on individual tickets per truck load as issued and signed daily in the field by authorized field inspectors as designated by the Engineer. Reclaimed material shall be paid under the work item for the appropriate Milling item.

Bituminous concrete pavement, bituminous concrete curb, concrete, granite, rubble, boulders, parts of or whole utility structures shall be separated and not be mixed with loads of excavation that is to be measured for payment as truck load box volume.

The removal, loading, stockpiling (on or off site), transporting (within and to and from the site), reloading, placing, filling behind curbing, filling under removed sidewalks where Sidewalks are not being replaced, filling in low areas, compacting or disposing of excavated material will be measured for payment only once during the initial excavation process.

Any material re-excavated from a stockpile or replacement as roadway base gravel or fill for backfilling behind curbing or in low fill areas or to match into existing slopes as required will not be measured for payment.

Curbing

The cutting of bituminous concrete pavement will be measured for payment as the number of linear feet of cut made by an approved method to the lines delineated on the plans or as directed by the Engineer. Cuts made necessary by the Contractor's operation, such as, but not limited to, patching, bituminous concrete samples, continuance of previous runs, faulty work, second cuts to extend work, or faulty materials will not be measured for payment. Bituminous parking areas are considered as bituminous concrete pavement.

If not otherwise part of a curbing repair program, the removal and disposal of curbing, driveways, or sidewalks as part of the repair of drainage structures are included but not limited to manholes or catch basins will not be measured for payment and shall be considered incidental to associated work items.

The removal of concrete or granite curbing shall be measured by the linear length of the curbing, times the average depth of the length of curbing section removed, times the top width of the curbing being removed. The six (6") inches of pavement removed shall be measured by the linear length along the curb by the depth of the pavement removed by six (6") inches specified. The bedding material removed around the curbing shall be considered incidental to the construction and not measured for payment.

As required prior to the Milling process, the removal of earth, topsoil, grass or organic materials covering existing bituminous concrete asphalt layers will not be measured for payment and shall be considered incidental to work item for Milling 0-8 Inches.

2.02.05—Basis of Payment:
Excavated materials as described herein will be paid for at the Contract unit price per cubic yard for “Earth Excavation.” The price shall include all equipment, tools and labor incidental to the completion of the excavation, loading, transporting, formation and compaction of embankments, reuse of surplus material within the project limits, and the disposal of excess or unsuitable material offsite in accordance with the provisions of the plans and of these specifications.

Unsuitable material excavation will be paid for at the contract unit price per cubic yard for "Earth Excavation", which price shall include all equipment, disposal, trucking, tools, supervision, labor and material incidental thereto.

Excavated material deemed by the Engineer to be unsuitable for use within the project limits and required to be disposed of offsite will be paid for at the Contract unit price per cubic yard for “Earth Excavation” which price shall include all materials, equipment, loading, transporting, tools and labor incidental thereto.

Cutting pavement as described herein will be paid for at the Contract unit price per linear foot for “Cut Bituminous Concrete Pavement.” The price shall include all equipment, tools and labor, dust control, water supply and collection, disposal, and incidentals to the completion of the cutting of the bituminous pavement within project limits, in accordance with the provisions of the plans and of these specifications.

PAY ITEM	**PAY UNIT**
EARTH EXCAVATION	Cubic Yard (C.Y.)
CUT BITUMINOUS CONCRETE PAVEMENT	Linear Feet (L.F.)

END OF SECTION