



April 7, 2023

To All Proposers:

Subject: **BID #: 7995-W3, Misc. Public Works – Resurfacing (M23-1) / DPWP**

**ADDENDUM NO. 1**

To Whom It May Concern:

With reference to our proposal request relative to the above subject, please refer to the changes/modifications/clarifications to the original proposal request.

- **PLEASE SEE ATTACHED GENERAL BID CLARIFICATIONS INCLUDING UPDATED UNIT PRICING SHEETS. PLEASE USE ATTACHED P-SHEETS WITH BID SUBMISSION.**

Proposers are requested to acknowledge and/or include this addendum with submission. All other terms, conditions and specifications remain unchanged.

Very truly yours,

Christopher J. Gagliastro  
Purchasing Director

BID #: 7995-W3  
Resurfacing M23-1

**ADDENDUM #1**

Date: 4/7/23

Project: Misc. Resurfacing (M23-1) – Bid # 7995-W3

City of Worcester Department of Public Works, Engineering Division

**Modifications to Contract Documents**

- 1) A new Bid Item sheet has been created. Items 130, 132, 436.01, and 900 have been added to the project.
- 2) Item #404 has been modified as follows:

The portion of materials passing the No. 40 sieve shall have a liquid limit not greater than 25 and a plasticity index not greater than 6. The reclaimed pavement borrow shall be compacted to a minimum of 95% of AASHTO T 180 proctor density. Liquid limits shall be determined by AASHTO T 90. If a location fails to meet the above compaction standards, this requirement may be waived at the discretion of the Engineer. Waiver of this requirement shall only be applicable for locations at which, in the opinion of the Engineer, the composition, nature, and/or physical characteristics of the existing underlying material are such that achieving 95% compaction would have a negative impact on the stability and/or structural integrity of the roadway. Waivers of the compaction requirement shall be issued on a location specific basis. Issuance of a waiver for one testing location does not extend the waiver of testing requirements to other locations along the same roadway. If a location is granted, Contractor shall compact sub-base to the satisfaction of Engineer.

Reclaimed pavement borrow material shall be processed by mechanical means and blended to form a homogeneous material. The equipment for producing crushed material shall be of adequate size and have sufficient adjustments to produce the desired materials. Blended materials that are stockpiled for more than 3 months shall be reworked to a uniform material and retested prior to use however, the Engineer may require additional testing any time the materials appear excessively hard, wet and/or segregated. The processed materials shall be stockpiled in such a manner as to minimize segregation of particle sizes. All reclaimed pavement borrow material shall come from approved sources and stockpiles. The amount of combined crushed asphalt pavement and crushed cement concrete shall not exceed 50% by volume as determined by visual inspection, and/or by laboratory tests required by the Engineer

**Response to Questions from AF Amorello (4/7/23)**

- 1) Please add an item for  $\frac{3}{4}$  stone for blending

Item # 103 (Crushed Stone  $\frac{3}{4}$  Inch) and Item #132 (Crushed Stone 1-1/2 Inch) have been added to the contract. Please see the bid item sheet for relevant quantities.

Part D of item 404 (Pulvi-Milling) states "Aggregate to correct gradation deficiencies shall be paid for at the contract unit price per ton for Item 130 Crushed Stone  $\frac{3}{4}$  Inch and/or Item 132 Crushed Stone 1-1/2 Inch, whichever is required to meet the gradation standards set forth above for Reclaimed Pavement

Borrow Material.” Please use Item 130 and Item 132 as necessary for correcting sub-base material gradation deficiencies.

- 2) We do not believe the gravel compaction spec under item 404 will be possible across the city due to the clay subgrade material constantly shifting.

See above.

- 3) Can you provide known locations for item 436, change the unit to SY, and provide a minimum mobilization quantity for the item?

The locations for Item 436 are the same as the water work items (see Question 5 below). This item is intended to be utilized for temporary paving of water service related excavations.

Item 436.01 will be used to install permeant patches. This item has been added to the bid item sheet. The unit for this item has been modified to square yard (SY). The minimum mobilization quantity for this item is 40 square yards (SY). A list of locations is provided below:

STREET	LIMITS
Belmont Street	Converse St to Plantation St
Airport Drive	Pleasant St to Mill St
Goddard Memorial Drive	Airport St to Apricot St
Lake Ave	Sunderland Rd to Coburn Ave

- 4) Item 436 describes multiple types of trench restorations. Would it be possible to separate those types into different items as they will take various amounts of time, materials, and equipment?

Item 436 remains unchanged.

For Item 436.01, the intent of the DPW&P is to use method 2 as a primary option when utilizing this item and only utilize method 1 when, in the opinion of the Engineer, the existing pavement is degraded to a condition such that method 2 would not adequately address the deficiencies of the existing pavement. It is the intent of the DPW&P to utilize this item at areas of previously patched pavement as well as areas of degraded asphalt which was not patched.

- 5) Can you provide streets that will call for water work?

Please see below:

STREET	DESCRIPTION OF WATER WORK
Brookshire Rd	Lower street service box (11), Install curb stop/service box (10)
Chesterfield Rd	Lower street service box (12), Install curb stop/service box (9)
Darrow St	Lower street service box (14), Install curb stop/service box (1)
Dewey St	Lower street service box (8), Install curb stop/service box (3)
Dorothy Ave	Lower street service box (2), Install curb stop/service box (2)
Fielding St	Lower street service box (18), Install curb stop/service box (8)
Irene St	Lower street service box (7), Install curb stop/service box (6)

Longfellow Rd	Lower street service box (44), Install curb stop/service box (36)
Marmion Ave	Lower street service box (7), Install curb stop/service box (7)
Minithorne St	Lower street service box (15), Install curb stop/service box (14)
Nelson Park Dr	Lower street service box (6), Install curb stop/service box (5)
Old Lincoln St	Lower street service box (2), Install curb stop/service box (1)
Piehl Ave	Lower street service box (23), Install curb stop/service box (14)
Pinecrest Dr	Lower street service box (14), Install curb stop/service box (8)
Romola Rd	Lower street service box (13), Install curb stop/service box (11)
Sandra Dr	Lower street service box (7)

6) Can you provide speed hump locations?

Please see below:

Alexander Rd

Murry Ave

Coolidge Rd

Moreland Green Dr

Beechmont St

Wooldand St

Crowningsheild Rd

Squantum St

Uxbridge St

# M23-1 MISCELANOUS 7995-W3

THE BIDDER MUST FILL IN THESE UNIT PRICES. Also carry out all extensions and fill in "Computed Totals."  
In case of error or discrepancies, UNIT PRICES govern and written works take precedence over figures.

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
104.0000 TREE REMOVAL (LESS THAN 24 INCHES) INCLUDING STUMP		
_____ Dollars	30.00	\$ _____
(\$ _____) EA		
106.0000 TREE REMOVAL (24 INCHES & OVER) INCLUDING STUMP		
_____ Dollars	51.00	\$ _____
(\$ _____) EA		
107.0000 STREET TREE REPLACEMENT		
_____ Dollars	67.00	\$ _____
(\$ _____) EA		
109.0000 STUMP REMOVED (GREATER THAN 24 INCHES)		
_____ Dollars	14.00	\$ _____
(\$ _____) EA		
113.0000 TREE PROTECTION		
_____ Dollars	22.00	\$ _____
(\$ _____) EA		
116.0000 EXCAVATION		
_____ Dollars	1,045.00	\$ _____
(\$ _____) CY		
125.0000 SAND BORROW		
_____ Dollars	163.00	\$ _____
(\$ _____) CY		
126.0000 GRAVEL BORROW		
_____ Dollars	1,302.00	\$ _____
(\$ _____) CY		
128.0000 SCREENED LOAM BORROW		
_____ Dollars	2,125.00	\$ _____
(\$ _____) CY		

**M23-1 MISCELANOUS**  
**7995-W3**

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
130.0000 CRUSHED STONE 3/4 INCH		
_____ Dollars	200.00	\$ _____
(\$ _____) CY		
132.0000 CRUSHED STONE 1-1/2 INCH		
_____ Dollars	200.00	\$ _____
(\$ _____) CY		
156.0000 SEEDING		
_____ Dollars	6,825.00	\$ _____
(\$ _____) SY		
225.0800 8 INCH CATCH BASIN CONNECTION		
_____ Dollars	100.00	\$ _____
(\$ _____) LF		
235.0000 CATCH BASIN FRAME & GRATE		
_____ Dollars	68.00	\$ _____
(\$ _____) EA		
236.0000 MANHOLE FRAME & COVER		
_____ Dollars	71.00	\$ _____
(\$ _____) EA		
242.0000 CATCH BASIN REBUILD "D" FRAME TO SQUARE FRAME		
_____ Dollars	21.00	\$ _____
(\$ _____) EA		
245.0000 GRANITE INLET STONE		
_____ Dollars	5.00	\$ _____
(\$ _____) EA		
245.1000 EXISTING GRANITE INLET STONE REMOVE & RESET		
_____ Dollars	73.00	\$ _____
(\$ _____) EA		
246.0000 8 INCH GREEN TRAPS		
_____ Dollars	31.00	\$ _____
(\$ _____) EA		

## M23-1 MISCELANOUS

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ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
249.0000 CATCH BASIN CLEANING		
_____ Dollars	84.00	\$ _____
(\$ _____) EA		
250.0000 MANHOLE FRAMES, REMOVE, PLATE & RETAIN		
_____ Dollars	145.00	\$ _____
(\$ _____) EA		
252.1000 MANHOLE ADJUSTMENT 12 INCH OR LESS GRAVEL		
_____ Dollars	117.00	\$ _____
(\$ _____) EA		
252.2000 MANHOLE ADJUSTMENT 12 INCH OR LESS RIGID		
_____ Dollars	1.00	\$ _____
(\$ _____) EA		
253.1000 MANHOLE ADJUSTMENT OVER 12 INCH GRAVEL		
_____ Dollars	32.00	\$ _____
(\$ _____) VI		
254.1000 CATCH BASIN ADJUST TO LINE AND/OR GRADE 12 INCH OR LESS, GRAVEL		
_____ Dollars	34.00	\$ _____
(\$ _____) EA		
254.2000 CATCH BASIN ADJUST TO LINE AND/OR GRADE 12 INCH OR LESS, RIGID		
_____ Dollars	1.00	\$ _____
(\$ _____) EA		
255.1000 CATCH BASIN ADJUST TO LINE AND/OR GRADE 12 INCH OR OVER, GRAVEL		
_____ Dollars	18.00	\$ _____
(\$ _____) VI		
301.0100 1" Polyethylene Tubing		
_____ Dollars	592.00	\$ _____
(\$ _____) LF		

## M23-1 MISCELANOUS

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ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
304.0300 ADJUST CURB STOP TO GRADE		
	Dollars	197.00 \$
(\$ ) EA		
304.0400 REPLACING 4" - 12" GATE VALVE BOX, GRAVEL BASE		
	Dollars	74.00 \$
(\$ ) EA		
304.0600 REMOVE AND RETAIN WATER BOX		
	Dollars	113.00 \$
(\$ ) EA		
304.0700 RETURN AND RESET WATER BOX		
	Dollars	68.00 \$
(\$ ) EA		
304.0800 WATER BOX ADJUST TO GRADE, GRAVEL BASE		
	Dollars	27.00 \$
(\$ ) EA		
304.1000 LOWER STREET SERVICE BOX		
	Dollars	180.00 \$
(\$ ) EA		
309.2000 Service Box and Curb Stop		
	Dollars	29.00 \$
(\$ ) EA		
309.3000 Service Box and Cut-in Curb Stop (3/4" - 1")		
	Dollars	87.00 \$
(\$ ) EA		
309.4000 Service Box and Cut-in Curb Stop (1 1/4" - 2")		
	Dollars	4.00 \$
(\$ ) EA		
310.6000 HYDRANT PAINTING		
	Dollars	26.00 \$
(\$ ) EA		



**M23-1 MISCELANOUS**  
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ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
314.3000 Dig and Plug Existing connection up to 2" in size		
_____ Dollars	4.00	\$ _____
(\$ _____) EA		
404.0000 PULVI-MILLING		
_____ Dollars	43,181.00	\$ _____
(\$ _____) SY		
405.0000 STRAIGHT CURB (VA-4)		
_____ Dollars	3,620.00	\$ _____
(\$ _____) LF		
408.0000 CIRCULAR CURB (10' RADIUS & OVER) (VA-4)		
_____ Dollars	150.00	\$ _____
(\$ _____) LF		
410.0000 CIRCULAR CORNER (WORCESTER STANDARD)		
_____ Dollars	45.00	\$ _____
(\$ _____) EA		
416.0000 CURB REMOVE AND RESET		
_____ Dollars	6,545.00	\$ _____
(\$ _____) LF		
418.0000 CURB REMOVAL & STACK		
_____ Dollars	10.00	\$ _____
(\$ _____) LF		
422.1000 SUPERPAVE 9.5 MM LEVEL 2		
_____ Dollars	4,808.00	\$ _____
(\$ _____) TN		
422.2000 SUPERPAVE 12.5 MM LEVEL 2		
_____ Dollars	5,436.00	\$ _____
(\$ _____) TN		
424.0000 BITUMINOUS CONCRETE DRIVEWAY & VARIOUS AREA		
_____ Dollars	243.00	\$ _____
(\$ _____) TN		

## M23-1 MISCELANOUS

7995-W3

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
426.0000 NEW BITUMINOUS CONCRETE SIDEWALKS		
_____ Dollars	36.00	\$ _____
(\$ _____) TN		
430.0000 EXISTING BITUMINOUS CONCRETE DRIVEWAY REPAIR		
_____ Dollars	3,352.00	\$ _____
(\$ _____) SY		
432.0000 EXISTING BITUMINOUS CONCRETE SIDEWALKS REPAIR		
_____ Dollars	1,132.00	\$ _____
(\$ _____) SY		
435.0000 HOT POURED RUBBERIZED ASPHALT SEALER		
_____ Dollars	10,978.00	\$ _____
(\$ _____) LF		
436.0000 RESURFACE TRENCHES TEMPORARY		
_____ Dollars	226.10	\$ _____
(\$ _____) SY		
436.0100 RESURFACE TRENCHES PERMANENT		
_____ Dollars	13,345.00	\$ _____
(\$ _____) SY		
438.0000 BITUMINOUS CONCRETE BERM MACHINE PLACED		
_____ Dollars	1,500.00	\$ _____
(\$ _____) LF		
438.5000 BITUMINOUS CONCRETE BERM REPAIR		
_____ Dollars	7,721.00	\$ _____
(\$ _____) LF		
441.0000 REPLACING BITUMINOUS CONCRETE SIDEWALK W/CONCRETE SIDEWALK 4 INCH		
_____ Dollars	970.00	\$ _____
(\$ _____) SY		

## M23-1 MISCELANOUS

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ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
442.0000 CONCRETE SIDEWALK REPAIR		
_____ Dollars	4,721.00	\$ _____
(\$ _____) SY		
442.1000 CONCRETE SIDEWALK REPAIR <25 L.F.		
_____ Dollars	8.50	\$ _____
(\$ _____) SY		
446.0000 CONCRETE DRIVEWAY REPAIR		
_____ Dollars	1,290.00	\$ _____
(\$ _____) SY		
446.1000 CLASS B CONCRETE FOR ROADWAY BASE (3,500 P.S.I. 1-1/2 520)		
_____ Dollars	441.00	\$ _____
(\$ _____) CY		
447.0000 MODULAR UNIT (BRICK) PAVER SIDEWALK		
_____ Dollars	30.00	\$ _____
(\$ _____) SY		
447.0200 EXISTING BRICK SIDEWALKS AND DRIVEWAYS WITH GRAVEL BASE – REMOVE & RESET		
_____ Dollars	55.00	\$ _____
(\$ _____) SY		
450.0000 BOUNDS, REMOVE & RESET		
_____ Dollars	11.00	\$ _____
(\$ _____) EA		
454.0000 WHEELCHAIR RAMP CEMENT CONCRETE - 6" THICK WITH DETECTABLE WARNING PANELS		
_____ Dollars	315.00	\$ _____
(\$ _____) SY		
456.0000 CONCRETE STEP (COMPLETE IN PLACE)		
_____ Dollars	11.00	\$ _____
(\$ _____) EA		

## M23-1 MISCELANOUS

7995-W3

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
457.0000 WOOD STEP		
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<hr/> Dollars	6.00	\$ <hr/>
(\$ <hr/> ) EA		
483.0000 REPLACING GAS BOX, GRAVEL BASE		
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<hr/> Dollars	38.00	\$ <hr/>
(\$ <hr/> ) EA		
485.0000 REMOVE AND RETAIN GAS BOX		
<hr/>		
<hr/> Dollars	72.00	\$ <hr/>
(\$ <hr/> ) EA		
486.0000 RETURN AND RESET GAS BOX		
<hr/>		
<hr/> Dollars	42.00	\$ <hr/>
(\$ <hr/> ) EA		
487.0000 GAS BOX ADJUST TO GRADE, GRAVEL BASE		
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<hr/> Dollars	11.00	\$ <hr/>
(\$ <hr/> ) EA		
502.0000 4 INCH REFLECTORIZED YELLOW LINE (THERMOPLASTIC)		
<hr/>		
<hr/> Dollars	2,380.00	\$ <hr/>
(\$ <hr/> ) LF		
503.0000 12 INCH REFLECTORIZED WHITE LINE (THERMOPLASTIC)		
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<hr/> Dollars	594.00	\$ <hr/>
(\$ <hr/> ) LF		
520.0000 WARNING AND REGULATORY SIGNS		
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<hr/> Dollars	44.00	\$ <hr/>
(\$ <hr/> ) EA		
522.0000 TYPE "B" STREET NAME SIGNS		
<hr/>		
<hr/> Dollars	27.00	\$ <hr/>
(\$ <hr/> ) EA		
523.0000 TRAFFIC SIGN POLES		
<hr/>		
<hr/> Dollars	42.00	\$ <hr/>
(\$ <hr/> ) EA		

M23-1 MISCELANOUS  
7995-W3

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
530.0000 POLE PAINTING		
<div><div></div><div>Dollars</div></div>	10.00	\$ <div></div>
(\$ ) EA		
900.0000 Lump Sum Reserve		
<div><div>FOUR HUNDRED EIGHTY THOUSAND</div><div>Dollars</div></div>		\$ 480,000.00
912.2022 INSTALLATION OF EXISTING SPEED BUMP		
<div><div></div><div>Dollars</div></div>	1,000.00	\$ <div></div>
(\$ ) LF		
913.2022 REMOVAL AND DELIVERY OF SPEED BUMP		
<div><div></div><div>Dollars</div></div>	667.00	\$ <div></div>
(\$ ) LF		

M23-1 MISCELANOUS  
7995-W3

TOTAL BID PRICE INCLUDING CONTINGENCY

\_\_\_\_\_ Dollars                      and                      \_\_\_\_\_ Cents  
(amount in words)

\$ \_\_\_\_\_  
(amount in figures)

This proposal is based on provisions of the following addenda:

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

No. \_\_\_\_\_

All amounts and totals given above will be subject to verification by the City. In case of variation between Unit Bid Price and Totals shown by the Bidder, the Unit Price written in words will be considered to be the bid.

The City reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interests of the City.

The above estimated quantities form an approximate statement of the extent of the work to be done, based upon the estimate of the Contracting Officer. The City does not expressly or by implication agree that the actual quantity of work will correspond therewith, but reserves the right to increase or decrease the quantity of any class or portion of the work, as may be deemed necessary by the Contracting Officer.