ADDENDUM No. 3

ITB No. 4617

BARTON DRIVE WATER MAIN REPLACEMENT AND RESURFACING PROJECT

Bids Due: APRIL 7, 2020 at 10:00AM (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any) and is appended thereto. **This Addendum include eleven (11) pages.**

Bidder is to acknowledge receipt of this Addendum No. 3, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these forms listed above upon bid opening may be rejected as non-responsive and may not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s) Change

BF-1 thru BF-4 As provided in ITB No. 4617 Bid Document:

Bid Form, Section 1 – Schedule of Prices as Page BF-1

As updated herein:

Bid Form, Section 1 – Schedule of Prices as Pages BF-1 thru BF-4.

Comment: The intent with this change is to correct quantities to "Machine Grading, Modified" provided in the ITB Document with the accurate Page BF-1 thru BF-4 provided herein. A new Excel Spreadsheet will not be provided, you will responsible to change this quantity if you use this spreadsheet to total your BID. Quantities should be entered on the Bid Forms, and the spreadsheet should not be used to submit your bid.

DS-57 As provided in ITB No. 4617 Bid Document:

Project Schedule as Pages DS-57 thru DS-58

As updated herein:

Project Schedule as Pages DS-57 thru DS-58

Comment: The intent with this change is to clarify that restorations items will be paid for separately provided in the ITB Document with the accurate Page DS-57 thru DS-58 provided herein.

DS-60 As provided in ITB No. 4617 Bid Document:

HMA Surface Remove as Pages DS-60 thru DS-61

As updated herein:

HMA Surface Remove as Pages DS-60 thru DS-61

Comment: The intent with this change is to clarify that restorations items will be paid for separately provided in the ITB Document with the accurate Page DS-60 thru DS-61 provided herein.

All mentions As provided in ITB No. 4617 Bid Document:

Construction Start Date: June 12, 2020

As updated herein:

Construction Start Date: As soon after the Contract award, scheduled for

May 4, 2020, has been signed and routed and Contractor insurance is up to date.

Comment: Due to the Governor's statement yesterday that school will not commence again this school season, we do not have to wait until June 12, 2020 to start. Note that all other dates are unchanged, therefore the calendar days allowed for the contract are increased, depending on when you get our insurance documents approved.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB. Bidders are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 51: Can you please define how the area/limits for machine grading is quantified/measured. Can consideration be given to change payment by Station?

Answer 51: Machine Grading was determined by polyline areas in AutoCAD to incorporate all areas of removals/disturbance (not including driveway removals or sidewalk grading, which are paid for separately.) This will remain as Syd. The quantity was adjusted in Bid Forms in Addendum 2 as 11,000 syd based on plan quantities. Quantities were since checked, and a new total is 11,250 syd. This reflected in attached bid forms.

Question 52: With the exception of the general notes on sheet two of the plans I do not see any silt fence or out on the plan sheets. Can additional information be added to the plan sheets depicting the locations and approximate lengths silt fence will be required for this project and inlet protection. Can consideration be given to remove

- silt fence and inlet protection from the general conditions and provide separate bid items?
- Answer 52: No, silt fence and inlet protection will remain in General Conditions. It is the practice of city project managers to use the DS Soil Erosion Control (DS-10) when quantities of silt fence is expected to be less than 1000 feet and inlet filters to be under 20 each, otherwise they will use individual pay items and omit the Soil Erosion Control DS.
- Question 53: Will the plans as prepared be sufficient to receive a SESC permit from the City of Ann Arbor?
- Answer 53: Yes, use the removal sheets 26-30.
- Question 54: On sheet 36 structure 92-57648 is called to be removed per the existing storm sewer structure removal table and is shown as an existing structure in the proposed storm sewer structure table. Please verify if the structure is to be reused and left in place or removed and replaced.
- Answer 54: Structure 92-57648 is meant to be left in place. The placement of that structure in the removal table and having a darker linetype in the profile were mistakes. Structure Adjustments may be needed.
- Question 55: There is a quantity of one for Bid Items #413 8" 90 Bend, #431 8" Cross, and #466 6" Gate Valve in Well. I cannot locate where there are located on the plans. Can you please consider removing the items from the bid proposal.
- Answer 55: These items are a place holder in case we go up Northside to replace the valve and hydrant on Northside. This will depend if further valves work and we not have to inconvenience many residents.
- Question 56: Will PC 350 DIP be allowed for this project? The bid form in the bidding documents is the only spot that mentions CL 50 DIP. City standard allow for PC 350.
- Answer 56: CL 50 DIP is requested.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

Company

Project: Barton Drive Water Main Replacement and Resurfacing Project

(Also to be entered on Page BF-4)

File # 2019-005 Bid # 4617

Item	<u>Description</u>	Unit	Estimated Quantity	Unit Price	<u>Total Price</u>
130	Protective Fencing	FT	1000	\$	\$
140	Exploratory Excavation (0-10' deep)	EA	4	\$	\$
201	Project Supervision, Max \$15,000.00	LS	1	\$	\$
202	General Conditions, Max. \$30,000.00	LS	1	\$	\$
203	Digital Audio Visual Coverage	LS	1	\$	\$
204	Minor Traffic Devices, Max \$20,000.00	LS	1	\$	\$
205	Clean-Up & Restoration, Special, Max \$10,000	LS	1	\$	\$
206	"No Parking" Signs	EA	40	\$	\$
207	Stump Removal, 8" or Larger, Modified	EA	5	\$	\$
208	Tree Trimming	EA	1	\$	\$
210	Remove Concrete Curb or Curb and Gutter - Any Type	FT	2750	\$	\$
211	Remove Concrete Sidewalk and Drive - Any Thickness	SFT	5200	\$	\$
212	Cold Milling HMA Surfce	SYD	2300	\$	\$
213	HMA Surface Remove	SFT	4500	\$	\$
214	Sidewalk Grading	STA	24	\$	\$
215	Sidewalk Ramp Grading	EA	19	\$	\$
216	Sewer, Any Size or Depth, Remove	FT	380	\$	\$
217	Drainage Structure, Any Size or Depth, Remove	EA	22	\$	\$
218	Additional Depth Structure Adjust/Repair	FT	2	\$	\$
219	Guardrail, Rem	FT	530	\$	\$
220	Remove Sanitary Sewer Lead	FT	20	\$	\$
221	Water Main Pipe Abandonment, Modified	LS	1	\$	\$
222	Fire Hydrant Assembly Abandonment	EA	1	\$	\$
223	Temporary Water Main Line Stop, Additional Rental Day	EA	4	\$	\$
224	Temporary Water Main Line Stop, Less than 8 inch	EA	2	\$	\$
225	Temporary 8 inch or 12 inch Water Main Line Stop	EA	2	\$	\$
	TOTAL THIS PAGE (BF-1)			\$	

BF-1

230	Machine Grading, Modified	SYD	11250	\$ \$
231	Subgrade Undercutting - Type II	CYD	750	\$ \$
232	Sand Subbase Course, Class II - C.I.P.	CYD	1400	\$ \$
233	21AA Limestone, C.I.P.	CYD	100	\$ \$
234	Aggregate Base Course, 21AA - C.I.P.	TON	2600	\$ \$
237	HMA Pavement Leveling/Top – LVSP	TON	2600	\$ \$
238	HMA Approach	TON	30	\$ \$
239	Handpatching	TON	45	\$ \$
240	Concrete Curb or Curb and Gutter - All Types	FT	1850	\$ \$
241	Concrete Curb or Curb and Gutter - All Types (High Early)	FT	400	\$ <u> </u>
242	4 Inch Concrete Sidewalk	SFT	7700	\$ \$
243	6 Inch Concrete Sidewalk or Sidewalk Ramp	SFT	1600	\$ <u> </u>
244	6 Inch Concrete Drive - High Early	SFT	3100	\$ \$
245	Detectable Warning, Cast In Place	SFT	200	\$ <u> </u>
246	Integral Sidewalk Retaining Wall, under 6 inch	SFT	20	\$ \$
247	Integral Sidewalk Retaining Wall, 6 inch to 18 inch	SFT	70	\$ \$
248	Integral Sidewalk Retaining Wall, 19 inch to 36 inch	SFT	20	\$ \$
250	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswalk	FT	710	\$ \$
251	Pavt Mrkg, Ovly Cold Plastic, 24 inch, Stop Bar	FT	50	\$ \$
252	Pavt Mrkg, Ovly Cold Plastic, Direction Arrow Sym, Bike	EA	3	\$ <u> </u>
253	Pavt Mrkg, Ovly Cold Plastic, Bike, Small Sym	EA	3	\$ \$
254	Pavt Mrkg, Ovly Cold Plastic, Sharrow Symbol	EA	4	\$ <u> </u>
255	Pavt Mrkg, Polyurea, 4 inch, White	FT	1500	\$ \$
256	Pavt Mrkg, Polyurea, 4 inch, Yellow	FT	6050	\$ \$
257	Pavt Mrkg, Polyurea, 6 inch, White	FT	2400	\$ \$
258	Recessing Pavt Mrkg, Longit	FT	9950	\$ \$
260	Pavt Mrg Cover, Type R, Black	FT	1725	\$ <u> </u>
261	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, White, Temp	FT	500	\$ \$
262	Pavt Mrkg, Wet Reflective, Type R, Tape, 4 inch, Yellow, Temp	FT	1100	\$ \$
263	Pavt Mrkg, Wet Reflective, Type R, Tape, 6 inch Crosswalk	FT	50	\$ \$
264	Pavt Mrkg, Wet Reflective, Type R, Tape, 24 inch Stop Bar	FT	11	\$ \$
265	Temporary Curb for Bump-out	FT	50	\$ \$
	TOTAL THIS PAGE (BF-2) (Also to be entered on page BF-4)			\$

266	Sign, Portable Changeable Message, Furnish and Operate	EA	4	\$ \$
267	Plastic Drum - Lighted, Furnish and Operate	EA	270	\$ \$
268	Barricade Type III - Lighted, Furnish and Operate	EA	35	\$ \$
269	Temporary Sign, Type B, Furnish and Operate	SFT	1000	\$ \$
270	Temporary Sign, Type B, Furnish and Operate, Special	SFT	132	\$ \$
271	Channelizing Device, 42 Inch, Furnish and Operate	EA	50	\$ \$
272	Pedestrian Type II Barricade, Temp	EA	32	\$ \$
273	Sign Cover	EA	10	\$ \$
274	Temporary Pedestrian Ramp	EA	2	\$ \$
275	Temporary Pedestrian Mat	EA	50	\$ \$
276	Audible Message Device	EA	4	\$ \$
280	Fertilizer, Chemical Nutrient, Cl A	LBS	90	\$ \$
281	Mulch Blanket, High Velocity	SYD	2150	\$ \$
282	Seeding, Mixture THM	LBS	100	\$ \$
283	Topsoil Surface, Furn, 4 inch	SYD	2150	\$ \$
284	Fire Hydrant Assembly	EA	1	\$ \$
285	Underground Sprinkling Systems, Restore	DLR	3000	\$ \$
290	Certified Payroll Compliance and Reporting	LS	1	\$ \$
295	6-Inch Wrapped Underdrain	FT	2150	\$ \$
320	12" CL IV RCP Storm Sewer Pipe, Trench Detail I	FT	440	\$ \$
353	4 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	10	\$ \$
354	6 inch SDR 35 PVC Sanitary Lead, Trench Detail I	FT	10	\$ \$
360	Type I Manhole, 60 inch Dia)-10' deep)	EA	1	\$ \$
366	Inlet-Junction Chamber	EA	3	\$ \$
367	Single Inlet	EA	20	\$ \$
400	6 inch Class 50 DIP w/polywrap, Trench Detail I	FT	21	\$ \$
401	8 inch Class 50 DIP w/polywrap, Trench Detail I	FT	1030	\$ \$
410	8" 11.25° Bend	EA	8	\$ \$
	TOTAL THIS PAGE (BF-3) (Also to be entered on BF-4)			\$

411	8" 22.5° Bend	EA	2	\$ \$
412	8" 45° Bend	EA	4	\$ \$
413	8" 90° Bend	EA	1	\$ \$
414	8" x 6" Reducer	EA	4	\$ \$
430	8" x 8" x 8" Tee	EA	4	\$ \$
431	8" x 8" x 8" x 8" Cross	EA	1	\$ \$
442	8" Gate Valve-in-Box	EA	1	\$ \$
446	6" Gate Valve-in Well	EA	1	\$ \$
447	8" Gate Valve-in Well	EA	3	\$ \$
460	Excavate & Backfill for Water Service Tap and Lead	FT	235	\$ \$
563	Structure Covers	LBS	2400	\$ \$
566	Adjust Structure Cover	EA	21	\$ \$
567	Adjust Monument Box or Gate Valve Box	EA	8	\$ \$
800	Celtic occidentalis, (Hackberry), 2 inch	EA	1	\$ \$
801	Syringa Volgaris (Lilac Bush)	EA	2	\$ \$
802	Acer rubrum, (Red Maple), 2 inch	EA	1	\$ \$
	TOTAL THIS PAGE (BF-4)			\$
	TOTAL FROM PAGE BF-1			\$
	TOTAL FROM PAGE BF-2			\$
	TOTAL FROM PAGE BF-3			\$
	TOTAL BASE BID			\$

DETAILED SPECIFICATION FOR ITEM #210 - REMOVE CONCRETE CURB OR CURB & GUTTER - ANY TYPE ITEM #211 - REMOVE CONCRETE SIDEWALK AND DRIVE - ANY THICKNESS

DESCRIPTION

This work shall consist of removing concrete curb, gutter, curb and gutter, integral curb, sidewalk, sidewalk ramps, drive openings, and drives as shown on the Plans, as detailed in the Specifications, and as directed by the Engineer, in accordance with Section 204 of the 2012 edition of the MDOT Standard Specifications for Construction, except as specified herein, and as directed by the Engineer.

CONSTRUCTION METHOD

The Contractor shall remove concrete curb, gutter, curb & gutter, integral curb, sidewalk, sidewalk ramps, drive openings, and drives, all regardless of the type and thickness, and all as shown on the Plans, as detailed in the Specifications, and as directed by the Engineer.

Prior to the start of removals, the Engineer and Contractor together shall field measure all removals.

The Contractor shall perform full-depth saw cutting at removal limits, including those necessary to construct 2-foot wide City of Ann Arbor Type M drive openings, and including those necessary to provide for the partial removal of existing drive approaches as shown on the Plans, as directed by the Engineer, and as marked for removal. The Contractor shall cut steel reinforcement bars as directed by the Engineer at all areas of removal.

The Contractor shall remove, salvage, deliver to W. R. Wheeler Service Center (4251 Stone School Road, Ann Arbor, MI 48108), and neatly stack/stockpile all bricks, if present, as directed by the Engineer.

The Contractor shall excavate, cut, remove stumps, remove brush, grade, and trim as needed and as directed, and shall import, furnish, fill, place, grade, and compact granular material as needed to: construct new concrete items; to repair or replace existing concrete items; to relocate existing concrete items to their new specified/directed elevations/locations, including all necessary grading at elevation changes of curb and gutter, sidewalks and ramps; and at locations where existing concrete items are to be removed and turf is to be established in its place.

The Contractor shall coordinate with the Urban Forestry and Natural Resources Planning Coordinator prior to the removal of any tree roots 2 inches or larger in size.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

The Contractor shall re-shape, re-grade, and re-compact the existing roadbed materials to the cross-section(s) as indicated on the Plans, as detailed in the Specifications, and as directed by the Engineer. The Contractor shall use blade graders, maintainers, vibratory rollers, and/or other equipment as necessary, and as directed by the Engineer. The use of each specific piece of equipment is subject to the approval of the Engineer.

The Engineer may direct aggregate base materials to be either removed from or added to the job-site, to properly complete the work. Where the Engineer directs the addition of such materials, they shall be paid for as either the Item of Work: "21AA Limestone - C.I.P.", "Aggregate Base Course, 21AA - C.I.P." or "Sand Subbase Course, CL II - C.I.P.". Where the Engineer directs such materials to be removed, they will not be paid for separately, but shall be included in the appropriate concrete removal item.

Where existing concrete curb & gutter is to be replaced on a street with a concrete (or brick) base, the Engineer may direct the Contractor to remove a 1-to-2-foot wide, full-depth section of pavement and

pavement base from immediately in front of the curb & gutter. As part of this pavement/base removal, the Contractor shall perform additional (double) full-depth saw-cutting along the entire removal limits, and shall take sufficient care so as not to damage and/or disturb any adjacent pavement, pavement base, and/or any other site feature, all as directed by the Engineer. The removals shall be to a sufficient width and depth to allow for the placement and removal of the curb & gutter formwork. After the removal of the formwork, the Contractor shall replace the concrete base to its original thickness and elevation(s).

Excavated/removal areas shall be adequately protected with barricades or fencing at all times.

Removed or excavated materials which are not incorporated into the work shall become the property of the Contractor and shall be immediately removed and properly disposed of off-site. Removed or excavated materials may not be stockpiled overnight on, or adjacent to, the site.

Subbase or subgrade removed without authorization by the Engineer shall be replaced and compacted by the Contractor at the Contractor's expense, with materials specified by the Engineer.

The Contractor shall restore all disturbed areas to better than or equal to their original condition. This includes the placement and compaction of 4 inches of topsoil, followed by placement of grass seed, followed by the placement fertilizer and mulch blanket at all turf restoration locations, and at locations where concrete items are removed and turf is to be established. All restoration work and materials shall be in accordance with the Detailed Specifications "Clean-up & Restoration, Special", "Fertilizer, Chemical Nutrient, Cl A", "Mulch Blanket, High Velocity", "Seeding Mixture THM", and "Topsoil Surface, Furn, 4 inch."

MEASUREMENT AND PAYMENT

Sidewalk ramp removal shall be measured and paid for as "Remove Concrete Sidewalk and Drive - Any Thickness".

Payment for saw cutting to create or modify Type M openings, and to allow for the partial removal of existing drives shall be included in the price of the item of work, "Remove Concrete Sidewalk & Drive - Any Thickness", and will not be paid for separately.

All saw-cutting required for removals shall be included in the appropriate item of work, and will not be paid for separately.

Restoration work, including backfilling and compacting will not be paid for separately, but shall be included in the appropriate associated items of work.

Concrete removal items shall be field measured and paid for at the Contract Unit Prices for their respective Contract (Pay) Items as follows:

PAY ITEM PAY UNIT

Remove Concrete Curb or Curb and Gutter - Any Type Remove Concrete Sidewalk and Drive - Any Thickness Foot Square Feet

The unit prices for these items of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification.

DETAILED SPECIFICATION FOR ITEM #213 – HMA SURFACE REMOVE

DESCRIPTION

This work shall consist of removing asphalt drive openings and drives as shown on the Plans, as detailed in the Specifications, and as directed by the Engineer, in accordance with Section 501 of the 2012 edition of the MDOT Standard Specifications for Construction, except as specified herein, and as directed by the Engineer.

CONSTRUCTION METHOD

The Contractor shall remove asphalt drive openings and drives, all regardless of the thickness, and all as shown on the Plans, as detailed in the Specifications, and as directed by the Engineer.

Prior to the start of removals, the Engineer and Contractor together shall field measure all removals.

The Contractor shall perform full-depth saw cutting at removal limits, as shown on the Plans, as directed by the Engineer, and as marked for removal.

At various times throughout the work, the Engineer may direct the Contractor to use smaller and/or lighter equipment, and to defer certain work tasks, in order to protect the grade and/or adjacent areas. The Contractor shall not be entitled to any additional compensation for the use of smaller equipment, lighter equipment, or work task deferral.

The Contractor shall re-shape, re-grade, and re-compact the existing driveway base materials to the cross-section(s) as indicated on the Plans, as detailed in the Specifications, and as directed by the Engineer. The Contractor shall use blade graders, maintainers, vibratory rollers, and/or other equipment as necessary, and as directed by the Engineer. The use of each specific piece of equipment is subject to the approval of the Engineer.

The Engineer may direct aggregate base materials to be either removed from or added to the job-site, to properly complete the work. Where the Engineer directs the addition of such materials, they shall be paid for as either the Item of Work: "21AA Limestone - C.I.P.", "Aggregate Base Course, 21AA - C.I.P." or "Sand Subbase Course, CL II - C.I.P.". Where the Engineer directs such materials to be removed, it will paid with "Subgrade Undercutting = Type II."

Excavated/removal areas shall be adequately protected with barricades or fencing at all times.

Removed or excavated materials which are not incorporated into the work shall become the property of the Contractor and shall be immediately removed and properly disposed of off-site. Removed or excavated materials may not be stockpiled overnight on, or adjacent to, the site.

Subbase or subgrade removed without authorization by the Engineer shall be replaced and compacted by the Contractor at the Contractor's expense, with materials specified by the Engineer.

The Contractor shall restore all disturbed areas to better than or equal to their original condition. This includes the placement and compaction of 4 inches of topsoil, followed by placement of grass seed, followed by the placement fertilizer and mulch blanket at all turf restoration locations. All restoration work and materials shall be in accordance with the Detailed Specifications "Clean-up & Restoration, Special", "Fertilizer, Chemical Nutrient, Cl A", "Mulch Blanket, High Velocity", "Seeding Mixture THM", and "Topsoil Surface, Furn, 4 inch."

MEASUREMENT AND PAYMENT

All saw-cutting to establish a neat line required for removals shall be included in the appropriate item of work, and will not be paid for separately.

Finish work, including backfilling and compacting will not be paid for separately, but shall be included in the appropriate associated items of work.

HMA Surface Remove items shall be field measured and paid for at the Contract Unit Prices for their respective Contract (Pay) Items as follows:

PAY ITEM PAY UNIT

HMA Surface Remove Square Feet

The unit prices for this item of work shall include all labor, material, and equipment costs to perform all the work specified in the Standard Specifications and as modified by this Detailed Specification and disposal of the HMA material.