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September 14, 2021

**Blendon Township
PORT SHELDON STREET – SHARED USE PATH
ADDENDUM No. 1**

Notice to All Prospective Bidders

This Addendum is issued in accordance with SECTION 00 20 00 - INSTRUCTIONS TO BIDDERS, and is hereby incorporated into the Contract Documents. The CONTRACTOR is reminded to acknowledge receipt of this Addendum in SECTION 00 42 00 - PROPOSAL.

Plans:

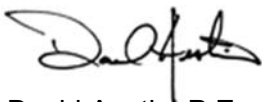
1. **Concrete Pathway** - Detail is added to the plan set (attached)

Specifications:

The following specification sections have been reissued in their entirety (unless otherwise noted):

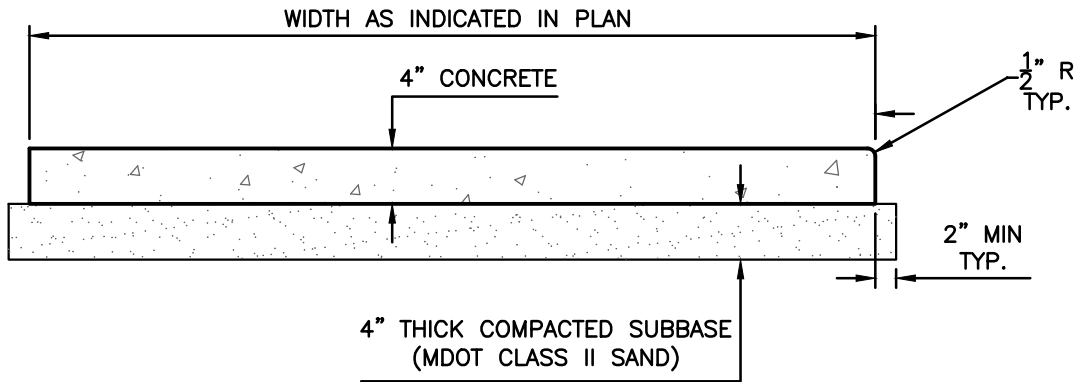
1. **SECTION 00 42 00 – BID FORM** - Replace this section in its entirety with the enclosed revision (2 pages). Includes Changes to:
 - **Item 25 – Bid Alternate 1 – Install Path as Concrete** – New bid item to allow for changes to Base Bid (Add / Deduct) to place surface as concrete instead of HMA.
2. **SECTION 01 11 00 – SUMMARY OF WORK** - Replace this section in its entirety. (1 page) Description changed to include reference to allowance of concrete surface as alternate to HAM surface.
3. **SECTION 01 20 00 – MEASUREMENT AND PAYMENT** – Replace this section in its entirety with the enclosed revision. (3 pages) Changes to:
 - **Item 25 – Bid Alternate 1 – Install Path as Concrete** – Added to include new bid item to allow for changes to Base Bid (Add / Deduct) to place surface as concrete instead of HMA.
4. **SECTION 03 30 00 – Cast in Place Concrete** – New Specification added. (2 pages)

Respectfully submitted,
Williams & Works



David Austin, P.E.

cc: Planholders of Record



CONCRETE PATH

NOT TO SCALE

Addendum No. 1

BLENDON TOWNSHIP
PORT SHELDON STREET SHARED USE PATH

ARTICLE 1-SCHEDULE OF PRICES

For the entire Work outlined in these Contract Documents complete as specified, using equipment and materials only of the type and manufacturers where specifically named, the following unit and lump sum prices:

| No | Description | Unit | Qty | Unit Price | Amount |
|----|------------------------------------|------|-------|------------|-----------|
| 1 | Mobilization Allowance | LS | 1 | \$ 10,000 | \$ 10,000 |
| 2 | Maintaining Traffic | LS | 1 | | |
| 3 | Erosion & Sedimentation Control | LS | 1 | | |
| 4 | Culv, Rem, Less than 24 inch | Ea | 3 | | |
| 5 | Culv, End, Rem, 24 inch to 48 inch | Ea | 1 | | |
| 6 | Shared Use Path Grading | Ft | 1,270 | | |
| 7 | Subgrade Undercutting (allowance) | Cyd | 185 | | |
| 8 | Embankment, CIP (allowance) | Cyd | 1,800 | | |
| 9 | Geogrid (allowance) | Syd | 556 | | |
| 10 | Sub-Base (allowance) | Cyd | 45 | | |
| 11 | Curb and Gutter, Rem | Ft | 20 | | |
| 12 | Curb and Gutter, Conc, Det B2 | Ft | 32 | | |
| 13 | Culv, CI A, Conc, 24" | Ft | 20 | | |
| 14 | Culv, CI A, Conc, 36" | Ft | 28 | | |
| 15 | Culv, CI A, CSP, 12" | Ft | 158 | | |
| 16 | Culv End Sect, Conc, 24 inch | Ea | 1 | | |
| 17 | Culv End Sect, Conc, 36 inch | Ea | 2 | | |
| 18 | Culv End Sect, Metal, 12 inch | Ea | 6 | | |
| 19 | _Leaching Basin, 48 inch dia | Ea | 2 | | |
| 20 | Dr Structure Cover, Type G | Ea | 2 | | |
| 21 | Underdrain, Bank, 12 inch | Ft | 114 | | |
| 22 | HMA, 36A | Ton | 205 | | |
| 23 | Riprap, Plain | Syd | 10 | | |
| 24 | Slope Restoration, Type _ | Syd | 1,411 | | |

Total Base Bid _____

25. Bid Alternate 1 - Install Path as Concrete (L.S) 1 Add / Deduct _____
(circle one)

ARTICLE 2-MATERIAL AND EQUIPMENT ALTERNATES

The Contract Documents stipulate that the Base Bid price shall include materials and equipment selected from the designated items and manufacturers listed therein. This is done to establish uniformity in bidding and to establish standards of quality for the items named.

If the BIDDER wishes to quote alternate items for consideration by the OWNER, he may do so under this Article. A complete description of the item and the proposed price differential are to be provided. Unless approved at the time of award, substitutions, where items are specifically named, will be considered only in accordance with the terms set forth in the General Conditions.

| <u>Item No.</u> | <u>Description</u> | <u>Add/Deduct Amount (Dollars)</u> |
|-----------------|--------------------|--|
|-----------------|--------------------|--|

ARTICLE 3-TIME ALTERNATE

If the BIDDER takes exception to the time(s) stipulated in Article 3 - Contract Time of the Agreement, he is requested to stipulate below his proposed time for performance of the Work. Consideration will be given to time in evaluating bids.

ARTICLE 4-SUBCONTRACTOR LISTING

Bid is submitted on the basis of the use of the following Subcontractors:

| WORK ITEM | FIRM | CITY |
|-----------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Please note if work is to be performed by BIDDER. Failure to list Subcontractors with the Bid waives BIDDER'S rights to a change in Contract Time or Price or withdrawal of Bid and Bid Security; in the event OWNER has reasonable objection to any Subcontractor.

OWNER shall have the right to reject any Subcontractor for reasonable cause. If Subcontractors are not identified in the Bid, the BIDDER/CONTRACTOR shall engage a Subcontractor acceptable to OWNER and waives the right to withdraw Bid and Bid Security, and further, waives right to a change in Contract Time or Price due to failure to list.

PART 1 - GENERAL

1.01 SECTION INCLUDES:

- A. Measurement and payment criteria applicable to the Work.

1.02 AUTHORITY:

- A. Measurement methods delineated in the individual specification sections are intended to complement the criteria of this section.
- B. The ENGINEER will take all measurements and compute quantities accordingly.
- C. Assist by providing necessary equipment, workers, and survey personnel as required.

1.03 UNIT QUANTITIES SPECIFIED:

- A. Quantities and measurements indicated in the Bid Form are for bidding and contract purposes only. Quantities and measurements supplied or placed in the Work and verified by the ENGINEER shall determine payment.
- B. If the actual Work requires more or fewer quantities than those quantities indicated, provide the required quantities at the unit prices contracted.

1.04 MEASUREMENT OF QUANTITIES:

- A. Measurement Devices:
 - 1. Weigh Scales: Inspected, tested and certified.
 - 2. Platform Scales: Of sufficient size and capacity to accommodate the conveying vehicle.
 - 3. Metering Devices: Inspected, tested and certified.
- B. Measurement by Weight: Concrete reinforcing steel, rolled or formed steel or other metal shapes will be measured by handbook weights. Welded assemblies will be measured by handbook weights.
- C. Measurement by Volume: Measured by cubic dimension using mean length, width and height or thickness.
- D. Measurement by Area: Measured by square dimension using mean length and width or radius.
- E. Linear Measurement: Measured by linear dimension, at the item centerline.

1.05 PAYMENT:

- A. Payment Includes: Full compensation for all required labor, products, tools, equipment, plant, transportation, services and incidentals; erection, application or installation of an item of the Work; overhead and profit.
- B. Final payment for Work governed by unit prices will be made on the basis of the actual measurements and quantities accepted by the ENGINEER multiplied by the unit price for Work which is incorporated in or made necessary by the Work.

1.06 MEASUREMENT AND PAYMENT SCHEDULE:

- A. The following schedule outlines the method of measurement and basis of payment to be used on this project. Requirements for materials and methods described under each unit price are included in the specification sections.
 - 1. **Mobilization Allowance** - Will be paid as a lump sum allowance in the amount stated in the Bid Form. Includes the movement of personnel, equipment, supplies, and incidentals to the project site; The maximum amount that will be paid is stated on the bid form.

2. **Maintaining Traffic:** Will be measured and paid as a lump sum and includes all necessary signing, flagging, traffic regulators, drums, and barricades to safely maintain traffic and protect the work site during the duration of the project per the requirements of the specifications and of the Ottawa County Road Commission permit to be obtained by the CONTRACTOR..
3. **Erosion & Sedimentation Control:** Paid for as a lump sum and includes all equipment, materials, and labor required for construction, maintenance, and removal of the erosion control and sediment filtration items including silt fence, Inlet Protection, and necessary best management practice items.
4. **Culv, Rem, Less than 24 inch:** Measured and paid for by each culvert removed.
5. **Culv, End, Rem, 24 inch to 48 inch:** Measured and paid for by each culvert end section removed.
6. **Shared Use Path Grading:** Paid for as a lump sum. Payment includes all removals within the confines of the Shared Use Path Grading limits or as otherwise shown on the plans (see Specification **Section 02 30 33 – Shared Use Path Grading**), excavation of existing soils as necessary, as well as placement of required embankment and sand subbase and aggregate base material ready to receive HMA surfacing. Includes compaction, material hauling, spoil and stockpiling. Includes tree and stump removal. Does not include culvert removals which are paid for separately.
7. **Subgrade Undercutting (allowance):** If required, as specified by the ENGINEER, measured and paid for by the cubic yard. Includes the cost of removal and disposal of unsuitable material, and replacement with required material.
8. **Embankment, CIP (allowance):** Only to be used where authorized by the ENGINEER for areas outside of the defined grading limits on the plans if needed. Measured and paid for by the cubic yard compacted in place. Payment for Embankment required for the Shared Use Path included in **Shared Use Path Grading** and not paid for separately.
9. **Geogrid (allowance):** If required, measured and paid for by the square yard placed as directed by the ENGINEER.
10. **Sub-Base (allowance):** Only to be used where authorized by the ENGINEER for areas outside of the defined grading limits on the plans if needed. Measured and paid for by the cubic yard.
11. **Curb and Gutter, Rem:** Measured and paid for by the foot. Includes removal and disposal
12. **Curb and Gutter, Conc, Det B2:** Measured and paid for by the foot.
13. **Culv, CI A, Conc, 24"**
14. **Culv, CI A, Conc, 36"**
15. **Culv, CI A, CSP, 12"**
Culv, CI ____, (material), ____ inch: Measured and paid for by the lineal foot of culvert installed. Includes excavation, dewatering, providing and placing the culvert and geotextile strip, providing temporary cover and restraining the pipe to maintain line and grade, providing, placing, and compacting backfill, disposal of excess material. If extending a pipe culvert, cast a concrete collar at least 3 inches thick and extending 6 inches on each side of the joint. Wrap the connecting joint with a 36-inch wide geotextile strip centered on the joint. The cost of extending a pipe culvert will be included and will not be paid for separately. Includes cost of connecting to existing culvert.
16. **Culv End Sect, Conc, 24 inch**
17. **Culv End Sect, Conc, 36 inch**
18. **Culv End Sect, Metal, 12 inch**
Culv End Sect, (material), ____ inch: Measured and paid for by each end section placed. Includes the cost of providing and placing the end section.

19. **Leaching Basin, 48 inch dia:** Counted and paid for by the unit by the structure diameter, including casting, installed and backfilled, regardless of whether the structure has a sump and/or flat top.
20. **Dr. Structure Cover, Type G:** Measured and paid for by each unit place.
21. **Underdrain, Bank, 12 inch:** Measured horizontally on the surface along the pipe centerline from center to center of structures and paid for by the linear foot by the pipe size, regardless of pipe material and classification, installed and backfilled, item includes driveway culverts of same size.
22. **HMA, 36A:** Paid for by the ton for the mix specified, compacted and accepted. Measured by tallying load tickets. Submit all load tickets to ENGINEER at time of delivery. Estimated quantities based on 275#/syd.
23. **Riprap, Plain:** Measured and paid for by the square yard. Includes the cost of providing and placing the geotextile liner, excavating and disposing of surplus materials, and constructing riprap headers and trenches.
24. **Slope Restoration, Type _:** Measured by the area placed and paid for the square yard including: labor, equipment, and materials to install topsoil surface; fertilizer, chemical nutrient, Class A; Seeding mixture; and Mulch Blanket which will not be paid for separately but is included in the unit price.
25. **Bid Alternate 1 - Install Path as Concrete:** Will be paid for as a lump sum Add or Deduct to the Base Bid to install a 4 inch concrete surface in lieu of the HMA surface included in the Base Bid. Add / Deduct to include increase in sand subbase material and decrease in aggregate base material included in the **Shared Use Path Grading** pay item.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

PART 1 - GENERAL

1.01 DESCRIPTION:

- A. The work includes all cast-in-place concrete.

1.02 REFERENCES:

- A. MDOT 2012 Standard Specifications for Construction

1.03 SUBMITTALS: Provide certification of Mix Design to ENGINEER prior to placing.

- A. Proposed mix design prepared by an approved independent testing firm for each class of concrete. Select proportions according to ACI 301, Section 3.9. Approval of mix is required prior to placement of concrete.

PART 2 - PRODUCTS

2.01 MATERIALS:

- A. Concrete: MDOT Concrete, Grade P1, (3500 psi at 28 days, 5.5 sack mix), no water shall be added at site.
- B. Premolded Joint Filler: Exterior: ASTM D1751, non-extruding, bituminous.
- C. Curing Compound (REQUIRED): ASTM C309. Sodium silicate compounds are prohibited.

2.02 PROPORTIONING CONCRETE:

- A. Proportions and Materials: Per ACI 301, Chapter 3.
 - 1. Minimum Cement Content: 5.5 sacks/cu. yd. for 3500 psi.
 - 2. Maximum Water-Cement Ratio: 5.5 gal./sack (0.44).
 - 3. Entrained Air Content: 5-8%.
 - 4. Maximum Slump: 3-1/2."
 - 5. Minimum Compressive Strength, fc' (28 day): 3500 psi unless indicated on Drawings.
- B. Admixtures: Approval of ENGINEER required. Use in accordance with the manufacturer's instructions.
- C. If the CONTRACTOR intends to place concrete by pumping, the mix design shall be prepared in accordance with these specifications and the recommendations of ACI 304.

2.03 FABRICATING REINFORCEMENT:

- A. Fabricate in accordance with approved shop drawings and ACI 315.
- B. Reinforcing Splices: Class B unless otherwise shown.

PART 3 - EXECUTION

3.01 PERFORMANCE:

- A. In accordance with the requirements of ACI 301, Chapters 4 thru 13, 17 and 18.

3.02 FIELD QUALITY CONTROL & TESTING: By OWNER thru ENGINEER.

3.03 CURING AND PROTECTION:

- A. Begin curing immediately after concrete is finish broomed. Protect concrete from premature drying and from excessively hot or cold temperatures.

- B. Concrete surfaces not in contact with soil or permanent structure shall be cured by the following method:
 - 1. Application of curing compound in accordance with manufacturer's recommendations.
 - 2. Cure areas covered by forms immediately upon form removal.
 - C. Protect freshly cast concrete from damage (including but not limited to incidental, accidental and malicious).
- 3.04 EMBEDDED ITEMS:
- A. Accurately locate embedded items and hold in place with forms or templates prior to placing concrete.

END OF SECTION