

SECTION 00920

ADDENDUM

Muskegon County Drain Commissioner
141 East Apple Avenue
Muskegon, MI 49442

ADDENDUM NO. ____1____

DATE: ____July 17, 2020____

ENGINEER: Eng., Inc.
16930 Robbins Road Suite 105
Grand Haven, MI 49417

Drawing Revision No: _N/A_

Drawing Sheets Issued Herewith: __N/A__

Bids Due: __12:30 p.m., Monday, July 20, 2020__ Issued to all Plan Holders

This Addendum is part of the Contract Documents and modifies the previously issued Bidding Documents. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may result in rejection of the Bid.

ITEM NO. 1 – ADDITIONAL PAY ITEM

SECTION 00314: Bid.

Add Item No. 41 – Traffic Control, Part Width Construction, Lump Sum, Quantity 1. See Addendum No. 1 Bid included in this addendum; Bidder must use this Addendum No. 1 Bid section to submit Bid.

SECTION 01028: Measurement and Payment.

Add Item No. 41 – Traffic Control, Part Width Construction, Lump Sum. See Section attached for description of item.

END OF ADDENDUM NO. 1

SECTION 00314

ADDENDUM NO. 1 BID

Bid of _____ hereinafter called Bidder, organized and existing under the laws of or a resident of the State of _____, doing business as _____.*
*Insert as applicable: “a corporation”, “a partnership” or “an individual”.

To Muskegon County Drain Commissioner, hereinafter called OWNER.

1. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER in the form included in the Contract Documents to perform and furnish all Work for the Black Creek Consolidated Drain – Division No. 1 as specified or indicated in the Contract Documents for the Contract Price and within the Contract Times indicated in the Bid and in accordance with the other terms and conditions of the Contract Documents.
2. Bidder accepts all of the terms and conditions of the Notice of Letting of Drain Contract and Instructions to Bidders including, without limitation, those dealing with the disposition of Bid security. This Bid will remain subject to acceptance for 120 days after the day of bid opening. Bidder will sign and submit the Agreement and the Bonds and other documents required by the Bidding Documents within 15 days after the date of OWNER’s Notice of Award.
3. In submitting this Bid, Bidder represents, as more fully set forth in the Agreement, that:

- A. Bidder has examined and carefully studied the Bidding Documents and the following Addenda receipt of all which is hereby acknowledged:

<u>Date</u>	<u>Addendum Number</u>
<u>July 17, 2020</u>	<u>1</u>
_____	_____

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and site conditions that may affect cost, progress, performance and furnishing of the Work.
- C. Bidder is familiar with and is satisfied as to all federal, state and local laws and regulations that may affect cost, progress, performance and furnishing of the Work.
- D. Bidder has carefully studied all reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) if identified in Section 00800: Supplementary Conditions as provided in paragraph 4.02 of Section 00700: General Conditions. Bidder accepts the determination set forth in paragraph SC-4.02 of Section 00800: Supplementary Conditions of the extent of the “technical data” contained in such reports and drawings upon which Bidder is entitled to rely as provided in paragraph 4.02.1 of Section 00700: General Conditions. Bidder acknowledges that such reports and drawings are not Contract Documents and may not be complete for Bidder’s purposes. Bidder acknowledges that OWNER and ENGINEER do not assume responsibility for the accuracy or completeness of information and data shown or indicated in Bidding Documents with respect to Underground Facilities at or contiguous to the Site.
- E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all such additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface and Underground Facilities) at or contiguous to the Site or otherwise which may affect cost, progress, performance or furnishing of the Work or which relates to any aspect of the means, methods, techniques, sequences and procedures of construction to be employed by Bidder and safety precautions and programs incident thereto. Bidder does not consider that any additional examinations, investigations, explorations, tests, studies or data are necessary for the determination of the Bid for performance and furnishing of the Work in accordance with the times, price and other terms and conditions of the Contract Documents.
- F. Bidder is aware of the general nature of Work to be performed by OWNER and others at the Site that relates to Work for which this Bid is submitted as indicated on the Contract Documents.

- G. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings if any are identified in the Contract Documents and all additional or supplementary examinations, investigations, explorations, tests, studies and data with the Contract Documents.
- H. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities or discrepancies that Bidder has discovered in the Contract Documents and the written resolution thereof by ENGINEER is acceptable to Bidder, and the Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work for which this Bid is submitted.
- I. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham bid; Bidder has not solicited or induced any person, firm or corporation to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other bidder or over OWNER.

4. Bidder will complete the Work for the following unit prices:

Unit Price Schedule

Item No.	Item Description	Unit	Estimated Quantity	Unit Price	Amount
1	Culv, Rem, Over 48 inch	EA	1.0	\$	\$
2	Culv, End, Rem, Over 48 inch	EA	2.0	\$	\$
3	Fence, Rem	FT	130.0	\$	\$
4	Pavt, Rem	SYD	170.0	\$	\$
5	Guardrail, Rem	FT	300.0	\$	\$
6	Culv, Precast Conc Box, 14 foot by 8 foot	FT	88.0	\$	\$
7	Culv, Precast Conc Wingwall	EA	4.0	\$	\$
8	Culv, Conc Cutoff Wall	EA	2.0	\$	\$
9	Culv, Conc Apron	EA	2.0	\$	\$
10	Maintain Stream Flow	LSUM	1.0	\$	\$
11	Riprap, Heavy	SYD	155.0	\$	\$
12	Riprap, Heavy, Toe Protection	SYD	100.0	\$	\$
13	Machine Grading	STA	0.5	\$	\$
14	Subbase, CIP, 18 inch	CYD	85.0	\$	\$
15	Aggregate Base, 6 inch	SYD	170.0	\$	\$
16	Shoulder, CL II, 6 inch	SYD	90.0	\$	\$
17	HMA, 4E1	TON	45.0	\$	\$
18	HMA, 5E1	TON	25.0	\$	\$
19	Pavt Mrkg, Waterborne, 4 inch, White	FT	100.0	\$	\$

20	Pavt Mrkg, Waterborne, 4 inch, Yellow	FT	25.0	\$	\$
21	Recessing Pavt Mrkg, Longit	FT	100.0	\$	\$
22	Centerline Corrugation, Milled, HMA	FT	50.0	\$	\$
23	Guardrail, Reconst, Type B	FT	220.0	\$	\$
24	Guardrail, Reconst, Type TD	FT	80.0	\$	\$
25	Guardrail Post, Furn and Install, 84 inch	Ea	20.0	\$	\$
26	Barricade, Type III, High Intensity, Lighted, Furn	Ea	16.0	\$	\$
27	Barricade, Type III, High Intensity, Lighted, Oper	Ea	16.0	\$	\$
28	Plastic Drum, High Intensity, Furn	Ea	50.0	\$	\$
29	Plastic Drum, High Intensity, Oper	Ea	50.0	\$	\$
30	Sign, Type B, Temp, Prismatic, Furn	Sft	750.0	\$	\$
31	Sign, Type B, Temp, Prismatic, Oper	Sft	750.0	\$	\$
32	Sign, Portable, Changeable Message, Furn	EA	2.0	\$	\$
33	Sign, Portable, Changeable Message, Oper	EA	2.0	\$	\$
34	Surface Restoration, Modified	SYD	250.0	\$	\$
35	Mulch Blanket	SYD	250.0	\$	\$
36	Erosion Control, Check Dam, Stone	FT	20.0	\$	\$
37	Erosion Control, Maintenance, Sediment Removal	CYD	20.0	\$	\$
38	Erosion Control, Silt Fence	FT	100.0	\$	\$
39	Mobilization, Max (10%)	LSUM	1.0	\$	\$
40	Minor Traf Devices	LSUM	1.0	\$	\$
41	Traffic Control, Part Width Construction	LSUM	1.0	\$	\$

Total Amount (numbers) \$ _____

Total Amount (words) _____ dollars.

- Bidder agrees that the Work will be substantially complete on or before September 15, 2021 and completed and ready for final payment in accordance with paragraph 14.07 of Section 00700: General Conditions on or before October 15, 2021. Once work has been initiated at the site, work shall be substantially complete within 60 calendar days and completed and ready for final payment within 90 calendar days.

Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work on time.

6. The following documents are attached to and made a condition of this bid:
 - A. Required bid security.
7. Communications to Bidder concerning this Bid shall be addressed to the address indicated below.
8. The terms used in this Bid which are defined in the General Conditions of the construction Contract, included as part of the Contract Documents, have the meanings assigned to them in Section 00700: General Conditions.

SUBMITTED on _____, 20 __
Date*

BY: _____
Name of Bidder*

Street*

Signature

City, State, and Zip*

Name and Title of Signatory*

Telephone Number*

*Typed or printed in ink.

END OF SECTION

SECTION 01028

MEASUREMENT AND PAYMENT - UNIT PRICE WORK

PART 1 - GENERAL

1.01 SUMMARY:

- A. Section includes:
 - 1. This Section includes, but is not necessarily limited to, descriptions of the method of measurement and the basis of payment for Unit Price Work under this Contract as indicated on the Drawings, as specified herein, and as necessary for the proper and complete performance of the Work.
- B. Related Sections:
 - 1. Documents affecting work of this Section include, but are not necessarily limited to:
 - a. General Conditions, Supplementary Conditions and Sections in Division I of these Specifications.
- C. Basis of Contract payments:
 - 1. Final Contract Price shall be determined by actual quantities installed at unit prices stated in CONTRACTOR's Bid.
 - 2. ENGINEER shall determine actual as-built quantities.
 - 3. All work not included as a Bid item shall be considered incidental to construction.
 - 4. Unit price payments for individual items shall include everything necessary for such item to function as intended in the system.
 - 5. OWNER reserves the right to increase, decrease or eliminate any quantities for items listed in CONTRACTOR's Bid or which become a part of the Contract Documents.
- D. Items included as incidental to unit prices for systems and appurtenances:
 - 1. The unit price payment for all underground systems and appurtenance items shall include, but not be limited to:
 - a. Clearing, excavating, trenching, bedding, trench backfill, disposal of items for clearing and unsuitable or excess excavated materials.
 - b. Drainage and dewatering of excavation.
 - c. Temporary sheeting, bracing and shoring of excavations.
 - d. Support, relocation, replacement, connection or reconnection of existing pipelines and utilities.
 - e. Cleanup and surface restoration.
 - f. Appurtenances except such items which are included as Bid items.
 - g. Jacking pits, casing pipes, tunnel liners or similar protective methods.

1.02 REMOVALS AND ADJUSTMENTS:

- A. Item No. 1 – Culv, Rem, Over 48 inch.
 - 1. Includes: All excavation, removal, disposal off-site of existing precast concrete box culverts as indicated for removal on the Drawings or encountered during construction in accordance with Section 203 of the MDOT 2012 Standard Specifications for Construction. Existing storm sewer removed within the same trench as new storm sewer (if 12 inches or smaller) is considered incidental to this pay item. Item also includes backfilling and compaction of the area required for the removal of the box culvert.
 - 2. Unit of measure: Each.
- B. Item No. 2 – Culv, End, Rem, Over 48 inch.
 - 1. Includes: All excavation, removal, disposal off-site of existing concrete wingwalls, aprons, and cutoff walls as indicated for removal on the Drawings or encountered during construction in accordance with Section 203 of the MDOT 2012 Standard Specifications for Construction
 - 2. Unit of measure: Each.
- C. Item No. 3 – Fence, Rem.
 - 1. Includes: Removal and disposal of fences as indicated on the Drawings.
 - 2. Unit of measure: Foot.

- D. Item No. 4 – Pavt, Rem.
 - 1. Includes: Removal and disposal of pavement as indicated on the Drawings in accordance with Section 205 of MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Square yard.
 - E. Item No. 5 – Guardrail, Rem.
 - 1. Includes: Removal and disposal of concrete box culvert in accordance with Section 204 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Foot.
- 1.03 CULVERT APPURTENANCES:
- A. Item No. 6 – Culv, Precast Conc Box, 14 foot x 8 foot.
 - 1. Includes: Furnishing and installation of 14 foot by 8 foot precast concrete box culvert in accordance with the Special Provision and Section 406 of MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Foot.
 - B. Item No. 7 – Culv, Precast Conc Wingwall.
 - 1. Includes: Furnishing and installation of precast concrete culvert wingwall work in accordance with the Special Provision and Section 406 of MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Each.
 - C. Item No. 8 – Culv, Conc Cutoff Wall.
 - 1. Includes: Furnishing and installation of concrete cutoff wall in accordance with the Special Provision and Section 706 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Each.
 - D. Item No. 9 – Culv, Conc Apron.
 - 1. Includes: 12-inch concrete apron with rebar in accordance with the detail on the drawings, Special Provision, and Section 706 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Each.
 - E. Item No. 10 – Maintain Stream Flow.
 - 1. Includes: Submitting a plan for approval and maintaining stream flow during the preparation and placement of the proposed precast concrete box culvert in accordance with Section 401 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: LSUM.
 - F. Item No. 11 – Riprap, Heavy.
 - 1. Includes: Installation of specific material type and size as indicated on the Drawings as well as nonwoven geotextile fabric underneath all areas of applied riprap in accordance with the MDOT 2012 Standard Specifications for Construction and the appropriate detail or location as indicated on the Drawings.
 - 2. Unit of measure: Square yard.
 - G. Item No. 12 – Riprap, Heavy, Toe Protection.
 - 1. Includes: Installation of specific material type and size as indicated on the Drawings as well as nonwoven geotextile fabric underneath all areas of applied riprap in accordance with the MDOT 2012 Standard Specifications for Construction and the appropriate detail or location as indicated on the Drawings.
 - 2. Unit of measure: Square yard.
- 1.04 PAVING:
- A. Item No. 13 – Machine Grading
 - 1. Includes: The following in accordance with MDOT Standard Specification Section 205.
 - a. All material excavation and removal.
 - b. Preparation and grading of subgrade and aggregate base to meet cross-section(s) on the drawings.
 - 2. Unit of measure: Station.

- B. Item No. 14 – Subbase, CIP, 18 inch.
 - 1. Includes the following in accordance with MDOT Standard Specification Section 301.
 - a. All material excavation and removal.
 - b. Preparation of subgrade.
 - c. Subbase, CIP, 18 inch.
 - d. Compaction.
 - 2. Unit of measure: Cubic yard.

- C. Item No. 15 – Aggregate Base, 6 inch.
 - 1. Includes: The following in accordance with MDOT Standard Specification Section 302.
 - a. All material excavation and removal.
 - b. Preparation of subgrade.
 - c. Aggregate Base, 6 inch.
 - d. Compaction.
 - 2. Unit of measure: Square yard.

- D. Item No. 16 – Shoulder, CL II, 6 inch.
 - 1. Includes: The following in accordance with MDOT Standard Specification Section 307.
 - a. All material excavation and removal.
 - b. Preparation of subgrade.
 - c. Shoulder, CL II, 6 inch.
 - d. Compaction.
 - 2. Unit of measure: Square yard.

- E. Items No. 17 and 18 – HMA, 4E1 and HMA, 5E1.
 - 1. Includes: The following in accordance with MDOT Standard Specification Section 501.
 - a. Placement of HMA material.
 - b. Bond coat.
 - c. Rolling and compaction.
 - 2. Unit of measure: Ton.

- F. Items No. 19 and 20 – Pavt Mrkg, Waterborne, 4 inch, White and Pavt Mrkg, Waterborne, 4 inch, Yellow.
 - 1. Includes furnishing and installing pavement marking materials in accordance with MDOT Standard Specification Section 811.
 - a. Pavement Marking, Waterborne, 4 inch, White.
 - b. Pavement Marking, Waterborne, 4 inch, Yellow.
 - c. Glass Beads.
 - 2. Unit of measure: Foot.

- G. Item No. 21 – Recessing Pavt Mrkg, Longit.
 - 1. Includes furnishing and installing pavement marking materials in accordance with MDOT Standard Specification Section 811, Special Provisions, and Standard Details.
 - 2. Unit of measure: Foot.

- H. Item No. 22 – Centerline Corrugation, Milled, HMA.
 - 1. Includes milling or diamond grinding corrugations (rumble strips) into finished hot mix asphalt (HMA) in accordance with MDOT Standard Specification Section 822 including Special Provisions and Standard Details including the following:
 - a. Centerline Corrugations, Milled, HMA.
 - 2. Unit of measure: Foot.

- I. Item No. 23 – Guardrail, Reconst, Type B.
 - 1. Includes: Reinstalling the existing Guardrail beams and terminals utilizing necessary materials, new posts (paid for separately) and new blocks in accordance with Section 807 of the MDOT 2012 Standard Specifications for Construction and as directed by the ENGINEER.
 - 2. Unit of measure: Foot.
 - 3.

- J. Item No. 24 – Guardrail, Reconst, Type TD.
 - 1. Includes: Reinstalling the existing Guardrail beams utilizing necessary materials, new posts (paid for separately) and new blocks in accordance with Section 807 of the MDOT 2012 Standard Specifications for Construction and as directed by the ENGINEER
 - 2. Unit of measure: Foot.

- K. Item No. 25 – Guardrail Post, Furn and Install, 84 inch.
 - 1. Includes: Supply and installing guardrail posts in accordance with Section 807 of the MDOT 2012 Standard Specifications for Construction and as directed by the ENGINEER
 - 2. Unit of measure: Each.

- L. Items No. 26 and 27 – Barricade, Type III, High Intensity, Lighted, Furn and Barricade, Type III, High Intensity, Lighted, Oper.
 - 1. Includes: Providing, installing, and maintaining Type III Barricades in accordance with maintaining traffic plans, Section 812 of the MDOT 2012 Standard Specifications for Construction, Muskegon County Road Commission and MDOT standards.
 - 2. Unit of measure: Each

- M. Items No. 28 and 29 – Plastic Drum, High Intensity, Furn and Plastic Drum, High Intensity, Oper.
 - 1. Includes: Providing, installing, and maintaining Plastic Drums in accordance with maintaining traffic plans, Section 812 of the MDOT 2012 Standard Specifications for Construction, Muskegon County Road Commission and MDOT standards.
 - 2. Unit of measure: Each.

- N. Items No. 30 and 31 – Sign Type B, Temp, Prismatic, Furn and Sign Type B, Prismatic, Oper.
 - 1. Includes: Providing, installing, and maintaining temporary traffic signs in accordance with maintaining traffic plans, Section 812 of the MDOT 2012 Standard Specifications for Construction, Muskegon County Road Commission and MDOT standards.
 - 2. Unit of measure: Square foot.

- O. Item No. 32 and 33 – Sign, Portable, Changeable, Message, Furn and Sign Portable, Changeable, Message, Oper.
 - 1. Includes: Includes providing, operating, and maintaining PCMS shown on the plans and directed by ENGINEER in accordance with Section 922 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Each.

- 1.05 SURFACE RESTORATION:
 - A. Item No. 34 – Slope Restoration, Modified.
 - 1. Includes: Preparing the soil and placing see and mulch to permanently stabilize disturbed areas as shown on the drawings in accordance with Section 816 of the MDOT 2012 Standard Specifications for Construction, Special Provisions, as noted on the Drawings or as indicated for placement by the ENGINEER.
 - 2. Unit of measure: Square yard.

- 1.06 MISCELLANEOUS AND CONTINGENCY ITEMS:
 - A. Item No. 35 – Mulch Blanket.
 - 1. Includes: Supply and install mulch blanket in accordance with Section 917 of the MDOT 2012 Standard Specifications for Construction as noted on the Drawings or as indicated for placement by the ENGINEER. Overlap of blanket will not be included.
 - 2. Unit of measure: Square yard.

 - B. Item No. 36 – Erosion Control, Check Dam, Stone.
 - 1. Includes: Supply and installing Erosion Control, Check Dam, Stone in accordance with Section 208 of the MDOT 2012 Standard Specifications for Construction as indicated on the drawings and/or as directed by the ENGINEER
Unit of measure: Foot.

 - C. Item No. 37 – Erosion Control, Maintenance, Sediment Removal
 - 1. Includes: Removal and disposal of accumulated sediment in accordance with Section 208 of the MDOT 2012 Standard Specifications for Construction as directed by the ENGINEER
 - 2. Unit of measure: Cubic yard

 - D. Item No. 38 – Erosion Control, Silt Fence.
 - 1. Includes: Supply and installation of silt fence in accordance with Section 208 of the MDOT 2012 Standard Specifications for Construction as indicated on the drawings and/or as directed by the ENGINEER
Unit of measure: Foot.

- E. Item No. 39 – Mobilization, Max (10%).
 - 1. Includes: All preparatory work and operations in accordance with Section 105 of the MDOT 2012 Standard Specifications for Construction.
 - 2. Unit of measure: Lump sum.

- F. Item No. 40 – Minor Traf Devices.
 - 1. Includes: Includes providing, installing, maintaining, relocating, and removing traffic cones and other traffic devices not shown on the plans. Also, maintaining local traffic, removing, storing, and reinstalling Department-owned permanent signs and supports and installing reflective conspicuity tape on vehicles and equipment in accordance with Section 812 of the MDOT 2012 Standard Specifications for Construction. Item includes all CONTRACTOR bonds and insurance necessary for securing of MDOT permit.
 - 2. Unit of measure: Lump sum.

- G. **Item No. 41 – Traffic Control, Part Width Construction.**
 - 1. **Includes: Includes providing an appropriate number of flagmen to adequately control traffic in a sequenced fashion and/or provide a temporary traffic signal which adequately allows alternating timed traffic flows in both directions during part width construction. The item shall include any other traffic control devices not shown on the plans that are required to maintain thru traffic by providing one lane of travel during part width construction.**
 - 2. **Unit of measure: Lump sum.**

PART 2 - PRODUCTS
Not used.

PART 3 - EXECUTION
Not used.

END OF SECTION