

**Painesville to Fairport Harbor
Secondary Water Connection**

Village of Fairport Harbor

WSRLA Funded Project

March 2023



Tim McLaughlin

2/23/2023

220810

VILLAGE OF FAIRPORT HARBOR OFFICIALS

ADMINISTRATION

Timothy Manross, Mayor

Amy Cossick, Village Administrator

James M. Lyons, Village Solicitor

Clyde C. Hadden, P.E., P.S., Village Engineer

Christine Page, Interim Fiscal Officer

J.P. Leonard, Police Chief

Robert Lloyd, Fire Chief

COUNCIL

Christina Bacnik

Doug Harrison

Frank Sarosy

Anthony Bertone

Verne Horton

Jerry Hites

ADVERTISEMENT FOR BIDS/PUBLIC NOTICE TO BIDDERS

Sealed bids will be received at the office of the Village Administrator, Village of Fairport Harbor, 220 Third Street, Fairport Harbor, Ohio 44077 until 3:00 p.m. on March 31, 2023 and will be opened and read immediately thereafter for the

PAINESVILLE TO FAIRPORT HARBOR SECONDARY WATER CONNECTION

WSRLA FUNDED PROJECT

OPINION OF PROBABLE CONSTRUCTION COST: \$538,000.00

COMPLETION DATE: 180 DAYS FROM NOTICE TO PROCEED

The bid specifications, drawings, plan holders list, addenda, and other bid information (**but not the bid forms**) may be viewed and/or downloaded for free via the internet at <https://bids.ctconsultants.com> . The bidder shall be responsible to check for Addenda and obtain same from the web site.

Bids must be in accordance with drawings and specifications and on forms available from CT Consultants, Inc. at a non-refundable cost of One Hundred Twenty-Five Dollars (\$125.00). Documents may be ordered by registering and paying online at <https://bids.ctconsultants.com>. Please contact planroom@ctconsultants.com or call (440) 530-2395 if you encounter any problems viewing, registering or paying for the documents.

This project will be funded by the Water Supply Revolving Loan Account Program as administered by the Ohio Environmental Protection Agency and the Ohio Water Development Authority. The Contractor shall note that there are Disadvantaged Business Enterprise participation goals for this project.

This procurement is subject to the EPA policy on encouraging the participation of small business in rural areas (SBRAs).

The News Herald

March 1, 2023

March 8, 2022

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SECTION 1
BID DOCUMENTS

INSTRUCTIONS TO BIDDERS

PART 1 GENERAL

- 1.1 Sealed bids shall be received by the Owner at the location specified and until the time and date specified in the Advertisement for Bids/Public Notice to Bidders.
- 1.2 Each bid shall contain the full name and address of each person or company interested in said bid. If no other person be so interested, the Bidder shall distinctly so state the fact.
- 1.3 Bid forms must be completed in ink or by typewriter. Any corrections to the bid forms prior to submission must be initialed by the person signing the bid. Failure to submit any bid form(s) or other required document(s) may be cause for rejection of the bidder's bid at the sole discretion of the Owner.
- 1.4 Bids by Corporations must be executed in the corporate name by the President, Vice President, or other officer accompanied by evidence of authority to sign and the corporate seal must be affixed and attested by the Secretary on the Corporate Resolution form.
- 1.5 Bids by partnerships must be executed in the partnership name and signed by a partner, whose title must appear under the signature.
- 1.6 All names must be typed or printed below the signature.
- 1.7 The bid shall contain an acknowledgment of receipt of all Addenda.
- 1.8 If a Bidder wishes to withdraw their bid prior to the opening of bids, they shall state their purpose in writing to the Owner before the time fixed for the opening, and when reached it shall be handed to them unread.
- 1.9 After the opening of bids, no Bidder may withdraw their bid for a period of 90 days.

PART 2 EXAMINATION OF CONTRACT DOCUMENTS AND SITE

- 2.1 Before submitting a bid, each Bidder must
 - A. Examine the Contract Documents thoroughly.
 - B. Visit the site to familiarize themselves with local conditions that may in any manner affect cost, progress, or performance of the work.
 - C. Familiarize themselves with Federal, State, and local laws, ordinances, rules, and regulations that may in any manner affect cost, progress, or performance of the work.
 - D. Study and carefully correlate Bidder's observations with the Contract Documents.

- 2.2 Reference is made to the Specific Project Requirements for the identification of any reports of investigations and tests of subsurface and latent physical conditions at the site or otherwise affecting cost, progress or performance of the work which have been relied upon by the Engineer in preparing the drawings and specifications. Owner will make copies of such reports available to any Bidder requesting them if not made available with the bid documents. These reports are not guaranteed as to accuracy or completeness; nor are they part of the Contract Documents. Before submitting their bid each Bidder will, at their own expense, make such additional investigations and tests as the Bidder may deem necessary to determine their bid for performance of the work in accordance with the time, price and other terms and conditions of the Contract Documents.
- 2.3 Upon request, the Owner will provide each Bidder access to the site to conduct such reasonable investigations and tests as each Bidder deems necessary for submission for their bid.
- 2.4 The lands upon which the work is to be performed, rights-of-way for access thereto, and other lands designated for use by Bidder in performing the work are identified on the Drawings.
- 2.5 The submission of a bid will constitute an incontrovertible representation by the Bidder that they have complied with every requirement of this section and that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the work.

PART 3 ESTIMATED QUANTITIES

- 3.1 In Unit Price Contracts, the quantities of the work itemized in the bid are approximate only and the bidders are hereby notified that the estimated quantities made by the Engineer are merely for the guidance of the Owner in comparing on a uniform basis all bids received for the work.
- 3.2 The contract quantities, where itemized, are based on plan horizontal and vertical dimensions unless otherwise specified. It is the Contractor's responsibility to verify and determine actual quantities of materials such as pipe, pavement, subgrade, etc. in their ordering materials.
- 3.3 Payments, except for lump sum contracts and except for lump sum items in unit price contracts, will be made to the Contractor only for the actual quantities of work performed or materials furnished in accordance with the plans and specifications.
- 3.4 The successful Bidder will be required to furnish the Owner with a complete breakdown of the lump sum bid items, to the satisfaction of the Engineer/Architect, before signing the Contract documents.

PART 4 CONTRACTOR'S QUALIFICATION

- 4.1 Bidder shall provide detailed information relating to similar projects completed within the past 5 years which demonstrates the bidder's capability, responsibility, experience, skill, and financial standing to undertake this type of project and shall include a list of all projects currently under construction including status and contact person.
- 4.2 Bidder shall own, have rental or lease agreements for, or otherwise have readily available any and all equipment and tools necessary for proper execution of the work. The Owner reserves the right to request lists of equipment or tools available for the project including sources.
- 4.3 Bidder shall provide pertinent information to the Owner relative to any pending suits or outstanding liens. If no information is provided by the Bidder, the Owner shall assume that any such suits or liens do not exist.
- 4.4 The Owner may require similar information on any or all subcontractors proposed by the Bidder.
- 4.5 Bids of corporations not chartered in the state in which the work will take place must be accompanied by proper certification that the corporation is authorized to do business in that state.

PART 5 SUBCONTRACTORS

- 5.1 The Bidder shall state on the appropriate bid form the names of all Subcontractors, Sub Consultants and other professional service providers proposed and the items of work they are to be assigned. All work not assigned to a Subcontractor shall be assumed by the Owner to be performed by the Bidder.
- 5.2 The Owner reserves the right to approve all subcontractors proposed by the Bidder. If the Owner, after due investigation, rejects the use of a proposed subcontractor, the apparent successful Bidder may either submit an acceptable substitution without increase in bid price or decline substitution and withdraw their bid without sacrificing their bid security. Any listed subcontractor to whom the Owner does not make written objection prior to award of contract, shall be deemed acceptable to the Owner.
- 5.3 Requests for changes of Subcontractor by the Bidder after the award shall be subject to the Owner's approval and shall not change the contract bid prices.
- 5.4 No contractor shall be required to employ any Subcontractor, person or organization against whom they have reasonable objection.

PART 6 BID REVIEW BY OWNER

- 6.1 The Owner reserves the right to reject any and all bids, to waive as an informality any and all irregularities, and to disregard all nonconforming, nonresponsive or conditional bids.

- 6.2 All extensions and totals of unit prices and quantities submitted as part of the bid shall be considered informal until verified by the Owner. All bids must be made on the forms contained herein and the bid prices must be written therein, in figures only. Unit prices shall be separately written for "Unit Price Labor," "Unit Price Material," and "Total Unit Price" for each item listed. Should an error in addition and/or multiplication be determined while checking the Contractor's math and verifying their total bid, the "Unit Price Labor" and the "Unit Price Material" figures shall govern in determining the correct "Total Unit Price" and the correct "Item Total."
- 6.3 Each bidder must bid on all Items, Alternates, Deductions, and Additions contained in the Bidding Forms. All bids not in conformity with this notice may be considered non-responsive and may be rejected.
- 6.4 More than one bid for the same work from an individual or entity under the same of different names will not be considered. Reasonable grounds for believing that that any bidder has an interest in more than one bid for the work may be cause for disqualification of that bidder and the rejection of all bids in which the bidder has an interest. A subcontractor or supplier is not a bidder, and may submit prices to multiple bidders.
- 6.5 In evaluating bids, the Owner may consider:
- A. The qualifications and experience of the Bidder, proposed subcontractors, and principal material suppliers as outlined in the plans and specifications.
 - B. Financial ability and soundness of the Bidder and proposed subcontractors.
 - C. Completeness of all bid forms and bid requirements.
 - D. Alternates and unit prices requested in the Bid Forms.
 - E. Unit prices or schedules of values that are or appear to be unbalanced.
 - F. Previous contractual experience with the Owner.
 - G. Whether or not the bid package complies with the prescribed requirements.
 - H. The proposed completion date, if applicable.
 - I. Any other matter allowed by law or local ordinance or resolution.
- 6.5 Owner may conduct further investigations as they deem necessary to assist in the evaluation of any bid and to establish the responsibility, qualifications, and financial ability of the Bidder, proposed Subcontractors, and other persons and organizations to do the work in accordance with the Contract Documents to Owner's satisfaction within the prescribed time.
- 6.6 Owner reserves the right to reject the bid of any Bidder who does not pass any such evaluation to Owner's satisfaction.

- 6.7 The Contract award shall be based on the lowest and best bid or lowest responsive and responsible bid (as applicable for the public contracting agency receiving bids) for the base bid and selected alternate items (if any) for this project.

PART 7 BID SECURITY

- 7.1 Each bid must be accompanied by a certified or cashier's check in the amount of 10% of the amount bid, an irrevocable letter of credit in the amount of 10% of the amount bid or an original bond in the amount of 100% of the amount bid per ORC 153.54 and 153.571. The certified or cashier's check, or irrevocable letter of credit shall be from a financial institution authorized to transact business in the State of Ohio and acceptable to the Owner. The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on Federal Bonds." The bond shall be a "Bid Guarantee and Contract Bond" ("rollover bond") per O.R.C. sections 153.54 and 153.571 submitted for the full amount of the bid **including all alternates**, if any.

If bid security is made by bond, the Bidder and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with their bid.

- 7.2 The certified or cashier's check, irrevocable letter of credit, or bond shall be made payable to the Owner and shall serve as a guarantee that in the event the bid is accepted and a contract is awarded to the successful Bidder, the contract will be executed by the bidder including any certifications, certificates or additional bonds required by the contract.
- 7.3 Failure on the part of the successful Bidder to execute the contract documents will cause the certified or cashier's check, irrevocable letter of credit, or bond to be forfeited to the Owner as damages.
- A. If the Owner awards the contract without rebidding, the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the difference between the low bid and the next lowest bidder or 10% of the amount of the bid, whichever is less.
- B. If the Owner does not award the Contract to the next lowest Bidder, but resubmits the project for bidding; the Bidder (and the Surety on their bond if a bond was submitted) shall be liable to the Owner for a penal sum not to exceed the costs in connection with the resubmission of bids or 10% of the amount of the bid, whichever is less.
- 7.4 Checks or letters of credit for bid security of all bidders will be returned in the manner and timeframe stipulated in the Ohio Revised Code.

PART 8 CONTRACT BOND

- 8.1 As security for faithful performance and payment of all obligations under the Contract, the Owner shall require and the successful Bidder shall furnish either:
- A. *If submitted as Bid Security at time of bid:* "Bid Guarantee and Contract Bond" (AKA "rollover bond") per O.R.C. sections 153.54 and 153.571.
 - B. *If a cashier's check or irrevocable letter of credit is submitted as Bid Security at time of bid:* Contract Bond per Ohio Revised Code Sections 153.54 and 153.57, in the amount of 100% of the Contract Price. The Contractor and their Surety shall sign the Supplemental Bond Acknowledgement form and submit with the Contract forms
- 8.2 The bond shall be underwritten by a Surety Company authorized to transact business in the State of Ohio having an Ohio agent and listed on the most current Department of the Treasury Circular 570, "Surety Companies Acceptable on Federal Bonds."
- 8.3 The contract bond shall cover correction of the work for the period stated in the specifications and the correction period shall start upon Final Acceptance of the entire project and final payment by the Owner.
- 8.4 Nothing in the performance of the Engineer's service to the Owner in connection with this project shall in any way imply any undertaking for the benefit of the successful Bidder, its subcontractor(s), or the surety of any of them.

PART 9 AWARD AND EXECUTION OF CONTRACT

- 9.1 After the Owner's legislative body awards the project, the successful bidder will receive the unsigned contract documents. Within 10 days after their receipt, the successful Bidder shall sign and deliver to the Owner said contract documents including any certifications, certificates, or additional bonds required by the contract.
- 9.2 The Owner shall execute the Contract within 90 days after the day of the bid opening. When necessary and by mutual consent between the Owner and the Successful Bidder, this 90-day period may be extended.
- 9.3 The date of the Owner's signature on the Contract Agreement shall be the effective contract date.
- 9.4 The Owner shall execute and deliver to the successful Bidder one set of fully executed contract documents.

PART 10 INSURANCE

- 10.1 Verification of limits for public liability, property damage, automobile, Worker's Compensation, or any other insurance required by the provisions of this Contract must be submitted to the Owner prior to execution of the Contract.

- 10.2 All insurance shall be endorsed so that it cannot be cancelled for non-payment of premium for 10 days or cancelled or non-renewed for any other reason in less than 30 days after a written notice of such proposed action by the insurer is given to the Owner. The cancellation clause on the Certificate(s) of Insurance shall read as specified in the Supplementary Conditions and failure to submit an insurance certificate and/or policy endorsement verifying same shall be reason for the Owner to consider the Contractor non-responsive in complying with the requirements for contract execution and may be cause for forfeiture of the Bid Security to Owner.
- 10.3 The Contractor's Liability Insurance policy(s) shall be endorsed such that limits are on a Per Project basis.
- 10.4 The Contractor shall also provide an Owner's and Contractor's Protective Policy.

PART 11 NON-COLLUSION AFFIDAVIT

- 11.1 Collusion between bidders will be cause for rejection of affected bids and may be cause for rejection of all bids. Multiple bids submitted by one bidder under the same name or different names, whether as an individual, firm, partnership, corporation, profit or non-profit, affiliate, or association will be cause for rejection of bids. A subcontractor is not a bidder, and may submit prices to multiple bidders.
- 11.2 All bidders shall submit an affidavit that their bid is genuine and not collusive or sham; that such bidder has not colluded, conspired, connived, or agreed, directly or indirectly, with any bidder or person, to put in a sham bid, or that such other bidder or person shall refrain from bidding; that such bidder has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of affiant or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against the Owner or any person or persons interested in the proposed contract; that such bidder is the only party (or parties) who has an interest with the bidder in the profits of any contract which may result from the herein contained proposal; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, is or will be directly or indirectly interested in this bid, and/or the profits from this bid if successful; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has or will receive anything of value as a result of the submission of this bid or its award; that no individual affiliated with the Owner, including but not limited to the head of any department, any employee, or any other official or officer of the Owner, has been solicited to provide assistance and/or provided assistance to the bidder which might give the bidder a competitive advantage or circumvent the competitive bidding process; and that all statements contained in said proposal are true; and further, that such bidder has not, directly or indirectly submitted this bid, or the contents thereof, or divulged information or data relative thereto to any association or to any member or agent thereof.
- 11.3 Each bid must be accompanied by a completed Noncollusion Affidavit provided within the contract documents.

11.4 Where there is reason to believe collusion or combination among bidders exists, the Owner reserves the right to reject the bid of those concerned.

PART 12 DELINQUENT PERSONAL PROPERTY STATEMENT

12.1 Included with the contract documents is a Delinquent Personal Property Statement to be filled out by the successful Bidder.

12.2 The statement shall be sent to both the County Auditor and the County Treasurer. A signed copy shall remain in the contract documents as well.

PART 13 ORIGINAL DOCUMENTS

13.1 All bid forms, contract forms, bonds and any other bid documents or contract documents requiring signatures shall be submitted with original signatures. No photo copies or faxed copies of signed documents shall be accepted.

PART 14 ADDENDA

14.1 The bidder shall be responsible to obtain Addenda from the web at <https://bids.ctconsultants.com>.

END OF SECTION 04/28/22

PRICES TO INCLUDE

PART 1 – GENERAL

Any work shown on the plans or required in the specification but not paid for separately as a bid item shall be included in the cost of other bid items. The amount bid shall include the following:

All labor, materials, tools, equipment and transportation necessary for the proper execution of the work in accordance with Contract Documents.

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.3 Project coordination and scheduling.
- 1.4 Detailed breakdown of lump sum bid items as requested by the Engineer.
- 1.5 All provisions necessary to protect workmen, the general public and property along the work in accordance with the Contract Documents and OSHA requirements.
- 1.6 Protection and/or replacement of existing property corner monuments.
- 1.7 Record drawings of the installed location elevations of all underground electrical conduit, gas lines, cable, waterlines, sewers, tees, wyes, laterals, etc.
- 1.8 All costs for inspection by a representative of the Owner. Costs for all other inspection required herein.
- 1.9 Reimbursement to Owner for costs for re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.10 Construction staking of the improvements performed by licensed Ohio Professional Surveyor.
- 1.11 All erosion control measures in accordance with Contract Documents and any jurisdictional entity.
- 1.12 All provisions included as described or implied in this Prices to Include Section for each Bid Item listed.
- 1.13 Material testing.
- 1.14 Bonds and insurances and/or endorsements required to fully comply with and adhere to the Contract specifications.
- 1.15 The unit price for surface courses shall include the cost to seal any cracks which may develop in the asphalt pavement during the Correction Period. The sealing shall be done just prior to the end of the Correction Period unless, due to the season and inclement weather, a time extension is granted and the Correction Period is extended.
- 1.16 All concrete utilized on this project: 1) All aggregate shall meet the requirements of ODOT 703.02, Loss, sodium sulfate soundness test, 12% maximum; 2) If #57 or #67 size coarse aggregate is used, it shall be tested in accordance with ASTM C 666, Procedure B, and meet

the requirements of ODOT 703.13. Copies of actual test reports and manufacturers certifications are required and shall be representative of the aggregate source proposed for use and shall be no more than 6 months old to time of submittal; 3) Class C concrete - Options 1, 2, and 3 will not be allowed.; 4) All surfaces shall be sealed with an approved cure and seal, not standard ODOT curing compound.

- 1.17 Reference to ODOT 401.20 "Asphalt Binder Price Adjustment" is to be deleted and will not apply.
- 1.18 Completion and execution of all work shown, specified, or implied regardless of specific mention of such work in this section herein. Costs for all work items not specifically mentioned herein shall be included in the related items bid.

PART 2 – ITEMS

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T specification except as specifically altered by other provisions of this contract.

2.1 (SPC) PRE-CONSTRUCTION VIDEO DOCUMENTATION, AS PER PLAN

Basis of Payment

The lump sum price shall include costs associated with hiring a professional video DVD firm to document in detail the existing surface conditions of the entire work area and potential disturbed areas and submitting two (2) copies of a high quality DVD with audio commentary and video log. The lump sum shall be full compensation for furnishing all labor, equipment and materials as detailed in the specifications. The lump sum price shall be included for payment in the monthly progress estimate after the pre-construction videotapes have been delivered and approved.

2.2 (SPC) BONDS AND INSURANCES, AS PER PLAN

Basis of Payment

A "Bonds and Insurances" item (including "Owner/Contractor Protective Policy," "All Risk Builder's Risk Insurance," and/or "Installation Floater Insurance", and/or endorsements to fully comply with all contract requirements) has been included in the bid proposal.

2.3 (253) PAVEMENT REPAIR, AS PER PLAN

The work, method of construction and materials for asphalt concrete base shall be in accordance with ODOT Item 253 with the following modifications:

- A. Compacted thickness shall be as detailed on the plans
- B. This item shall be used as directed by the Engineer.

Method of Measurement

Measurement of pavement repair of the thickness specified shall be the number of cubic yards of asphalt concrete base completed and accepted in place.

Basis of Payment

The accepted quantities of asphalt concrete base of thickness specified will be paid for at the contract unit price per cubic yard, which price and payment shall be full compensation for furnishing and placing all materials, including furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as directed; including all necessary pavement saw cuts, existing pavement/subbase removal (regardless of material type) and subbase preparation.

2.4 (253) ASPHALT PAVEMENT REPLACEMENT, TEMPORARY, AS PER PLAN

Method of Measurement

The method of measurement shall be as per ODOT 253 or 255 as applicable with the exception that lengths used for calculation of each individual repair area shall not exceed the maximum pay length indicated on the drawings.

Basis of Payment

The basis of payment shall be as per ODOT 253 or 255 as applicable.

2.5 (254) PAVEMENT PLANING, ASPHALT CONCRETE, AS PER PLAN

The work method of construction and materials for bituminous pavement planing shall conform to ODOT Item 254 with the following modification.

- A. Bituminous pavement planing shall include planing of any existing concrete patches and/or trench caps whether exposed or covered by an asphalt layer to the depth to match existing concrete base elevation.
- B. Pavement planing shall include cleaning and removal of debris and loose pieces of asphalt to the satisfaction of the City prior to the installation of the leveling course.
- C. Unit price shall include the installation, maintenance, and removal of temporary apron wedges (ramps) as directed out of asphalt of asphalt millings for any apron lip greater than 3" after planing (as directed).
- D. Unit price shall include the removal of all inlet grates, wrapping these grates with filter fabric and replacing the grates in place **prior** to the start of any planing. The Contractor shall maintain this filtering system throughout the project and remove the filtering system within 72 hours of the surface course placement.

Method of Measurement

The number of square yards of bituminous pavement planing shall be the actual square yards of pavement planed to the depth specified and disposed of as measured in the field.

Basis of Payment

The unit price stipulated per square yard for pavement planing of the thickness specified shall be full compensation for furnishing and placing all materials, disposal of removed material at a City site if specified and/or removal offsite, and furnishing of all labor, tools and equipment necessary to complete the work as specified or as shown on the contract drawings

2.6.1 (407) SINGLE CHIP SEAL, TYPE A, PRE-COATED SLAG AGGREGATE, AS PER PLAN

Method of Measurement

Measurement will be made on a square yardage basis for the actual area of single chip seal installed as measured in the field.

Basis of Payment

The unit price bid shall include all labor, material and equipment necessary to apply the bituminous material and pre-coated aggregate in place, completed and accepted in accordance with the specifications or as directed by the Engineer. The unit price shall also include vacuuming and/or sweeping of loose stone on streets after curing time and before final acceptance by the City.

2.6 (411) ASPHALT CONCRETE SURFACE COURSE, AS PER PLAN

The work, method of construction and materials for asphalt concrete surface course shall be in accordance with ODOT Item 448 with the following modifications:

- A. Compacted thickness shall be as detailed on the plans.
- B. All gutters, street castings and joints shall be sealed with an approved liquid bituminous material 4 inches in width and the cost is to be included with the bid item.
- C. Necessary butt or tapered edge joints and pavement saw cuts shall be considered incidental costs to be included in this bid item.
- D. Reclaimed or recycled material shall not be used. Only new materials shall be used.
- E. Replacement of all pavement striping removed or marred on improvement and adjacent streets shall be considered incidental costs to be incurred in the Bid Item.

Method of Measurement

The measurement of asphalt concrete surface course of the thickness specified shall be the number of cubic yards of asphalt concrete surface course completed and accepted in place. The area for

measurements will be as shown on the plans, or as otherwise directed in writing by the Engineer. The plan quantities as adjusted for changes, errors and deviation in excess of allowable tolerances will be the method of measurement.

Basis of Payment

The accepted quantities of asphalt concrete surface course of the thickness specified shall be full compensation for furnishing and placing all materials, including sealing materials, pavement striping, and furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as shown; including feathering at drives as necessary and butt or taped edge joints and necessary pavement saw cuts

2.7 (411) ASPHALT CONCRETE INTERMEDIATE COURSE, AS PER PLAN

The work, method of construction and materials for asphalt concrete surface course shall be in accordance with ODOT Item 448 with the following modifications:

- A. Compacted thickness shall be as detailed on the plans.
- B. Reclaimed or recycled materials shall not be used, only new materials shall be used.

Method of Measurement

The measurement of asphalt concrete intermediate course of the thickness specified shall be the number of cubic yards of asphalt concrete intermediate course completed and accepted in place. The area for measurements will be as shown on the plans, or as otherwise directed in writing by the Engineer. The plan quantities as adjusted for changes, errors and deviation in excess of allowable tolerances will be the method of measurement.

Basis of Payment

The accepted quantities of asphalt concrete intermediate course of the thickness specified shall be full compensation for furnishing and placing all materials, including furnishing all labor, tools, appliances, equipment and all other appurtenances necessary to complete the work as specified or as shown; including any necessary pavement saw cuts and pavement planing.

2.8 608) CONCRETE DRIVES, APRONS, WALKS, AND CURB RAMPS, AS PER PLAN

The work, method of construction and materials for concrete walk, concrete curb ramps and concrete pavement for drives shall conform to ODOT Items 608, 452, 304, 203 and 202, except as modified herein or as shown on the contract drawings.

- A. There will be no separate measurement or payment for removal and disposal of existing walk or concrete drives or subbase, crushed limestone base, and subgrade compaction. These items of work shall be included in the furnishing and installation of new walks or curb ramps or concrete pavement for drives.

- B. Wire mesh reinforcing shall be furnished and installed if included in an existing apron. The cost of furnishing and installing the wire mesh reinforcing shall be included in the cost of this item of work.
- C. The unit price shall include Fiber Reinforcement as indicated.
- D. There will be no additional compensation for providing a thickened edge and/or integral curb, as detailed.
- E. ODOT Item 499 Concrete, Class QCMS mix shall be used in drives and drive aprons.
- F. ODOT Item 499 Concrete, Class QC1 shall be used for walks and curb ramps.
- G. Each and every sidewalk, drive slab and joint shall be edge tooled after texturing surface to match existing.
- H. ODOT 304 Aggregate Base, utilizing crushed limestone, shall be provided with these items.
- I. The unit price for curb ramps shall include all labor and materials necessary to construct ramps compliant with the Americans with Disabilities Act (ADA) regulations.

Method of Measurement

The quantity to be paid of concrete walk, concrete curb ramps, and concrete for drives to the thickness and class of concrete specified shall be the actual square dimension, square feet or square yards as indicated in the Proposal of finished surface complete in place.

Basis of Payment

The unit price stipulated per square foot or square yards (as indicated in the Proposal) for concrete walk, concrete curb ramp and concrete pavement for drives or aprons of the thickness and class of concrete specified shall be full compensation for furnishing all materials, grading, forming, finishing of the walk, curb ramp and pavement including removal and disposal of existing grass, sod, topsoil, bushes, trees, walk or pavement and curbs, necessary pavement saw cutting, clearing and grubbing, excavation and/or backfill to required line and grade, subgrade compaction as required, furnishing and installing subbase or base material, integral curbing, adjustment of water/gas service valves, concrete, curing compound, and expansion joint material; wire and/or mesh reinforcing as required; furnishing of all labor, tools, materials and equipment necessary to complete the work as specified or as shown.

2.9 (609) CURB, ALL TYPES, INCLUDING REMOVAL, AS PER PLAN

ODOT Item 499 Concrete, Class QC MS mix shall be used for all curb.

Basis of Payment

Payment shall be made in accordance with ODOT Item 609 and shall also include full depth diamond blade saw cutting as needed and removal of existing pavement, curb, or curb and gutter.

2.10 (611) VALVE VAULT, AS PER PLAN

Method of Measurement

The quantity to be paid shall be for each pressure reducing valve (PRV) vault installed per the plans and specifications.

Basis of Payment

The unit price shall include all labor, material, equipment and gear; ventilation, dust control; precast vault and manhole sections, lids, adjustable rings, castings, valve boxes, valve stem extensions as called off, adjustable stem guides, Link-Seals, vent pipes, water handling; gas monitoring; site preparation; construction of temporary pits, excavation; ground supports; pipe, backfill, grouting; surveying; electrical panels, conduits for electrical wiring, electrical wiring, SCADA setup with system integrator, flow meter, dropdown from existing utility pole; protection of utilities; spoil disposal; acceptance testing; and incidentals required for a complete installation of the valves vaults

2.11 (638) WATERLINE CONSTRUCTION, AS PER PLAN

Method of Measurement

The method of measurement shall be as per ODOT Item 638 and as detailed in the plans.

Basis of Payment

The basis of payment shall be as per ODOT Item 638 with the following additions; the unit price shall also include rock excavation, all necessary pipe fittings, bends, specials, branches, plugs, bulkheads, backfilling as specified, blow off and sampling assemblies as needed or directed; chlorination, chlorination sampling and testing, bacteria sampling and testing, zinc anode caps for all bolts; joint restraint; blow off assemblies as needed or directed; furnishing, installing and operation necessary pumps, pipes and appurtenances necessary for trench dewatering; support protection, relocation and/or replacement of all existing utilities (sanitary force mains, storm and sanitary sewers, culverts, gas lines, curb drains, catch basins, underground conduit, wires, cables, utility poles, signs, etc.); excavating sanitary laterals and utilities in advance of waterline to determine depth in order to install waterline at specified vertical offset from utilities; installing and maintaining temporary traffic surface in paved areas; maintenance, removal and replacement of all signs, mailboxes, paper boxes, fences, guardrails, or other structures; regrading of ditches and/or swales; and the furnishing of all labor, materials, tools and appurtenances necessary to complete the work as specified or as shown.

2.12 (638) VALVE AND VALVE BOX, AS PER PLAN

Method of Measurement

The quantity to be paid shall be the number each of valve and box installed per the plans and specifications.

Basis of Payment

The unit price shall include each valve and valve box set to finish grade, where shown on the plans and as specified, installed complete including excavation regardless of soil or rock type, backfill per typical trench details, testing, and furnishing all labor, materials, tools, and appurtenances necessary to complete the work as specified or as shown.

2.13 (638) 6-INCH FIRE HYDRANT ASSEMBLY, AS PER PLAN

Method of Measurement

The quantity to be paid shall be as per ODOT 638.

Basis of Payment

The basis of payment shall be as per ODOT 638 with the following additions: The unit price shall also include the hydrant tee branch with restrained fittings and nipples, nuts and bolts with zinc anode caps, gate valve, valve box, earth and/or rock excavation, clearing and grubbing, setting hydrant to finished grade including furnishing and placing hydrant extensions as required, removal and disposal of all surplus and unsuitable material, furnishing and placing the specified bedding and backfill, blocking, concrete, protection and/or possible relocation of all other existing utilities and repaired, if damaged by the Contractor, and grass restoration.

2.14 (638) CUTTING-IN TEE, WITH LONG SLEEVE, AS PER PLAN

Method of Measurement

The unit price bid shall be full compensation for furnishing all labor, equipment, materials and appurtenances necessary to complete all work, as per plan, associated with the installation of the new tee and sleeve as detailed on the contract drawings and specifications or otherwise directed by the Engineer.

Basis of Payment

This item is for the connection to the existing waterline utilizing a restrained mechanical joint solid sleeve and mechanical joint coupling. The unit price shall include and be full compensation for each connection made including, but not limited to: disposal of surplus material, furnishing and installing joint material, long solid sleeve, reducers, bends, other fittings, saw cutting pipe, removal of existing caps or plugs and making connections as required, hypochlorite swabbing, joint restrains, thrust blocking and polyethylene encasement.

The unit price shall include advanced excavation of tie-in locations or suspected conflict locations, coordination with the water department for shutting off valves, checking closed main to assure valves shut off flow, cutting of existing pipe, restrained joint mechanical long sleeves, removal of all water, and installation of the new tee and sleeve, excavation, bedding, backfill, restrained joints as required, thrust blocking, connecting to the existing waterline, temporary sheeting and shoring; collection and disposal of all surface and /or ground water impacting the installation of improvements; disposal of all undesirable and surplus materials; and testing and disinfection of new and existing waterlines as directed by the Village of Fairport Harbor; all costs associated with

connecting to, if present, asbestos-cement waterline, all costs associated with connecting to the cast iron or ductile iron waterline, all costs associated with the temporary shutdown of the existing waterline, all costs associated with notifying property owners that will be affected by the loss of service during shutdown, flushing, chlorinating, testing and furnishing of all labor, materials, tools, and appurtenances necessary to complete the work as specified or as shown.

If the solid sleeves do not match up to the existing pipe, Engineer APPROVED coupling(s) shall be supplied and installed at no additional cost to the contract.

2.15 (614) MAINTAINING TRAFFIC

The work, method of construction and materials for maintaining traffic shall be in accordance with ODOT Item 614 and the Ohio Manual of Uniform Traffic Control Devices (OMUTCD).

Basis of Payment

The lump sum price shall include all costs for labor, materials, tools and appurtenances necessary to complete the work as specified. Payment shall be made progressively throughout the contract period in proportion to the percentage of work complete or as otherwise approved by the Engineer.

2.16 (SPC) MOBILIZATION, AS PER PLAN

Basis of Payment

The lump sum (LS) price shall include all labor to transfer all equipment, materials, personnel, storage area, sanitary facilities, and incidentals to the project site as required to complete the project per plans and specifications.

The lump sum price shall be included for payment in the monthly progress estimates after the following conditions have been met.

- A. One-third (1/3) of the lump sum upon delivery to the site of all equipment to be utilized on the first 400 lineal feet of waterline installation.
- B. One-third (1/3) of the lump sum after the first 500 lineal feet of waterline is installed, backfilled and tested.
- C. One-third (1/3) of the lump sum for all other preliminary work, but not limited to site clearing, access drives, utility services, material storage facilities and other miscellaneous items required to begin construction.