

Revised August 29, 2024

Village of Newcomerstown
Attn: Mayor Pat Cadle
308 S. College Street
Newcomerstown, OH 43832

**RE: *Scope of Services for TUS-Neighbor Street Bridge (PID 118634)
Newcomerstown, OH***

Dear Mr. Cadle,

The Thrasher Group, Inc. (Thrasher), a multi-discipline engineering firm, is pleased to submit this professional services proposal to the Village of Newcomerstown, Ohio, for the work described in detail in this proposal's Scope of Services section. Our proposal is based on the information gathered from the LPA Scope of Services Form and the scoping meeting held on May 10, 2023, with ODOT.

A. PROJECT UNDERSTANDING:

Thrasher has been asked to submit the proposed Scope of Services, Estimated Fee, and Schedule for the work (the "Work") described in detail in this Proposal's Scope of Services section. The Village of Newcomerstown (Village) is planning on the following improvements to be made:

- Complete replacement of Bridge No. TUS NBRST 05320 (SFN 7960999), which carries Neighbor Street over Buckhorn Creek in the Village of Newcomerstown of Tuscarawas County.
- All associated roadway items are also included in the project (bridge terminal assemblies, guardrail, pavement, sidewalk, etc.).
- It is assumed that Right-of-Way takes will be necessary for the construction of the project. As such, Thrasher will prepare the Right-of-Way plans and has teamed with O.R. Colan Associates to perform the acquisition services.
- Geotechnical and Environmental tasks that will be performed by the Thrasher team. Thrasher has teamed with National Engineering & Architectural Services, Inc. (NEAS) to perform the geotechnical exploration and EnviroScience, Inc. to perform the environmental services.

The following Scope of Services defines the work to be performed by the Thrasher team for the Village of Newcomerstown. The work will consist of developing a detailed design from Stage 1 through Final Tracings and a construction cost estimate. The location of the project is as follows:

B. LOCATION:

The project will begin approximately 25' west of the rear approach slab and terminate approximately 25' east of the forward approach slab.

C. SCOPE OF SERVICES:

This Proposal is limited exclusively to the Work as described in this Scope of Services section, and anything not expressly described in this section shall be considered expressly excluded from the Work. Thrasher proposes to perform the Work as follows. The project will consist of the replacement of the Neighbor Street Bridge. The design will follow ODOT, AASHTO, and Village of Newcomerstown specifications, standards, and requirements. The project will follow all the applicable funding agency's requirements. It is anticipated the following sheets will be provided:

- Title Sheet
- Typical Sections
- General Notes
- Maintenance of Traffic Notes
- Detour Plans
- General Summary and Sub-Summaries
- Plan & Profile (mainline)
- Cross Sections (mainline)
- Traffic Control (pavement marking and signing)
- Structure Sheets
- Right-of-Way Sheets

The plan sheets will be shown on a scale suitable for construction and will include relevant features. General project notes will include notes related to construction sequencing and general construction items per the ODOT format. Construction & material specifications and quantities will follow the ODOT 2019 Construction and Material Specifications.

TASK 1 - SURVEY

Thrasher will perform all field and office work necessary to prepare a Topographic/Location Survey and establish the Property and Right-of-Way lines for the corridor described above. The survey limits will extend 50 feet beyond the right-of-way or to the face of any existing structure for the length of the project.

The field topographic survey of the corridor will include observing the location of all existing visible features within the corridor including right-of-way, pavement, existing centerline alignment, sidewalk, power poles, drainage structures, and other existing above-ground features, existing underground, and above-ground utilities as located by the Ohio Utility Protection Service (OUPS) member and non-members companies.

Establish a minimum of three benchmarks / control points within or just outside of the perimeter of the proposed project for use during the proposed improvements. The survey datum will be tied to the Ohio State Plane Coordinate System, North Zone. Thrasher will use the information collected above to prepare and develop a base map that will be used for the tasks below.

TASK 2 – GEOTECHNICAL SERVICES

Thrasher subconsultant NEAS will perform a subsurface exploration within the planned limits of the referenced project. The goal of the work is to obtain sufficient data regarding the subsurface soil conditions that will serve as the basis for the development of design and construction recommendations for the bridge. Upon completion of the field and lab work, NEAS will provide a Geotechnical Report containing all findings and recommendations to be used by the design team.

TASK 3 – ENVIRONMENTAL SERVICES

Thrasher subconsultant EnviroScience will perform all environmental tasks for the project to include Level 1 Ecological Survey, RMR Screening, Asbestos Survey, C2 Categorical Exclusion Document, Public Involvement, Floodplain Coordination, Waterway Permit Determination Request, Recreational Boating Review Form, General Oversight/Project Management, Preconstruction Notification. All reports and supporting documentation will be uploaded to EnviroNet.

TASK 4 – STAGE 1

Thrasher will perform preliminary engineering and Stage 1 design and coordinate the design with the Village. During this task, Thrasher will determine existing horizontal and vertical alignments, develop conceptual MOT, coordinate with Utilities, and develop roadway, structure, and MOT plans for a Stage 1 submittal.

TASK 5 – STAGE 2

Thrasher will address any Stage 1 review comments, coordinate with utility companies, and prepare cost estimates to bring roadway, structure, traffic control, and MOT plans to a Stage 2 design.

TASK 6 – STAGE 3/FINAL

Thrasher will address any Stage 2 review comments, develop final quantities, finalize signing plans, develop project site plans, update the title sheet, prepare final cost estimates, and prepare the submission of Final Tracings and Documentation.

TASK 7 – R/W PLAN DEVELOPMENT

Thrasher will prepare preliminary and final R/W plans to facilitate the acquisition of parcels necessary for construction. Plans and Legal Descriptions will be prepared and submitted to ODOT for review, comments will be addressed, and final plans prepared.

TASK 8 – R/W ACQUISITION

Thrasher's subconsultant O.R. Colan will perform all R/W acquisition services, including title reports, appraisals, negotiations, and closings.

D. PROJECT ASSUMPTIONS:

- Only three benchmarks are needed for the construction drawings.
- Existing utilities (storm, sanitary, etc.) will only be replaced if necessary to facilitate the construction of the new structure.
- A sidewalk will be installed across one side of the proposed structure and will terminate at the limits of the proposed approach slabs.

E. SCHEDULE:

We can begin work within ten (10) business days of receiving written authorization to proceed and will follow the below schedule as discussed with ODOT District 11.

| | |
|---------------------------------|------------|
| Stage 1 Plans Submitted | 03/07/2025 |
| Preliminary R/W Plans Submitted | 03/07/2025 |
| Stage 1 Plans Complete | 04/04/2025 |
| Stage 2 Plans Submitted | 09/01/2025 |
| Final R/W Plans Submitted | 09/01/2025 |
| Environmental Document Approved | 10/01/2025 |
| Stage 2 Plans Complete | 10/01/2025 |
| R/W Authorized | 10/17/2025 |
| Stage 3 Plans Submitted | 07/03/2026 |
| Stage 3 Plans Complete | 08/03/2026 |
| R/W Acquisition Complete | 08/31/2026 |
| District R/W Certification | 09/24/2026 |
| Plan Package Received in C.O. | 10/01/2026 |
| Sale | 01/01/2027 |
| Award | 01/01/2027 |
| Estimated Begin Construction | 04/01/2027 |
| Estimated End Construction | 09/30/2027 |

F. FEES & PAYMENT TERMS:

Based upon our understanding of the project requirements and the scope of work presented herein, we propose to perform this work on a lump sum basis for a cost not to exceed **\$359,609.00** with anticipated hours by task included in **Attachment 1**. In no case will our Scope of Services be performed, or the budget exceeded without written authorization by the Village of Newcomerstown. All services to be performed by Thrasher are in accordance with the attached General Terms and Conditions.

The following estimates have been included on a Task basis. Each fee has been estimated for the performance of the Work listed in the Scope of Services above. This work has been estimated to be performed on a task-by-task basis.

Tasks – Thrasher Estimated Fees

| | |
|---------------------------------|---------------------|
| Task 1 – Survey | \$ 19,272.00 |
| Task 2 – Geotechnical Services | \$ 51,594.00 |
| Task 3 – Environmental Services | \$ 23,286.00 |
| Task 4 – Stage 1 | \$ 61,197.00 |
| Task 5 – Stage 2 | \$100,959.00 |
| Task 6 – Stage 3/Final | \$ 39,558.00 |
| Task 7 – R/W Plan Development | \$ 25,035.00 |
| Task 8 – R/W Acquisition | <u>\$ 33,072.00</u> |
| Total Estimated Fees | \$353,973.00 |

Thrasher appreciates and is excited about the opportunity to work on this project. If you have any questions or need additional information, please contact me at (330) 451-2042 or at cdeibel@thethrashergroup.com. If this proposal is acceptable, please sign below and return a copy to my attention.

Sincerely,
THE THRASHER GROUP, INC.



Curtis J. Deibel, PE, RSP2
Project Manager

ACCEPTANCE:

On this _____ day of _____, 2024, the below signed and thereby accepts and agrees to this Proposal, and the Terms and Conditions attached hereto are incorporated herein by reference as if fully set forth herein, from The Thrasher Group, Inc. **By signing below, you are creating a valid and binding contract between The Thrasher Group, Inc. and the Village of Newcomerstown upon the terms and conditions of this Proposal and the Terms and Conditions attached hereto and made a part hereof.**

Mayor Pat Cadle
Village of Newcomerstown

By:

Signature

Name and Title

TERMS AND CONDITIONS

The terms and conditions set forth below “Terms and Conditions” are part of the Proposal which these are attached thereto and are included in said Proposal as if fully restated therein. The services set forth in the Proposal (“Services”) shall be performed pursuant to the Offer to Perform Services, as defined herein.

Parties: “Thrasher” means The Thrasher Group, Inc. “Client” means the Village of Newcomerstown and your successions or assigns.

Generally: These Terms and Conditions govern the parties' duties, obligations, and relationship with respect to the Proposal submitted by Thrasher to Client for the Services described in the Proposal. These Terms and Conditions apply in addition to any and all descriptions, specifications, prices, terms, covenants, conditions, or other items set forth in the Proposal itself (as used herein, the term "Offer to Perform Services" shall refer to, collectively, these Terms and Conditions and the Proposal).

This Offer to Perform Services constitutes an offer by Thrasher to provide the Services set forth in the Proposal to Client upon the terms and conditions contained in the Proposal and these Terms and Conditions. Client’s acceptance of this offer is limited to this Offer to Perform Services. Thrasher expressly rejects any additional, different, or varying terms proposed by Client.

This Offer to Perform Services constitutes the final written expression of the terms between Thrasher and Client regarding the Services and is the complete and exclusive statement of those terms. Any terms, conditions, negotiations, or understandings between the parties that are not contained herein shall have no force or effect unless in writing and signed by Thrasher, expressly stating in writing Thrasher’s intent to modify this Offer to Perform Services. Said writing modifying the Offer to Perform Services must be signed by Thrasher to be effective.

Modification: Any modification, alteration or deviation from the terms and conditions set forth in the Offer to Perform Services may involve extra costs, and such costs will become a charge over and above the amount set forth in the Offer to Perform Services. A written change order is the proper manner in which to alter the terms of this Offer to Perform Services between the parties. However, it is understood that written change orders are not always completed. Client shall be responsible for paying the additional cost of such change orders regardless of whether they are made in writing.

Period of Performance: Services provided under this Offer to Perform Services are proposed to be completed within a reasonable amount of time from execution of this Offer to Perform Services by Client unless a separate schedule is attached. Thrasher shall be the sole determiner of what is a reasonable amount of time to perform the Services.

Payment: Client will be billed no less frequently than monthly, but may be billed bi-weekly, for Services provided under Offer to Perform Services. Invoices shall be paid within thirty (30) days of the date of the invoice. Client agrees to pay a 1.5% per month interest after thirty (30) days from the date of the invoice. Client agrees to review invoices promptly and raise any questions regarding the invoiced items or amounts within seven (7) days of the date of the invoice. If Client fails to raise any questions or issues regarding any invoiced items within fourteen (14) days of the date of the invoice, the invoice is deemed approved by the Client in all respects and Client forfeits any right to dispute the invoice or any charge thereon.

In the event of nonpayment of the account within thirty (30) days after the invoice date, Thrasher shall have the right, but not the obligation, to suspend all Services immediately until the account is paid in full. Thrasher may, after giving one days written notice to Client, suspend services under the terms of the Offer to Perform Services until Client has paid in full all amounts due for services, expenses, and other related charges. Client waives any and all claims against Thrasher for any such suspension taken in accordance with this paragraph. A notice of suspension, pursuant to this provision, shall be sufficient if sent via email.

In the event an account is greater than sixty (60) days past due, then Thrasher has the right, but not the obligation, to terminate all Services set forth in the Offer to Perform Services and pursue any and all legal methods of collection. Nothing in this provision shall be deemed to limit or exclude any right that Thrasher has, or may have, against Client.

Existing Information and Subsurface Conditions: Client will provide Thrasher with all information Client has, or can reasonably obtain, concerning the Project, including subsurface conditions and the location of subsurface or hidden pipes, utilities, or structures, all upon which Thrasher can rely. If the subsurface conditions are different than Thrasher expects the subsurface conditions to be, Thrasher may charge additional costs, fees, expenses, and other amounts incurred by Thrasher to be able to perform the Services.

Limitations on Liability: Thrasher’s liability, and the liability of Thrasher’s employees, shareholders, directors, officers, board members, subcontractors, and sub-subcontractors to the Client for damages arising from Services provided or from the Offer to Perform Services shall be limited for any and all claims, losses, costs, damages, and expenses including attorney’s fees and cost for

expert witness fees to the Thrasher's total fee for Services received under this Offer to Perform Services.

Insurance: Thrasher shall maintain claims made professional liability insurance, general liability, automobile liability, and workers compensation insurance. Client has, or will purchase, property insurance sufficient to protect any property in which Client has an insurable interest. Client and Thrasher waive any claims against each other for damage to property covered, or that should have been covered by property insurance required by this paragraph, including subrogated claims.

Unless otherwise set forth specifically in the Offer to Perform Services, Thrasher shall maintain the following types and amounts of insurance, at a minimum, during the performance of the Services and shall provide certificates of insurance evidencing its coverage, prior to starting the performance of Services, if requested in writing from Client.

- a) Worker's Compensation Insurance with statutory coverage and \$1,000,000 employer's liability coverage;
- b) Comprehensive General Liability Insurance with annual aggregate limits of \$1,000,000;
- c) Automobile Liability Insurance with annual aggregate limits of \$1,000,000; and
- d) Professional Liability Insurance with limits of \$1,000,000 per claim and in the aggregate on a claims-made basis.

Mediation: Prior to any litigation, arbitration, or other proceeding, Client and Thrasher shall attempt to mediate any dispute arising from services provided under this Offer to Perform Services. The American Arbitration Association will conduct the mediation, unless otherwise agreed. Client and Thrasher will equally share all fees and costs of mediation.

Suspension: Thrasher may suspend performing Services under this Offer to Perform Services for any reason or no reason upon seven (7) days written notice, or may suspend performing Services under this Offer to Perform Services for cause (including but not limited to any breach or violation of the Offer to Perform Services by Client) with no notice. Client shall remain responsible and be required to pay all fees earned by Thrasher up to the suspension of Services by Thrasher, plus any amount incurred by Thrasher in performing Services, in preparing to perform Services, and in orderly suspending of Services.

Termination: Client or Thrasher may terminate this Offer to Perform Services for convenience by giving fourteen (14) days written notice, or may terminate this Offer to Perform Services for cause by giving seven (7) days written notice. If this Offer to Perform Services is terminated by Client, Client shall pay Thrasher, in addition to any and all compensation due under this Offer to Perform Services, any amount incurred by Thrasher in performing Services, in preparing to perform Services, and in orderly terminating Services.

Full and Final Agreement: This Offer to Perform Services is the full and final agreement between Client and Thrasher, supersedes any prior agreements, and may not be modified except by in writing executed by both Client and Thrasher, except to the extent the Modification section of these Terms and Conditions is applicable. Should no action be taken by Client within ninety (90) days of the date of submission, this Offer to Perform Services shall be considered null and void.

Attorney's Fees and Costs: In the event Thrasher is required to hire legal counsel to enforce any of the terms or conditions of this Offer to Perform Services, it shall be entitled to recover reasonable and necessary attorney's fees and litigation expenses (whether or not litigation is actually commenced) associated with the enforcement of this Offer to Perform Services.

Indemnification: Subject to limitations of liability set forth in the Limitations on Liability section, Thrasher agrees, to the fullest extent permitted by law, to indemnify and hold the Client harmless from damage or liability to the extent caused by Thrasher's negligent acts, errors, or omissions in the performance of professional services under this Offer to Perform Services.

The Client agrees, to the fullest extent permitted by law, to indemnify and hold Thrasher harmless from damage or liability to the extent caused by the Client's negligent acts, errors, or omissions and those of his or her contractors, subcontractors, or consultants or anyone for whom the Client is legally liable and arising from the Project that is the subject of this Offer to Perform Services.

Neither Party is obligated to indemnify the other in any manner whatsoever for the other's own negligence.

The limitation, indemnification and waiver obligations under this Indemnification section shall survive termination or expiration of this Offer to Perform Services.

Standard of Care: Thrasher shall provide its' Services pursuant to the Offer to Perform Services in accordance with current, accepted professional standards, appropriate for the size, complexity, schedule, and other characteristics of the Project in the jurisdiction where the Project is located ("Standard of Care"). Regardless of any other term or condition of this Offer to Perform Services, Thrasher makes no express or implied warranty of any type, kind, or nature. All warranties including warranty or merchantability or warranty of fitness for a particular purpose, are expressly disclaimed.

Acceptance: Upon reviewing this Offer to Perform Services, should Client find all matters satisfactory, this Offer to Perform Services shall be considered a binding contract which shall be signed by authorized representatives of Client and Thrasher. Signing and returning this Offer to Perform Services creates a valid and binding contract and shall be considered as an authorization to proceed for Thrasher to commence work on the Project and constitutes acceptance of all terms, covenants, conditions, obligations, and requirements contained in the Offer to Perform Services without modification, addition, or deletion. Further, Client shall be deemed to have made an unqualified acceptance of this Offer to Perform Services upon their earliest of:

- a) Thrasher's receipt of this Offer to Perform Services, signed by Client; or
- b) any other event constituting acceptance under applicable law.

Independent Contractor: Thrasher is and shall remain an independent contractor and neither Thrasher nor any of its employees or agents shall be considered an employee of Client and vice versa.

Force Majeure: Thrasher shall not be responsible for default hereunder where such has been caused by an act of God, war, major disaster, terrorism, third-party criminal acts, pandemics, insurrection, riot, flood, earthquake, fire, labor disturbance, operation of statutes, laws, rules or rulings of any court or government, or any other cause beyond Thrasher's control.

Notice: Each notice, request, demand, or other communication ("Notice") by either party to the other pursuant to the Offer to Perform Services shall be in writing, and, except for routine documentation and correspondence, shall be (a) personally delivered; (b) sent by an overnight commercial courier, charges prepaid; or (c) sent by email (but such electronic communication must be either (i) acknowledged by the recipient (a read receipt received by the sender is sufficient acknowledgment); or (ii) confirmed by sending a copy thereof to the other party by overnight commercial courier no later than the following business day), addressed to the principal office of the receiving party (attention: President or the Project Manager of the Project) set forth on the Offer to Perform Services or to such other address as such party shall have communicated to the other party in accordance with this section. Any Notice shall be deemed to have been given when personally delivered, on the first business day after sending when sent by facsimile or email (or when acknowledged by the recipient if sooner), or on the first business day following the date of sending by overnight commercial courier.

Survival: All obligations prior to the termination of the Offer to Perform Services and all provisions of the Offer to Perform Services allocating responsibility or liability between Thrasher and Client shall survive termination of the Offer to Perform Services.

Remedies Cumulative: Thrasher's remedies specified herein are cumulative and not exclusive of any other remedies available to Thrasher at law or equity. The unenforceability or invalidity of any provision of this Offer to Perform Services shall not affect the validity and enforceability of the remainder of this Offer to Perform Services. The failure of any Party to insist at any time upon the strict observance or performance of any of the provisions of this Offer to Perform Services or to exercise any right or remedy as provided in this Offer to Perform Services shall not impair any such right or remedy or be construed as a waiver or relinquishment thereof.

Valid Contract Upon Signing: The terms and conditions in this Offer to Perform Services are the complete agreement between Thrasher and the Client and upon the signing of the Proposal portion of this Offer to Perform Services by Thrasher and Client, the parties have entered into a valid and binding contract which shall be controlled by this Offer to Perform Services.

Hazardous Materials:

- a) If Thrasher encounters hazardous materials, or pollutants in the performance of the Services that pose unanticipated risks, the Proposal and Thrasher's compensation and time of performance will be reconsidered and this Offer to Perform Services shall immediately become subject to renegotiation or termination, at Thrasher's option. If this Offer to Perform Services is so terminated, Client shall pay Thrasher for its fees and charges incurred to the date of such termination, including, if applicable, any additional costs, fees, expenses, or charges incurred in demobilizing.
- b) Unless specifically listed in the Proposal, the Services exclude testing for the presence of asbestos, polychlorinated biphenyls (PCB'S), radon gas, or any airborne pollutants and all other hazardous materials.
- c) If samples and/or materials contain or are suspected to contain substances or constituents hazardous or detrimental to health, safety, or the environment as defined by federal, state, or local statutes, regulations, or ordinances, Thrasher shall, after completion of testing, return such samples or materials to Client, who shall be responsible for properly disposing of such samples and materials in accordance with applicable laws, at its own cost. Client recognizes and agrees that Thrasher will at no time assume the ownership or control of such substances, waste, materials, or constituents.

- d) Client acknowledges that, prior to commencing the Services, Thrasher has had no role in generating, treating, storing, transporting, or disposing of waste materials which may be present at the site and Thrasher has not benefited from the processes that produced any such waste materials. It is understood and agreed that Thrasher is not and has no responsibility as a generator or operator, or as a storage, treatment, transport, or disposal facility (as those terms are defined by the Resource Conservation and Recovery Act, as amended, or any state statute or regulation) for substances or wastes found or identified at the site. The Services shall not include directly or indirectly arranging for the treatment, storage, transport, or disposal of waste materials or pollutants, on or offsite.
- e) Thrasher shall not directly or indirectly assume title to, ownership of, or responsibility for such substances or wastes. Client shall indemnify, defend, and hold harmless Thrasher for and against all claims and liabilities arising or resulting from or in connection with substances or wastes found or identified at work sites (including, without limitation claims and liabilities arising from statutes such as RCRA, CERCLA, SARA, or any other federal or state statutes).

Client Responsibilities: Client, at its own expense, shall:

- a) Provide Thrasher with all criteria and information necessary for Thrasher to comply with the Services and Offer to Perform Services, as the same may be amended or modified from time to time, and any requirements of the Project;
- b) Provide Thrasher all information, documents, and assistance necessary or reasonably requested by Thrasher to enable performance of the Services in a timely manner, all which Thrasher shall be entitled to rely upon without independent verification;
- c) Make decisions, provide approvals, and obtain all necessary authorizations, licenses, and permits required to permit the timely performance of the Services;
- d) Notify Thrasher if Client becomes aware of any matter that may change the scope, timing, order, or complexity of the Services;
- e) Act reasonably, professionally, and in good faith in all respects in connection with this Agreement;
- f) Furnish Thrasher with copies of all existing data, reports, surveys, plans, and other materials and information, within Client's possession required for the Project or the performance of the Services, all which Thrasher may use and rely upon in performing the Services;
- g) Arrange for access to and make all provisions for Thrasher to enter upon public and private property as required for Thrasher to perform the Services;
- h) Describe the activities which were conducted at the site by Client or by any person or entity which would relate to the Project and identify by name, quantity, location, and date any releases of hazardous substances or pollutants, if any;
- i) Provide prompt notice to Thrasher whenever Client observes or otherwise becomes aware of any development that affects the scope or timing of the Services or any alleged defect in the Services;
- j) Designate an individual or individuals to act as Client's representative(s) with respect to the Services who shall each have complete authority to transmit instructions, receive information, and interpret and define Client's requirements, decisions, policies, drawings, plans, surveys, data, and reports;
- k) Assume responsibility for personal injuries and property damage caused by Thrasher's interference with subterranean structures such as pipes, tanks, and utility lines that are not disclosed to or are not accurately disclosed to Thrasher by Client in advance of commencement of the Services; and
- l) To the extent required by law, report promptly all regulated conditions, including, without limitation, the discovery of releases of hazardous substances at the site to the appropriate authorities in accordance with applicable law.

Waiver: Client waives any and all claims against Thrasher for incidental special, indirect, or consequential damages of any nature whatsoever, including but not limited to loss of use, lost profits, economic loss, delay, liquated damages, or business interruption type damages arising out of or in any way related to the services or work, from any cause or causes, including but not limited to joint and several liability or strict liability and whether arising in contract, warranty, tort, negligence (including strict liability), or otherwise and no matter how claimed, computed or characterized. Both Client and Thrasher waive the right to trial by jury in any legal proceedings relating to this Agreement.

Confidentiality: Each Party will keep confidential all confidential information disclosed to it by the other party; provided that either Party may disclose confidential information to those persons who need to know such information for purposes that relate to the performance of the Services. Except as specifically provided herein, neither Party will acquire any right, title, or interest in or to the confidential information of the other Party.

Exclusivity: Information, work product, reports, or deliverables provided by Thrasher to Client in any form in connection with the Services is provided solely for Client's own use and for the purpose for which the Services were engaged.

Governing Law, Jurisdiction, and Venue: This Offer to Perform Services will be interpreted and construed in accordance with the internal laws of the State of West Virginia without giving effect to its principles of conflicts of laws. Any suit or action regarding this Offer to Perform Services shall be heard in Harrison County, West Virginia, in either the State or Federal Court located therein. The Client hereby waives any claim to forum non conveniens, or any similar claim or assertion. Client agrees that the locations and courts set forth herein are not a forum non conveniens for the Client and this provision is reasonable in all respects.

Use of Documents:

- a) All documents are instruments of service, and Thrasher shall retain an ownership and property interest therein (including the copyright and the right of reuse at the discretion of the Thrasher) whether or not the Project is completed.
- b) If Thrasher is required to prepare or furnish drawings or specifications under this Offer to Perform Services, Thrasher shall deliver to Client at least one original printed record version of such Drawings and Specifications, signed and sealed according to applicable Laws and Regulations.
- c) Client may make and retain copies of documents for information and reference in connection with the use of the documents on the Project. Thrasher grants Client a limited license to use the documents on the Project, extensions of the Project, and for related uses of the Client, subject to receipt by Thrasher of full payment due and owing for all services relating to preparation of the documents, and subject to the following limitations: (1) Client acknowledges that such documents are not intended or represented to be suitable for use on the Project unless completed by Thrasher, or for use or reuse by Client or others on extensions of the Project, on any other project, or for any other use or purpose, without written verification or adaptation by Thrasher; (2) any such use or reuse, or any modification of the documents, without written verification, completion, or adaptation by Thrasher, as appropriate for the specific purpose intended, will be at Client's sole risk and without liability or legal exposure to Thrasher or to its officers, directors, members, partners, agents, employees, and consultants; (3) Client shall indemnify and hold harmless Thrasher and its officers, directors, members, partners, agents, employees, and consultants from all claims, damages, losses, and expenses, including attorneys' fees, arising out of or resulting from any use, reuse, or modification of the documents without written verification, completion, or adaptation by Thrasher; and (4) such limited license to Client shall not create any rights in third parties, provided, however, that in the event of any assignment for the benefit of Client's construction lender, such lender or successor shall be entitled to assume Client's license to such documents subject to the other terms and conditions contained in this Section.
- d) If Thrasher at Client's request verifies the suitability of the documents, completes them, or adapts them for extensions of the Project or for any other purpose, then Client shall compensate Thrasher at rates or in an amount to be agreed upon by Client and Thrasher.

Electronic Transmittals:

- a) Client and Thrasher may transmit, and shall accept, Project-related correspondence, documents, text, data, drawings, information, and graphics, in electronic media or digital format, either directly, or through access to a secure Project website, in accordance with a mutually agreed protocol.
- b) If this Offer to Perform Services does not establish protocols for electronic or digital transmittals, then Client and Thrasher shall jointly develop such protocols.
- c) When transmitting items in electronic media or digital format, the transmitting party makes no representations as to long term compatibility, usability, or readability of the items resulting from the recipient's use of software application packages, operating systems, or computer hardware differing from those used in the drafting or transmittal of the items, or from those established in applicable transmittal protocols.

Sales or Use Taxes: If any governmental entity, has already done so or does so in the future, takes a legislative action that imposes sales tax, additional sales or use taxes on Thrasher's services or compensation under this Offer to Perform Services or any related, associated or other services of any type, then Thrasher may invoice such additional sales or uses taxes for reimbursement by Client. Client shall reimburse Thrasher for the cost of such invoiced additional sales or use taxes; such reimbursement shall be in addition to the compensation to which Thrasher is entitled under this Offer to Perform Services.

Attachment 1

Breakdown of Hours

| C-R-S | TUS - Neighbor Street Bridge | PROPOSAL LABOR SUMMARY | | | | | | | | | | Version: Feb 2017 | | |
|--|------------------------------|------------------------|------------------------|------------------|-------------|----------------------------|-------------------|-----------------------------|------------------|-------------------|-------|----------------------|-----------------------------|---------|
| Consultant: | The Thrasher Group, Inc. | | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | State Average Overhead Rate | 157.79% |
| Modification No. | | | | | | | | | | | | | Consultant Overhead Rate: | 207.19% |
| PID No. | 118634 | | | | | | | | | | | | Cost of Money: | 0.19% |
| Proposal Date | 6/27/2024 | | | | | | | | | | | | Net Fee Percentage: | 11% |
| Task Description | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Total | | | |
| | | \$58.89 | \$42.90 | \$36.06 | \$34.62 | \$22.36 | \$20.42 | | | | Hours | Cost | | |
| AUTHORIZED TASKS: | | | | | | | | | | | | | | |
| 1 - Planning Phase | | | | | | | | | | | | | | |
| 1.1 - Project Start-up | | | | | | | | | | | | | | |
| 1.1.A - Planning and Programming | | | | | | | | | | | 0 | \$0 | | |
| 1.1.B - STIP/TIP | | | | | | | | | | | 0 | \$0 | | |
| 1.1.C - Internal Meeting with Project Sponsor and ODOT staff | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 1.1 - Project Start-up | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | | |
| 1.2 - Project Initiation Package | | | | | | | | | | | | | | |
| 1.2.A - Define Study Area and Logical Termini | | | | | | | | | | | 0 | \$0 | | |
| 1.2.B - Conduct Field Review (walk through) | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C - Identify Discipline Specific Issues for Project Initiation Package | | | | | | | | | | | | | | |
| 1.2.C.A - Identify Design Issues | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.B - Identify Geotechnical Issues | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.C - Identify Environmental Issues | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.D - Identify Utility Issues | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.E - ITS (Traffic Surveillance) Project Determination | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.F - Transportation and Land Use Plans | | | | | | | | | | | 0 | \$0 | | |
| 1.2.C.G - Identify Safety Priorities | | | | | | | | | | | 0 | \$0 | | |
| 1.2.D - Project Initiation Package Preparation and Submittal | | | | | | | | | | | 0 | \$0 | | |
| 1.2.E - Aerial/Base Mapping Coordination with ODOT | | | | | | | | | | | 0 | \$0 | | |
| 1.2.F - Concept, Scope and Budget Estimates | | 40 | | | | | | | | | 40 | \$2,356 | | |
| TOTAL 1.2 - Project Initiation Package | | 40 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | \$2,356 | | |
| 1.3 - Existing Data, Research and Analysis | | | | | | | | | | | | | | |
| 1.3.A - Not Used | | | | | | | | | | | 0 | \$0 | | |
| 1.3.B - Crash Analysis | | | | | | | | | | | 0 | \$0 | | |
| 1.3.C - Traffic Counts | | | | | | | | | | | | | | |
| 1.3.C.A - Turning Movement Counts at Intersections - No Build | | | | | | | | | | | 0 | \$0 | | |
| 1.3.C.B - Machine Counts on Roadways and Ramps - No Build | | | | | | | | | | | 0 | \$0 | | |
| 1.3.D - Planning Level Traffic - No Build Condition | | | | | | | | | | | 0 | \$0 | | |
| 1.3.E - Certified Traffic - No Build Condition | | | | | | | | | | | 0 | \$0 | | |
| 1.3.F - Capacity Analysis - No Build Condition | | | | | | | | | | | 0 | \$0 | | |
| 1.3.G - Safety Analysis - No Build Condition | | | | | | | | | | | 0 | \$0 | | |
| 1.3.H - Develop Purpose & Need | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 1.3 - Existing Data, Research and Analysis | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | | |
| 1.4 - Stakeholder Involvement and Public Involvement Plan | | | | | | | | | | | | | | |
| 1.4.A - Public Involvement Plan | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 1.4 - Stakeholder Involvement and Public Involvement Plan | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | | |
| 1.5 - Project Management for Planning Phase | | | | | | | | | | | | | | |
| 1.5.A - Meetings | | | | | | | | | | | 0 | \$0 | | |
| 1.5.B - General Oversight | | 16 | | | | | | | | | 16 | \$942 | | |
| 1.5.C - Project Set Up | | 16 | | | | | | | | | 16 | \$942 | | |
| 1.5.D - Non Routine (Soft) Items | | | | | | | | | | | 0 | \$0 | | |

| C-R-S | | TUS - Neighbor Street Bridge | | PROPOSAL LABOR SUMMARY | | | | | | | | Version: Feb 2017 | |
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| Consultant: | The Thrasher Group, Inc. | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | State Average Overhead Rate | 157.79% | | | |
| Modification No. | | | | | | | | | Consultant Overhead Rate: | 207.19% | | | |
| PID No. | 118634 | | | | | | | | Cost of Money: | 0.19% | | | |
| Proposal Date | 6/27/2024 | | | | | | | | Net Fee Percentage: | 11% | | | |
| Task Description | | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Hours | Cost |
| TOTAL 1.5 - Project Management for Planning Phase | | | 32 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 32 | \$1,885 |
| 1.6 - Limited Review | | | | | | | | | | | | | |
| 1.6.A - QA/QC for Limited Review | | | | | | | | | | | | | |
| TOTAL 1.6 - Limited Review | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| TOTAL 1 - Planning Phase | | | 72 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | \$4,240 |
| 2 - Preliminary Engineering Phase | | | | | | | | | | | | | |
| 2.1 - Develop Preliminary Alternatives | | | | | | | | | | | | | |
| 2.1.A - Prepare and Complete Feasibility Study Report | | | | | | | | | | | | | |
| 2.1.A.A - Planning Level Traffic for Feasible (Build) Alternatives | | | | | | | | | | | | | |
| 2.1.A.B - Certified Traffic - Feasible (Build) Alternative(s) | | | | | | | | | | | | | |
| 2.1.A.C - Capacity Analysis Feasible (Build) Alternative(s) | | | | | | | | | | | | | |
| 2.1.A.D - Safety Analysis for Feasible (Build) Alternative(s) | | | | | | | | | | | | | |
| 2.1.A.E - Field Survey and Aerial Mapping - Planning Level | | | | | | | | | | | | | |
| 2.1.A.F - Typical Section | | | | | | | | | | | | | |
| 2.1.A.G - Preliminary Alignment and Profile | | | | | | | | | | | | | |
| 2.1.A.H - Cross-Sections | | | | | | | | | | | | | |
| 2.1.A.I - Mapping | | | | | | | | | | | | | |
| 2.1.A.J - Stakeholder Public Involvement | | | | | | | | | | | | | |
| TOTAL 2.1 - Develop Preliminary Alternatives | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | | |
| 2.2.A - Property Owner Notification | | | | | | | | | | | | | |
| 2.2.B - Cultural Resources Scoping Request From | | | | | | | | | | | | | |
| 2.2.C - Ecological Survey Report | | | | | | | | | | | | | |
| 2.2.D - Environmental Site Assessment Screening | | | | | | | | | | | | | |
| 2.2.E - Social and Economic Resources | | | | | | | | | | | | | |
| 2.2.F - 4(f) determinations | | | | | | | | | | | | | |
| 2.2.G - Noise Analysis | | | | | | | | | | | | | |
| 2.2.H - Noise Analysis - Public Involvement | | | | | | | | | | | | | |
| 2.2.I - Phase I Cultural Resource History/Architecture Survey | | | | | | | | | | | | | |
| TOTAL 2.2 - Perform Environmental Field Studies | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| 2.3 - AER Design | | | | | | | | | | | | | |
| 2.3.A - Field Survey and Aerial Mapping | | | | | | | | | | | | | |
| 2.3.A.A - Project Control, Benchmarks, and Reference Points | | | | | | | | | | | | | |
| 2.3.A.B - Monumentation recovery | | | | | | | | | | | | | |
| 2.3.A.C - Base Mapping (incl. field verify.) | | | | | | | | | | | | | |
| 2.3.A.D - Drainage Survey (stream cross sections) | | | | | | | | | | | | | |
| 2.3.A.E - Bridge Survey | | | | | | | | | | | | | |
| 2.3.A.F - Establish property lines, tax id, & ownerships on base map | | | | | | | | | | | | | |
| 2.3.A.G - Property Owner Notification | | | | | | | | | | | | | |
| 2.3.B - Roadway | | | | | | | | | | | | | |
| 2.3.B.A - Design Criteria | | | | | | | | | | | | | |
| 2.3.B.B - Conceptual Typical Sections | | | | | | | | | | | | | |
| 2.3.B.C - Horizontal Alignment and Vertical Profile - Mainline | | | | | | | | | | | | | |

| C-R-S | | TUS - Neighbor Street Bridge | | PROPOSAL LABOR SUMMARY | | | | | | | | | | Version: Feb 2017 | |
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| Consultant: | | The Thrasher Group, Inc. | | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | | | |
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| PID No. | | 118634 | | | | | | | | | | | | | |
| Proposal Date | | 6/27/2024 | | | | | | | | | | | | | |
| | | | | | | | | | | State Average Overhead Rate | | 157.79% | | | |
| | | | | | | | | | | Consultant Overhead Rate: | | 207.19% | | | |
| | | | | | | | | | | Cost of Money: | | 0.19% | | | |
| | | | | | | | | | | Net Fee Percentage: | | 11% | | | |
| Task Description | | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Total | | | |
| | | | | | | | | | | | | Hours | Cost | | |
| 2.3.B.D - Plan and Profile - Crossroads | | | \$58.89 | \$42.90 | \$36.06 | \$34.62 | \$22.36 | \$20.42 | | | | 0 | \$0 | | |
| 2.3.B.E - Plan and Profile - Ramps | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.B.F - Conceptual cross sections | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.B.G - Interchange Geometrics | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.B.H - Analyze Drive locations | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.B.I - Identify Construction Limits | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.B.J - Preliminary Pavement Design | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.C - Drainage | | | | | | | | | | | | | | | |
| 2.3.C.A - Drainage Design Criteria Forms (LD-35) | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.C.B - LD-33 Form (Contact County Engineer) | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.C.C - Hydraulically size all major storm sewer trunk lines | | | 4 | | | | | | | | | 4 | \$236 | | |
| 2.3.C.D- Perform preliminary hydraulic analysis for culverts | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.C.E- Conceptual BMP | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.C.F - Estimate impact to wetlands, streams, & other regulated waters of the US and potential wetland mitigation | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.D - Traffic Control | | | | | | | | | | | | | | | |
| 2.3.D.A - Documentation of Proprietary Bid Justification – Signals | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.D.B - Documentation of Proprietary Bid Justification - Lighting | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.D.C - Documentation of alternate bid considerations for signal equipment | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.D.D - Documentation of alternate bid considerations for lighting equipment | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.E - Signals & ITS | | | | | | | | | | | | | | | |
| 2.3.E.A - Signal Warrant Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.E.B - CFR 940 Documentation | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.E.C - Railroad Coordination - Signals | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.E.D - ITS (Traffic Surveillance Impact Analysis) | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F - Maintenance of Traffic | | | | | | | | | | | | | | | |
| 2.3.F.A - MOTEC Request | | | | | | | | | | | | | | | |
| 2.3.F.A.1 - MOTEC Request - Report Preparation | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.2 - MOTEC Request - Report Graphics | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.3- MOTEC Request - Traffic Counts | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.4 - MOTEC Request - Modeling - Queue Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.5 - MOTEC Request - Modeling - HCS | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.6 - MOTEC Request - Modeling - Select Link Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.7 - MOTEC Request - Geometric Analysis for Temporary Traffic | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.A.8 - MOTEC Request - Cost Estimate | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B - MOTAA | | | | | | | | | | | | | | | |
| 2.3.F.B.1 - MOTAA - Report | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.2 - MOTAA - Conceptual MOT Plan | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.3 - MOTAA - Construction Cost | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.4 - MOTAA - Construction Schedule/Duration | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.5 - MOTAA - Detour Route Investigation | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.6 - MOTAA - Modeling - Queue Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.7 - MOTAA - Modeling - HCS | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.B.8 - MOTAA - Modeling - Select Link Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.F.C - Conceptual MOT Plan (Without MOTAA) | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.G - Utilities | | | | | | | | | | | | | | | |
| 2.3.G.A - Utility Coordination and Documentation | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.G.B - Subsurface Utility Engineering | | | | | | | | | | | | 0 | \$0 | | |
| 2.3.H - Miscellaneous | | | | | | | | | | | | | | | |
| 2.3.H.A - Identify and coordinate impacts on FEMA flood zones | | | | | | | | | | | | 0 | \$0 | | |

| C-R-S | | TUS - Neighbor Street Bridge | | PROPOSAL LABOR SUMMARY | | | | | | | | | Version: Feb 2017 | |
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| Consultant: | | The Thrasher Group, Inc. | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | | |
| Modification No. | | | | | | | | | | | | | | |
| PID No. | | 118634 | | | | | | | | | | | | |
| Proposal Date | | 6/27/2024 | | | | | | | | | | | | |
| | | | | | | | | | | State Average Overhead Rate | | 157.79% | | |
| | | | | | | | | | | Consultant Overhead Rate: | | 207.19% | | |
| | | | | | | | | | | Cost of Money: | | 0.19% | | |
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| Task Description | | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Total | | |
| | | | | | | | | | | | | Hours | Cost | |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | | | |
| 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | | |
| 3.1.A - Phase I Cultural Archaeological | | | | | | | | | | | | | | |
| 3.1.B - Phase II Cultural Resource History/Architecture Survey | | | | | | | | | | | | | | |
| 3.1.C - Section 4 (f) Determination | | | | | | | | | | | | | | |
| 3.1.D - Phase I Environmental Site Assessment | | | | | | | | | | | | | | |
| 3.1.E - Farmland Studies | | | | | | | | | | | | | | |
| 3.1.F - Secondary and Cumulative Review | | | | | | | | | | | | | | |
| 3.1.G - Address NEPA Specific Environmental Justice Issues | | | | | | | | | | | | | | |
| 3.1.H - Relocation Assistance Program Conceptual Survey | | | | | | | | | | | | | | |
| 3.1.I - Biological Assessment for Federally Listed Species | | | | | | | | | | | | | | |
| 3.1.J Not Used | | | | | | | | | | | | | | |
| 3.1.K- Determine Right of Way Encroachments | | | | | | | | | | | | | | |
| 3.1.L - Determine Potential Right of Way from Railway | | | | | | | | | | | | | | |
| 3.1.M- Waterway Permit | | | | | | | | | | | | | | |
| 3.1.N- Stream and Wetland Opportunities Inventory Report | | | | | | | | | | | | | | |
| 3.1.O- Phase II Environmental Site Assessment | | | | | | | | | | | | | | |
| 3.1.P- Air Quality Analyses | | | | | | | | | | | | | | |
| 3.1.Q - Mussel Survey | | | | | | | | | | | | | | |
| 3.1.R – FIS Analysis, Revisions, and Coordination | | | | | | | | | | | | | | |
| TOTAL 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | | |
| 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | | |
| 3.2.A - Value Engineering Study and Report | | | | | | | | | | | | | | |
| TOTAL 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | | |
| 3.3 - Stage2 | | | | | | | | | | | | | | |
| 3.3.A - Roadway | | | | | | | | | | | | | | |
| 3.3.A.A - Title Sheet | | | | | | | | | | | | | | |
| 3.3.A.B - Schematic | | | | | | | | | | | | | | |
| 3.3.A.C - General Notes | | | | | | | | | | | | | | |
| 3.3.A.D - Typical Sections | | | | | | | | | | | | | | |
| 3.3.A.E- Plan and Profile - Mainline | | | | | | | | | | | | | | |
| 3.3.A.F - Plan and Profile - Crossroads | | | | | | | | | | | | | | |
| 3.3.A.G - Plan and profile - Ramps | | | | | | | | | | | | | | |
| 3.3.A.H - Cross Sections | | | | | | | | | | | | | | |
| 3.3.A.I - Intersection Details | | | | | | | | | | | | | | |
| 3.3.A.J- Interchange Geometrics & Details | | | | | | | | | | | | | | |
| 3.3.A.K – Limited Access Fencing Plan | | | | | | | | | | | | | | |
| 3.3.B - Drainage | | | | | | | | | | | | | | |
| 3.3.B.A - Storm Sewer Profiles | | | | | | | | | | | | | | |
| 3.3.B.B - Culvert Detail Sheets including headwall and wingwall details | | | | | | | | | | | | | | |
| 3.3.B.C - Channel Relocation Details | | | | | | | | | | | | | | |
| 3.3.B.D - Underdrain details | | | | | | | | | | | | | | |
| 3.3.B.E - BMP Details | | | | | | | | | | | | | | |
| 3.3.B.F - Temporary Drainage (MOT) | | | | | | | | | | | | | | |
| 3.3.B.F.1 - Temporary Drainage (MOT) - Adding Temporary Drainage to Plans | | | | | | | | | | | | | | |
| 3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage Calculations | | | | | | | | | | | | | | |

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| | | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Total | | | |
| Task Description | | | | | | | | | | | | Hours | Cost | | |
| 3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing Details | | | \$58.89 | \$42.90 | \$36.06 | \$34.62 | \$22.36 | \$20.42 | | | | 0 | \$0 | | |
| 3.3.B.F.4 - Temporary Drainage (MOT) – Temporary Shoring | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.C - Traffic Control | | | | | | | | | | | | | | | |
| 3.3.C.A - Pavement Marking Plan | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.C.B - Signing Plan | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.D - Signals & ITS | | | | | | | | | | | | | | | |
| 3.3.D.A - Signal Plan Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.D.B - Interconnect Details | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.D.C - Systems Engineering Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.D.D - ITS (Traffic Surveillance) Plan Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E - Maintenance of Traffic | | | | | | | | | | | | | | | |
| 3.3.E.A - MOT General Notes | | | 4 | | 8 | 8 | | | | | | 20 | \$801 | | |
| 3.3.E.B - Detour Plan- Custom Guide Signs | | | 4 | | 12 | 12 | | | | | | 28 | \$1,084 | | |
| 3.3.E.C - Pedestrian/Bike Lane Detour – Plan Sheet | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.D - Temporary Signing Details | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.E - MOT Typical Sections | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.F - MOT Plan Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) | | | | | | | | | | | | | | | |
| 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) – Adjustments of Heads, Timing & Detection | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.G.2 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Temporary Pole Placement | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.H - New Temporary Signal | | | | | | | | | | | | | | | |
| 3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.I - Signalized Closures | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.J - MOT Coordination Discussions | | | 4 | | | | | | | | | 4 | \$236 | | |
| 3.3.E.K - MOT Constructability Coordination | | | 4 | | | | | | | | | 4 | \$236 | | |
| 3.3.E.L - Temporary Pavement Sections and Earthwork | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.M - Crossover Plan and Profile | | | | | | | | | | | | | | | |
| 3.3.E.M.1 - Crossover Plan and Profile - Horizontal & Vertical Design, Superelevation Design & Table | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.M.3 - Crossover Plan and Profile – Cross Section Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.N - MOT Temporary Access Details | | | | | | | | | | | | | | | |
| 3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.N.2 - MOT Temporary Access Details - Temporary Ramp Access | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.O - Miscellaneous MOT Details | | | | | | | | | | | | | | | |
| 3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.O.2 - Miscellaneous MOT Details - Custom Detailing | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.E.P - PIAC/Incentive Funds Request | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.F - Lighting Plan | | | | | | | | | | | | | | | |
| 3.3.F.A - Lighting Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.F.B - Power/Circuit Layout & Details | | | | | | | | | | | | 0 | \$0 | | |
| 3.3.F.C - Lighting Plan and Details | | | | | | | | | | | | 0 | \$0 | | |

| C-R-S | | TUS - Neighbor Street Bridge | | PROPOSAL LABOR SUMMARY | | | | | | | | | | | |
|--|--------------------------|------------------------------|------------------------|------------------------|-------------|----------------------------|-------------------|-----------------------------|------------------|-------------------|-------|-----------------------------|----------|---------|--|
| Consultant: | The Thrasher Group, Inc. | | | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | State Average Overhead Rate | | 157.79% | |
| Modification No. | | | | | | | | | | | | Consultant Overhead Rate: | | 207.19% | |
| PID No. | 118634 | | | | | | | | | | | Cost of Money: | | 0.19% | |
| Proposal Date | 6/27/2024 | | | | | | | | | | | Net Fee Percentage: | | 11% | |
| Task Description | No. of Units | Project Manager | Survey Project Manager | Project Engineer | CAD Manager | Survey Project Coordinator | Survey Crew Chief | Senior Env. Project Manager | Env. Scientist I | Env. Technician I | Total | | | | |
| | | | | | | | | | | | Hours | Cost | | | |
| 4.2.B - Traffic Signal Plans & ITS Plans | | \$58.89 | \$42.90 | \$36.06 | \$34.62 | \$22.36 | \$20.42 | | | | | | | | |
| 4.2.B.A - Wiring diagram & pole orientation | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.B - Timing Chart | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.C - Elevation Views of Mast Arm Poles | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.D - Traffic Signal Signs | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.E - ITS (Traffic Surveillance) | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.C - Signing Plans | | | | | | | | | | | | | | | |
| 4.2.C.A - Signing Plans | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.C.B - Elevation View of Major Signs | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.C.C - SignCAD | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D - Miscellaneous | | | | | | | | | | | | | | | |
| 4.2.D.A - Obtain Railroad Agreement | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.C - Project Site Plan | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.D - Update Systems Engineering Analysis | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.E - Baseline Construction Schedule | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.F - Not used | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.G - Title Sheet | | | | 4 | 4 | | | | | | | 8 | \$283 | | |
| 4.2.E - Lighting Plans | | | | | | | | | | | | | | | |
| 4.2.E.A - Lighting Details | | | | | | | | | | | | 0 | \$0 | | |
| 4.2.E.B - Lighting Details - Underpass Lighting | | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | | 22 | 0 | 72 | 72 | 0 | 0 | 0 | 0 | 0 | | 166 | \$6,384 | | |
| 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | | | | |
| 4.3.A - Roadway/Interchange Costs | | 4 | | 8 | 8 | | | | | | | 20 | \$801 | | |
| 4.3.B - Right of Way | | | | | | | | | | | | 0 | \$0 | | |
| 4.3.C - Structures Costs | | 2 | | 4 | 4 | | | | | | | 10 | \$400 | | |
| 4.3.D - Utility Costs | | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone | | 6 | 0 | 12 | 12 | 0 | 0 | 0 | 0 | 0 | | 30 | \$1,201 | | |
| 4.4 - Final Plan Package | | | | | | | | | | | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | 10 | | | | | | | | | | 10 | \$589 | | |
| 4.4 - Final Plan Package | | 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 10 | \$589 | | |
| 4.5 - Project Management for Final Engineering and Right of Way | | | | | | | | | | | | | | | |
| 4.5.A - Meetings | | | | | | | | | | | | 0 | \$0 | | |
| 4.5.B - General Oversight | | 40 | 16 | 8 | 8 | | | | | | | 72 | \$3,608 | | |
| 4.5.C - Project Set Up | | | | | | | | | | | | 0 | \$0 | | |
| 4.5.D - Non Routine (Soft) Items | | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase | | 40 | 16 | 8 | 8 | 0 | 0 | 0 | 0 | 0 | | 72 | \$3,608 | | |
| 4.6 - Pre-Bid Activities | | | | | | | | | | | | | | | |
| 4.6.A - Pre-Bid Questions | | | | | | | | | | | | 0 | \$0 | | |
| TOTAL 4.6 - Pre-Bid Activities | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | \$0 | | |
| 4.7 - Limited Review | | | | | | | | | | | | | | | |
| 4.7.A - QA/QC for Limited Review | | | | | | | | | | | | 0 | \$0 | | |
| 4.7 - Limited Review | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 | \$0 | | |
| TOTAL - Final Engineering Phase | | 98 | 16 | 94 | 92 | 0 | 0 | 0 | 0 | 0 | | 300 | \$13,033 | | |

Attachment 2

Subconsultant Proposals

Proposal:

**TUS-Nighbor Street Bridge, PID 118634
Village of Newcomerstown
Tuscarawas County, Ohio**

Environmental Services

Prepared for:

**The Thrasher Group, Inc.
400 3rd Street SE, Suite 309
Canton, Ohio 44702**

ES Project No.: 18228

Date: 5/24/2024

Revised: 8/26/2024

Prepared by:



5070 Stow Rd.
Stow, OH 44224
800-940-4025

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LIST OF FIGURES

(None, See ODOT RFP)

APPENDICES

Appendix A. Scope of Services

Appendix B: Cost Proposal

PROJECT UNDERSTANDING

EnviroScience, Inc. (ES) is pleased to submit a cost proposal to the Ohio Department of Transportation Office of Environmental Services (OES) to perform environmental services on behalf of Thrasher Group for the TUS-Neighbor Street project, PID 118634, Village of Newcomerstown, Tuscarawas County, Ohio. The project will replace the existing structurally deficient bridge (SFN 7960999) carrying Neighbor Street over Buckthorn Creek. The existing structure is located at 40.276124, -81.612109. It will be replaced with a new two-lane bridge and associated approach roadway work using the standard-build process. Limited Right-Of-Way take along Neighbor Street is anticipated.

1.0 SCOPE OF SERVICES

The scope of services for this task order proposal is based on ODOT's Environmental Scope of Services. (Appendix A). ES will perform the tasks listed below. All reports and supporting documentation will be uploaded to EnviroNet. The proposed Tasks include:

- Level 1 Ecological Survey (ESR) and (mobilization/travel time)
- RMR Screening
- Asbestos Survey
- C2 Categorical Exclusion Document
- Public Involvement
- Floodplain Coordination
- Waterway Permit Determination Request (PDR)
- Recreational Boating Review Form
- General Oversight/Project Management
- Preconstruction Notification (*If authorized*)

TASK 1. LEVEL 1 ECOLOGICAL SURVEY REPORT (ESR)

ES will conduct an ODOT Level 1 Ecological Survey in accordance with current ODOT Ecological Manual guidelines. ES will complete the necessary literature review and conduct a field visit to document ecological resources at the site including wetlands, streams, ditches, ponds, lakes/reservoirs, and state or federally listed species habitat including that for the federally endangered Indiana Bat and federally threatened Northern long-eared bat. The study area is located along Neighbor Street. We propose the study area width to be 150 feet in width, (75 feet from the roadway centerline in each direction) and 300-feet in length. We will confirm this with Thrasher and ODOT District 11 prior to performance of any field work.

Ecological resources/features located during the survey will be mapped in .pdf file format for reporting purposes and be made available to the client in shape files so they can be added to CADD/MicroStation drawings. We will coordinate with Thrasher and the City during development of the ESR and determination of wetlands/water resource impacts. We will complete the Level 1 ESR in the online EnviroNet ecological survey reporting template which enables ODOT digital access for review and approval purposes. Work includes travel/mobilization, field work, reporting, general coordination, QA/QC, and document revisions if required by ODOT District 11.

Buckthorn Creek is a Group 1 stream with a drainage area of 22.8 sq. mi., so a mussel reconnaissance survey will be necessary.

Assumptions

- The Study area size is approximately 1.03 acres and an estimated two or fewer streams and wetlands will be on-site.
- The costs generally follow the fees and assumptions of a "Low" Level 1 ESR listed in ODOT's *Consultant Fee Estimation Guidance*, plus additional hours of mobilization/travel time and mussel reconnaissance survey .

TASK 2. RMR SCREENING

ES will perform a Regulated Materials Review (RMR) Screening and prepare the RMR Review Form, following the current version of ODOT's *RMR Guidance*. Based on a review of Google Aerial imagery, the study area is residential. Observed land use includes single family residential. Permanent and temporary right-of-way is anticipated to be needed. Deep excavation may be needed for drainage structures and at the bridge for bridge abutment work. In addition to the RMR Screening form an ORPS data-base report will be prepared and completion of the PILUT Table will be necessary. Required maps and attachments will be provided to complete the package.

TASK 3. ASBESTOS SURVEY

EnviroScience will perform an asbestos survey of the subject structure with State of Ohio licensed asbestos hazard evaluation specialist(s) in accordance with National Emissions Standard for Hazardous Air Pollutants (NESHAP) Guidelines, EPA Regulation 40 CFR, Subpart M, Part 61 and OEPA asbestos regulations OAC 3745-20). Further, the Occupational Safety and Health Administration's (OSHA's) Asbestos Standard for the Construction Industry (29 CFR 1926.1101) regulates all renovation and demolition work involving building materials which contain any amount of asbestos.

All accessible portions of the structure will be field investigated for the presence of suspected asbestos containing materials (ACMs). A visual inspection of the deck, slab, and/or beams, joints, railing, and abutments will be conducted. The structure will be visually inspected for the presence of utilities affixed to the structure. A report summarizing the survey will be prepared in accordance with ODOT Asbestos Guidelines and uploaded to EnviroNet with a copy provided to Thrasher. An Ohio EPA Notification of Demolition and Renovation form must be submitted ten (10) working days prior to work activities. As part of the reporting, ES will complete the following parts of the form:

- Section 1 - General Information - Line 1, 2, 3, 4, and 5
- Section 2 - Project Address Specific Information - A, B, C, and D as applicable.

The remaining applicable sections of the form will be completed by the contractor/county and the notification form submitted to the OEPA Asbestos Section at least 10 working days prior to starting the work.

TASK 4. PUBLIC INVOLVEMENT

It will be important to document pertinent stakeholder consultation and ensure public involvement efforts are compliant with current ODOT public involvement guidance.

The public involvement environmental scope of services includes the following tasks:

Prepare property owner notification/right of entry letters (PONL) to be mailed to all property owners and businesses in the project area. A draft of the PONL will be provided to Ohio District 11 for review and approval. ES will print and mail the PONL. Additionally, ES will manage all public responses received and document all public involvement activities in EnviroNet.

TASK 5. FLOODPLAIN COORDINATION

ES will coordinate with the District 11 Hydraulic Engineer to ensure that all required Floodplain documentation is completed in accordance with Executive Order 11988 and the National Floodplain Insurance Program. The District 11 Hydraulic Engineer will provide the following documents based on the requirements of the ODOT Location and Design Manual, Volume 2:

- All correspondence to the Local Floodplain Coordinator
- A letter of Compliance (Form LD-51)
- Hydraulic and Hydrologic Calculations demonstrating carrying capacity of the body of water, if applicable
- Variances from the local floodplain regulations, if applicable
- A No-Rise Certificate, if applicable
- A response stating the project is exempt from analysis and the rationale, if applicable

ES will upload all Floodplain documentation to EnviroNet.

TASK 6. WATERWAY PERMIT DETERMINATION REQUEST

EnviroScience will prepare the PDR form by following the most-recent ODOT Waterway Permits Manual. The purpose of the PDR is to request the ODOT-Office of Environmental Services (OES) Waterway Permits Unit to review proposed waterway impacts, determine the appropriate permitting and mitigation approach for the project, and apply a waterway permit when applicable. Aquatic resources will be listed and impacts (including temporary and permanent fill types and quantities for each resource) will be calculated.

Assumptions:

- Worst case impacts will be calculated based on most current design plans available at the time.
- The Ordinary High-Water Mark (OHWM) elevation will be provided by the Designer.
- The project is Local-Let and therefore does not require completion of a TAF Checklist.

TASK 7. RECREATIONAL BOATING REVIEW FORM

EnviroScience will prepare a Recreational Boating Review Form for the project, following the Recreational Boating Guidance. The form will be uploaded to EnviroNet. This cost proposal assumes the OES will submit the completed form to ODNR and complete all necessary coordination with the Ohio Department of Natural Resources.

TASK 8. GENERAL OVERSIGHT/PROJECT MANAGEMENT

This task includes general oversight, project set-up/admin, ongoing coordination with District 11, and other non-routine items not included in other scoped tasks throughout the duration of this project.

TASK 9. PRECONSTRUCTION NOTIFICATION (PCN) (IF AUTHORIZED)

If authorized, based on the results of the Waterway PDR, EnviroScience will prepare a Section 404 Nationwide permit pre-construction notification package prior to construction for submission to the U.S. Army Corps of Engineers.

ES will closely coordinate with Thrasher and ODOT District 11 to determine and confirm anticipated impacts prior to preparation of the PCN.

Coordination with USACE (Corps) – ES will coordinate as needed with the Corps during the permitting process. This includes attending a jurisdictional determination field meeting with the Corps if needed.

2.0 DIRECT COSTS

EnviroScience direct costs for the ESR and Bridge Asbestos Survey include:

Ecological Survey Directs:

- ESR Mileage (1 vehicle, 2 staff) – 151 miles x \$0.58 per mile..... \$87.58
 - GPS Rental (2 ea.) x (1 days) @ \$156.00 per day..... \$312.00
- ESR sub-total \$399.58

Asbestos Survey Directs:

- AS Mileage (1 vehicle, 1 staff) – 151 miles x \$0.58 per mile..... \$87.58
 - Lab/Postage (1) @ \$100.00 \$100.00
- Asbestos sub-total \$187.58

Public Involvement Directs:

- Printing/Postage (50) @ \$2.00 per mailing \$100.00
- Public Involvement sub-total \$100.00

Total EnviroScience Direct Costs..... \$687.16

Our detailed cost proposal is presented in Appendix B

It is understood by ES that rental items are specialty items that are not owned by EnviroScience, Inc., and were not included in the calculation of the overhead rate. EnviroScience requests pricing from multiple vendors to ensure the best value to ODOT.

3.0 SCHEDULE

EnviroScience will coordinate early with ODOT District 11 and The Thrasher Group to determine the availability of preliminary design schematics/plans during the environmental project development. We will coordinate with the design team and District 11 to develop a schedule of project deliverables to meet the October 1, 2025 Environmental Document date listed in ELLIS.

We will maintain close communication with ODOT District 11 and The Thrasher Group regarding schedule and progress during the duration of this project assignment taking into consideration any schedule developments/deviations/or preferences by ODOT District 11. A written progress report will be provided with each invoice.

4.0 CLIENT CONFIDENTIALITY

EnviroScience, Inc. maintains a strict policy of client confidentiality. All information regarding client's samples and data are kept confidential in EnviroScience's files and released only to authorized personnel named by our client and to the respective government agencies that grant permission to collect data for scientific purposes. All original data sheets, logs, notes, reports, and memoranda are stored in EnviroScience's archives. These documents will be retained for a period of five years or longer at the request of OES.

APPENDIX A

Scope of Services

L P A S C O P E O F S E R V I C E S F O R M

A. Project Identification

County-Route-Section (*Project Name*): TUS Neighbor Street Bridge

Project Sponsor / Maintenance Responsibility: Village of Newcomerstown

Local Let
 ODOT Let

PID (*ODOT assigned*): 118634

Scope Field Review: May 10, 2023 Scope Meeting: May 10, 2023

Proposed Sale Date: January 2027 State Fiscal Year: 2027

Highway Functional Classification: 07 – Local

Federal Aid System (*ODOT assigned*): Yes (Bridge Off-System Eligible)

B. Design Standard

ODOT (applicable design standards and guidelines)

C. Project Description

Complete replacement of Bridge No. TUS NBRST 05320 (SFN 7960999), which carries Neighbor Street over Buckhorn Creek in the Village of Newcomerstown of Tuscarawas County.

Prior studies / plan (identify):
SFY 2023 Municipal Bridge Application (August 2022)

Estimate Project Length:
(begin pavement to end pavement including bridge) 200' +/-

Work Length:
(including project length & approach work) 300' +/- (as needed for guardrail and grading)

Alignment: Existing
 Relocated (*explain*)

Profile: Existing
 New (*explain*) Adjust profile as needed for proposed structure; tie into ex. asap

Logical Termini: Minimum 25' approach pavement beyond proposed approach slabs (each side). Tie into existing profile as soon as possible.
(w/ explanation)

D. Typical Sections

| | | | |
|-----------------|--------------------------------|--|--------------------------------|
| Existing | Pavement Width: <i>18' +/-</i> | <input type="checkbox"/> curb to curb | Graded Shoulder: <i>Varies</i> |
| | | <input checked="" type="checkbox"/> edge to edge | Treated Shoulder: <i>None</i> |
| | R/W Width: <i>Unknown</i> | | |
| | Bridge Width: <i>23' +/-</i> | <input checked="" type="checkbox"/> f/f of rails, <input type="checkbox"/> t/t of curbs, or <input type="checkbox"/> t/t of parapets | |

| Existing | <u>Yes</u> | <u>No</u> | <u>Comment / Type</u> |
|-----------------|-------------------------------------|-------------------------------------|--|
| Median | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Curbs | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Curb ramps | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Sidewalks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Width: <i>3' +/- (North side only)</i> |
| Guardrail | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>Type 5 – on structure only (no existing guardrail beyond bridge limits)</i> |

Additional Things To Note About **Existing** Typical Section:

| | | | |
|-----------------|--|--|--|
| Proposed | Pavement Width: <i>Transition to match existing</i> | <input type="checkbox"/> curb to curb | Graded Shoulder: <i>Per L&D Fig. 301-3</i> |
| | | <input checked="" type="checkbox"/> edge to edge | Treated Shoulder: <i>N/A</i> |
| | R/W Width: <i>TBD (proposed R/W to be obtained as needed to facilitate construction)</i> | | |
| | Bridge Width: <i>26' pref.; 25' min.</i> | <input checked="" type="checkbox"/> f/f of rails, <input type="checkbox"/> t/t of curbs, or <input type="checkbox"/> t/t of parapets | |

| Proposed | <u>Yes</u> | <u>No</u> | <u>Comment / Type</u> |
|-----------------|-------------------------------------|-------------------------------------|--|
| Median | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Curbs | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Curb ramps (*) | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Sidewalks | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Width: _____ |
| Guardrail | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <i>Type MGS (MGS Bridge Terminal Assembly, Type 1)</i> |

Note (*) – Curb ramps must be updated to current ADA standards.

Additional Things To Note About **Proposed** Typical Section:

Design Guidelines for Low Volume (<400 ADT) Roads yields Bridge Width = Width of Traveled Way (18') + Two (2) Feet+ Five (5) Foot Sidewalk = 25' minimum. For proposed pavement buildup, ODOT's Pavement Design Manual Appendix C (Short Projects) can be used.

Supplemental Information:

| | | | |
|--|---------------------------------|-------------------|-------------------|
| ADT | <u>120 (2026) - Opening Yr.</u> | Design ADT | <u>130 (2046)</u> |
| DHV | <u>16 (2046)</u> | Certified Traffic | <u>N/A</u> |
| T24 | <u>3% (assumed)</u> | Legal Speed | <u>25 MPH</u> |
| Design Speed | <u>25 MPH</u> | | |
| Comments: <i>Traffic data for Neighbor Street not available on ODOT Traffic Management Monitoring System (TMMS); Supplemental Information is based on assumed ADT plugged into Bridge Project Design Designation Worksheet (Excel File), which is provided for reference. Consultant to verify accuracy of ADT with Village of Newcomerstown or solicit OMEGA RTPO for traffic count.</i> | | | |

E. Right-of-Way

| | <u>Yes</u> | <u>No</u> | <u>Remarks</u> |
|--------------------------------|-------------------------------------|-------------------------------------|--|
| Right-of-Way Plan: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| Approximate Number of Parcels: | | | <u>Temporary R/W anticipated at all four (4) corners, and permanent R/W likely on North side due to grading/sidewalk</u> |
| Known Relocations: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Railroad Involvement: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Railroad Name: | | | |
| Encroachments: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Airway Highway Clearance: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| Airport Name: | | | |
| Comments: | | | |

Note: Provide a footprint of proposed and existing right of way limits as soon as available to the District Environmental Coordinator and District Real Estate Administrator.

Caution: Environmental needs to be clear prior to the beginning of right of way acquisition. A Local Public Agency, utilizing their own monies, assumes many risks by proceeding with acquisition prior to environmental being cleared. These risks include purchasing r/w that may never be used for the project and purchasing a site that contains the need for a hazardous waste cleanup.

F. Utilities

| | | <u>Yes</u> | <u>No</u> | <u>Name of Company</u> | | |
|--------------------|---|-------------------------------------|-------------------------------------|--------------------------|--------------------------|---|
| Aerial | Phone | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | Cablevision | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | Power | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| Underground | Phone | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | Cablevision | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | Power | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | Gas | <input checked="" type="checkbox"/> | <input type="checkbox"/> | | | |
| | Pipelines: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | | | |
| | | | | <u>Private</u> | <u>Public</u> | <u>Name of Company</u> |
| | Water | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <i>Potential Water Supply Tank Overflow SW Corner</i> |
| Sanitary | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Storm | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| Other: | <i>Abandoned? pole located at SW Corner (to be verified as abandoned)</i> | | | | | |
| Comments: | <i>Consultant/LPA to verify Utilities during the Plan Development Process (PDP)</i> | | | | | |

G. Structure Requirements

| | | | |
|--|--|--|-------------------------------------|
| Existing Structure Information: | Structure type: | <i>Single-span steel beam on reinforced concrete deck and abutments. Deck also has asphalt concrete wearing surface.</i> | |
| | Bridge No.: | <u>TUS NBRST 05320</u> | Structural File No.: <u>7960999</u> |
| | Sufficiency Rating: | <u>40.1</u> | General Appraisal: <u>3</u> |
| | Crossing: | <u>Buckhorn Creek</u> | |
| | Bridge Length: | <u>58 ft.</u> | Number of Spans: <u>1</u> |
| | Eligible for the National Historical Register: | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |

| | | | | |
|--|---|---|---------------------------|--|
| Proposed Structure Information: | New Structure: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | |
| | Rehabilitate Existing Bridge by: | <u>N/A (complete replacement)</u> | | |
| | Structure Type: | <i>Single-span prestressed concrete box beam with composite reinforced concrete deck and reinforced concrete substructure (substructure type TBD)</i> | | |
| | Beam Type: | <input checked="" type="checkbox"/> Concrete Box; <input type="checkbox"/> Steel; <input type="checkbox"/> n/a | | |
| | Structure Width: | <u>*26' preferred f/f railing</u> | Number of Spans: <u>1</u> | |
| | Local must have proposed structure's load rating on file (to be provided by consultant) | | | |
| | Other Design Considerations / Explanation of Change in Line/Grade: <i>Adjust profile as needed to accommodate proposed structure; tie into ex. profile asap. *See Proposed Typical Section Comments for Bridge Width determination comments; 25' minimum.</i> | | | |
| Guardrail Type: | <i>BR-2-15 (N. side), TST-1-99 (modified) OR BR-2-15 less sidewalk (S. side); MGS Bridge Terminal Assemblies, Type 1</i> | | | |

H. Design Exception(s) Required

Yes Explain: *Low Volume (<400 ADT) and Low Speed (25 MPH); none anticipated*
 No

I. Traffic Control

| | <u>Yes</u> | <u>No</u> | <u>Remarks</u> |
|-----------|--------------------------|-------------------------------------|----------------|
| Signing: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Striping: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Lighting: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| Signals: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |
| RPMs: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | _____ |

J. Maintenance of Traffic

Type of MOT: Detour, Part Width, Daily Flagging

Remarks/Describe: *Project is to be constructed under closure*

Will Pedestrian Traffic need to be maintained? *Pedestrian detour will need to be provided*

Remarks/Describe: _____

K. Driveways

Yes Type: *Residential drives near proposed project limits; impact will depend on proposed profile.*
 No

L. Project Funding

Project Cost Estimate: \$1,353,618.00

Quantity splits needed in plans to differentiate funding participation: Yes No Comments: _____

Coordination with Concurrent Projects Required: Yes No Comments: _____

Funding Source: Municipal Bridge (4R87) Federal Maximum: \$951,503 Funding Split: 95

Cost Estimates:

| | Local Information | | | State/Federal Information | | | Total |
|--------------------------|-------------------|---------------------|---------------|---------------------------|------------------------------|---------------|--------------------|
| | SAC | Total Local Funds | Percent Split | SAC | Total Federal or State Funds | Percent Split | |
| Preliminary Engineering | 4BG7 | \$240,000 | 100 | | | | \$240,000 |
| Right-of-Way | 4BG7 | \$70,000 | 100 | | | | \$70,000 |
| Detailed Design | 4BG7 | \$59,921 | 100 | | | | \$59,921 |
| Utilities | | | | | | | |
| Construction | 4BG7 | \$44,713.50 | 5 | 4R87 | \$849,556.50 | 95 | \$894,270 |
| Construction Engineering | 4BG7 | \$4,471.35 | 5 | 4R87 | \$84,955.65 | 95 | \$89,427 |
| Totals: | | \$419,105.85 | | | \$934,512.15 | | \$1,353,618 |

Additional remarks about funding:

4BG7 is the SAC for Local funds on ODOT Let projects

M. Cost Recovery

| | | |
|--|------------------------------|--|
| Does the LPA intend to recover any Direct Labor Costs associated with this project? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Does the LPA intend to recover any Fringe and Overhead Costs associated with this project? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

If the LPA does intend to recover Fringe and Overhead Costs, by what method do they intend to recover those costs?

- 1. Direct Labor only (no indirect cost recovery for fringe benefit or overhead costs)
- 2. Direct Labor plus indirect costs determined using the Federal De Minimis Indirect Cost Rate¹
- 3. Direct Labor plus Approved Fringe Benefit Costs (fringe benefits only)²
- 4. Direct Labor plus indirect costs determined using the approved applicable Cost Allocation Plan rate
- 5. No cost recovery of any LPA direct labor, fringe benefits, or overhead costs.

| | | |
|--|------------------------------|-----------------------------|
| Does the LPA currently have a timekeeping system in place? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|--|------------------------------|-----------------------------|

| | | |
|--|------------------------------|-----------------------------|
| If so, does that system track both payroll and project hours concurrently? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|--|------------------------------|-----------------------------|

If different systems, how does the LPA reconcile project hours to payroll?

How often are payroll records prepared?

| | | |
|---|------------------------------|-----------------------------|
| For employees working on multiple activities, does the LPA track daily time by activity/project on the time sheets? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|---|------------------------------|-----------------------------|

(Tracking hours worked, without activities, on Federal projects is non-compliant. All activity hours must be shown)

| | | |
|--|------------------------------|-----------------------------|
| Does the LPA ensure that timecards are signed by the employee? | <input type="checkbox"/> Yes | <input type="checkbox"/> No |
|--|------------------------------|-----------------------------|

N. Environmental – see attached Environmental Scope of Services

O. Roles/Responsibilities

Note: Consultants used for development of Construction plans, R/W plans, R/W acquisition/appraisals, and Construction inspection must be pre-qualified by ODOT.

| | |
|-------------------------------------|---|
| Construction Plan Development: | <i>ODOT Prequalified Consultant</i> |
| Proposal/Specification Development: | <i>ODOT</i> |
| LPA Agreement: | <i>ODOT</i> |
| Form and Preliminary Legislation: | <i>ODOT</i> |
| Environmental Tasks: | <i>ODOT Prequalified Consultant (per Env. Scope of Services)</i> |
| Advertising and Award of Contract: | <i>ODOT</i> |
| Construction Inspection: | <i>ODOT</i> |
| R/W Plan Development: | <i>ODOT Prequalified Consultant</i> |
| R/W Acquisition / Appraisals: | <i>ODOT Prequalified Consultant</i> |
| Utility Relocation: | <i>Coordination during PDP by ODOT Prequalified Consultant; Utility Note and final relocation commitments by ODOT</i> |

P. Field Review – held on May 10, 2023 with ODOT D11 and Thrasher staff

Q. Commitment Dates

| Milestone | Date | Completed | SFY (Qtr) |
|---|------------|-----------|-----------|
| LPA Scope of Services Document | 06/02/2023 | ✓ | 2023 (Q4) |
| Initial Project Scope Complete | 06/06/2023 | ✓ | 2023 (Q4) |
| Stage 1 Plans - Submitted | 01/03/2025 | – | 2025 (Q3) |
| Preliminary R/W Review Submission - Submitted | 01/03/2025 | – | 2025 (Q3) |
| Stage 2 Plans - Submitted | 09/01/2025 | – | 2026 (Q1) |
| Compliance R/W Review Submission- Submitted | 09/01/2025 | – | 2026 (Q1) |
| Environmental Document Approved | 10/01/2025 | – | 2026 (Q2) |
| R/W Authorized | 10/17/2025 | – | 2026 (Q2) |
| Stage 3 Plans - Submitted | 07/03/2026 | – | 2027 (Q1) |
| R/W Acquisition Complete | 08/31/2026 | – | 2027 (Q1) |
| District R/W Certification | 09/24/2026 | – | 2027 (Q1) |
| Plan Package Received in C.O. | 10/01/2026 | – | 2027 (Q2) |
| Sale | 01/01/2027 | – | 2027 (Q3) |
| Award | 01/01/2027 | – | 2027 (Q3) |
| Begin Construction | 04/01/2027 | – | 2027 (Q4) |
| End Construction | 09/30/2027 | – | 2028 (Q1) |

APPENDIX B

Cost Proposal

SUMMARY OF STEPS

PROPOSAL COST SUMMARY - TECHNICAL SERVICES COST PROPOSAL AND LABOR RATES FOR:

CONTRACT: Sub to Thrasher Group, Inc
 PID NO.: 118634
 C/R/S : TUS-Neigbor Street
 CONSULTANT: EnviroScience, Inc.
 DESCRIPTION: Environmental Services
 PROPOSAL DATE: July 19, 2023
 REVISED DATE: August 26, 2024

Overhead Percentage* = 172.32%
 Average Overhead Percentage = 157.79% (Net. Fee Calc.)
 Net Fee Percentage = 11.00%
 Cost of Money = 4.13%

| Task - Description | Hourly Rate | Total Hours | Direct Labor Costs | Overhead Costs | Cost of Money | Other Direct Costs | Subcontractor Cost | Net Fee | Total Cost |
|---|----------------|-------------|--------------------|-------------------|-----------------|--------------------|--------------------|-------------------|--------------------|
| Task 1. Level 1 Ecological Survey (ESR) with Mobilization | \$33.39 | 40 | \$1,335.58 | \$2,301.47 | \$55.16 | \$399.58 | \$0.00 | \$378.73 | \$4,470.52 |
| Task 2. RMR Screening | \$37.05 | 25 | \$926.24 | \$1,596.10 | \$38.25 | \$0.00 | \$0.00 | \$262.65 | \$2,823.24 |
| Task 3. Asbestos Survey | \$34.87 | 20 | \$697.38 | \$1,201.73 | \$28.80 | \$187.58 | \$0.00 | \$197.76 | \$2,313.25 |
| Task 4. Public Involvement | \$31.69 | 8 | \$253.54 | \$436.90 | \$10.47 | \$100.00 | \$0.00 | \$71.90 | \$872.81 |
| Task 5. Floodplain Coordination | \$45.34 | 8 | \$362.72 | \$625.04 | \$14.98 | \$0.00 | \$0.00 | \$102.86 | \$1,105.60 |
| Task 6. Waterway PDR | \$37.78 | 20 | \$755.50 | \$1,301.88 | \$31.20 | \$0.00 | \$0.00 | \$214.24 | \$2,302.82 |
| Task 7. Recreational Boating Review Form | \$37.89 | 8 | \$303.14 | \$522.37 | \$12.52 | \$0.00 | \$0.00 | \$85.96 | \$923.99 |
| Task 8. Gen. Oversight/Project Management | \$49.38 | 10 | \$493.75 | \$850.83 | \$20.39 | \$0.00 | \$0.00 | \$140.01 | \$1,504.98 |
| Total for Base Tasks | \$36.89 | 139 | \$5,127.85 | \$8,836.32 | \$211.77 | \$687.16 | \$0.00 | \$1,454.11 | \$16,317.21 |
| If Authorized Task 9. Preconstruction Notification (PCN) | \$36.18 | 38 | \$1,374.80 | \$2,369.06 | \$56.78 | \$0.00 | \$0.00 | \$389.85 | \$4,190.49 |
| Grand Total All | | | | | | | | | \$20,507.70 |

**DETAILED BREAKDOWN OF PROPOSED TOTAL HOURS,
PERSONNEL CATEGORIES, AND LABOR RATES**

CONTRACT: Sub to Thrasher Group, Inc
 PID NO.: 118634
 C/R/S : TUS-Neighbor Street
 CONSULTANT: EnviroScience, Inc.
 DESCRIPTION: Environmental Services
 PROPOSAL DATE: July 19, 2023
 REVISED DATE: August 26, 2024

| Personnel Category | Salary Rate |
|--------------------------|-------------|
| Scientist 1 | \$20.10 |
| Senior Scientist I (SS1) | \$49.96 |
| GIS II (GIS2) | \$29.40 |
| Scientist 2 (SCI2) | \$23.43 |
| Scientist 3 (SCI-3) | \$31.12 |
| Scientist 4 (SCI 4) | \$41.89 |
| Senior Planner II (SP2) | \$48.79 |

HOURS BY PERSONNEL CATEGORY

| Task - Description | SCI1 | Sr.S1 | GIS 2 | SCI2 | SCI 3 | SCI4 | SP2 | Total Hours | Labor Costs |
|---|------|-------|-------|------|-------|------|-----|-------------|-------------------|
| Task 1. Level 1 Ecological Survey (ESR) with Mobilization | 0 | 2 | 4 | 8 | 16 | 8 | 2 | 40 | \$1,335.58 |
| Task 2. RMR Screening | 0 | 0 | 5 | 0 | 8 | 8 | 4 | 25 | \$926.24 |
| Task 3. Asbestos Survey | 0 | 0 | 2 | 0 | 12 | 4 | 2 | 20 | \$697.38 |
| Task 4. Public Involvement | 0 | 0 | 0 | 4 | 2 | 0 | 2 | 8 | \$253.54 |
| Task 5. Floodplain Coordination | 0 | 0 | 0 | 0 | 0 | 4 | 4 | 8 | \$362.72 |
| Task 6. Waterway PDR | 0 | 4 | 4 | 0 | 6 | 6 | 0 | 20 | \$755.50 |
| Task 7. Recreational Boating Review Form | 0 | 1 | 0 | 0 | 5 | 0 | 2 | 8 | \$303.14 |
| Task 8. Gen. Oversight/Project Management | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 10 | \$493.75 |
| Total Base Direct Labor Costs | 0 | 12 | 15 | 12 | 49 | 30 | 21 | 139 | \$5,127.85 |
| If Authorized | | | | | | | | | |
| Task 9. Preconstruction Notification (PCN) | 0 | 7 | 15 | 0 | 8 | 8 | 0 | 38 | \$1,374.80 |
| Grand Total All | | | | | | | | | \$6,502.65 |

DETAILED BREAKDOWN OF NON-LABOR DIRECT COSTS

CONTRACT: Sub to Thrasher Group, Inc

PID NO.: 118634
 C/R/S : TUS-Neigbor Street
 CONSULTANT: EnviroScience, Inc.
 DESCRIPTION: Environmental Services
 PROPOSAL DATE: July 19, 2023
 REVISED DATE: August 26, 2024

| ODC Category | Rates |
|--|----------|
| Lab Analytical/Postage | \$100.00 |
| Mailing (2 color copies+ Envelope + Postage) | \$2.00 |
| Shallow Dive Pkg. #3 (2-persons) | \$236.00 |
| Trimble GeoXT GPS Rental | \$156.00 |
| Hotel (GSA Rate + Local Tax / Fees) | \$105.00 |
| Per Diem (CONUS, overnight) | \$51.00 |
| Mileage (includes daily mileage) | \$0.580 |

HOURS BY PERSONNEL CATEGORY

| Task - Description | Lab/post. | Mailing | Dive Pkg. | GPS | Hotel | Per Diem | Mileage | | | Total Direct Costs |
|---|-----------|---------|-----------|-------|-------|----------|---------|---|---|--------------------|
| ----- | ----- | ----- | ----- | ----- | ----- | ----- | ----- | | | ----- |
| Task 1. Level 1 Ecological Survey (ESR) with Mobilization | | | | 2 | | | 151 | | | 399.58 |
| Task 2. RMR Screening | | | | | | | | | | 0.00 |
| Task 3. Asbestos Survey | 1 | | | | | | 151 | | | 187.58 |
| Task 4. Public Involvement | | 50 | | | | | | | | 100.00 |
| Task 5. Floodplain Coordination | | | | | | | | | | 0.00 |
| Task 6. Waterway PDR | | | | | | | | | | 0.00 |
| Task 7. Recreational Boating Review Form | | | | | | | | | | 0.00 |
| Task 8. Gen. Oversight/Project Management | | | | | | | | | | 0.00 |
| Task 9. Preconstruction Notification (PCN) | | | | | | | | | | 0.00 |
| Subtotal | 1 | 50 | 0 | 2 | 0 | 0 | 302 | 0 | 0 | 687.16 |
| TOTAL DIRECT COSTS | | | | | | | | | | 687.16 |

June 10, 2024

Curtis J Deibel, P.E.
The Thrasher Group, Inc.
400 3rd Street SE, Suite 309
Canton, Ohio 44702

**RE: 2nd Revised Proposal for Geotechnical Engineering Services
TUS-Neighbor Street Bridge
PID #118634
Newcomerstown, OH**

Dear Mr. Deibel:

Per our recent correspondence, NEAS is providing an updated proposal to perform a geotechnical exploration for the above referenced structure. Our revisions were limited to updates to current rates. The previously proposed scope remains.

The following sections of this fee proposal present, NEAS's understanding of the project, purpose, scope of services, fee, and closing. The target soil boring plan, drilling schedule and ODOT's Proposal for the Geotechnical Exploration cost summary spreadsheet are attached.

PROJECT INFORMATION

NEAS understands that The Thrasher Group, Inc. is working to develop construction contract plans to replace the existing deficient structure with a new single-span prestressed concrete box beam bridge with composite reinforced concrete deck and reinforced concrete substructure (substructure type TBD).

PROPOSED SCOPE OF WORK

The purpose of NEAS's geotechnical engineering services is to perform a subsurface exploration within the planned limits of the referenced project to obtain sufficient data regarding the subsurface soil conditions that will serve as the basis for development of design and construction recommendations for the bridge.

NEAS proposes the following scope of services to achieve the above-stated purpose:

1. **Management and Coordination:** NEAS will coordinate and manage the site reconnaissance, subsurface exploration, laboratory testing, and geotechnical engineering analyses for the proposed geotechnical engineering services.
2. **Reconnaissance and Boring Layout:** NEAS personnel will review available literature and information regarding the project site which includes; the review of published soil and geologic information, historical plan and record review, and proposed/preliminary project information. Following our literature review, NEAS will mobilize to the proposed site to observe the visible site conditions and establish boring locations in the field in accordance with ODOT's Specifications for Geotechnical Explorations (SGE). It is anticipated that the boring locations will be positioned as

indicated on the attached target soil boring plan. Based on understanding of the project it is anticipated that 2 project borings will be completed. There are no historic geotechnical borings available for this structure nor were there any found within a relevant radius of the site. An examination of available well logs was inconclusive as to the probable depth to bedrock as the site sits very near the edge of an alluvial plain in which shale bedrock is near the surface a short distance to the west but soils are much deeper to the south and east. For budgetary purposes, we assumed that the borings would be drilled to 100 feet below the present ground surface. Actual depths will be determined based on field conditions and the requirements of (SGE). The specific locations will be selected by NEAS field personnel to allow access by the drill rig and avoid existing overhead/underground utilities. The boring locations will be located in the field by the project surveyor following drilling completion. With respect to underground utilities, NEAS will coordinate with Ohio Utilities Protection Service (OUPS) to verify that the selected boring locations are clear of existing underground utilities.

3. Test Drilling Program: NEAS will drill the proposed borings using a truck mounted drilling rig. It is understood that the borings will be located on or near the roadway and will be easily accessible by the drill crew. It is anticipated that temporary traffic control consisting of single lanes closures will be required during drilling operations at the boring locations. Each boring will be drilled and backfilled in accordance with ODOT's SGE based upon specific structure type. Based on our review of the proposed structures including the site conditions, it is anticipated that each boring will be extended through soil to the depths indicated on the attached drilling schedule. The soil samples obtained from the exploration program will be visually observed in the field by the NEAS field representative and preserved for review by a Geologist and possible laboratory testing. Field boring logs will be prepared by NEAS drilling personnel and will include lithological descriptions, Standard Penetration Testing (SPT) results recorded as blows per 6-inch increment of penetration and estimated unconfined shear strength values of specimens exhibiting cohesion (using a hand-penetrometer). Groundwater level observations will be recorded by NEAS drilling personnel both during and after the completion of drilling. Groundwater level observations will be included on the individual boring logs.
4. Laboratory Testing: NEAS will perform geotechnical testing on selected soil samples in accordance with SGE requirements, as well as all applicable AASHTO specifications. Based on the materials encountered, laboratory testing will likely include: determination of moisture content testing and classification testing in accordance with AASHTO M-145 "Classification of Soils and Soil-Aggregate Mixtures for Highway Construction Purposes," as modified by ODOT "Classification of Soils". These tests will be performed on representative samples recovered from the SPT sampling. These tests will enable us to estimate the behavior of the subsurface soils on the basis of empirical correlation, engineering analysis, and our prior experience.
5. Engineering Analysis and Recommendations: NEAS will review the data from the boring and laboratory testing program and perform geotechnical analyses to design the foundations (i.e., bearing capacity and global stability) in accordance with ODOT BDM. Based on the results of the engineering analyses, NEAS will develop design and construction recommendations for the bridge.
6. Summary Report and Geotechnical Sheets: NEAS will prepare a Geotechnical Engineering Report (GER) summarizing the data obtained from the field and laboratory programs and present our engineering conclusions and recommendations. The GER will be in compliance with ODOT's SGE, BDM, ODOT Pavement Design Manual, and the Project Development Process. The report will also

include a test boring plan, boring logs, laboratory test data, and analyses calculations. An electronic copy of the report will be provided.

ESTIMATED FEES

NEAS proposes to complete the above-outlined scope of services for a fee of \$46,848. The proposed fee is based on the following assumptions:

- The as drilled locations and elevations will be surveyed by the Project Surveyor.
- The test borings will be backfilled or sealed as described above and patched with asphalt or concrete at the structure boring location.

CLOSING

We appreciate the opportunity to present this proposal to The Thrasher Group, Inc.. Please contact us at 614.714.0299 if you have any questions or require any additional information regarding the geotechnical engineering services for this project.

Sincerely,



Enoch Chipukaizer
Principal



Target Boring Location Plan
TUS-Neighbor Street Bridge
PID #118634



FIELD DRILLING SCHEDULE

| Project Name/PID#: TUS-Neighbor Street Bridge | | Project Engineer: Melinda He | | | Contact Number: 614 714-0299 | | Boring Location Map Attached: Yes | | | | | |
|--|------------------|--|---------------------------|---|-------------------------------------|-------------------|---|-----------------------|----------|----------|-----------------------------|--|
| Client: The Thrasher Group | | Field Supervisor: Chris Ashbaugh | | | Contact Number: 419 571-1920 | | OUPS Clearance by: TBD | | | | | |
| Project Location: Newcomerstown, OH | | Date: 7/21/2023 | Receiving Lab: COL | | Specification: ODOT | | Marked by: TBD | | | | | |
| Boring Number | Total Depth (ft) | Sampling Interval | | | Rock Core (ft) | Remarks | ODOT Specification | Shelby Tubes Required | Easting | Northing | Station, Offset (alignment) | |
| | | continuous (ft) | 2.5 ft | 5 ft | | | | | | | | |
| B-001-0-22 | 100 | 7.5 | 22.5 | 70 | 0 | 30' n=30+ or Core | E1 | 0 | 0 | 0 | See Boring Location Plan | |
| B-002-0-22 | 100 | 7.5 | 22.5 | 70 | 0 | 30' n=30+ or Core | E1 | 0 | 0 | 0 | See Boring Location Plan | |
| B-003-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-004-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-005-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-006-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-007-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-008-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-009-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-010-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-011-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-012-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-013-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-014-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-015-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-016-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-017-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| B-018-0-22 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | See Boring Location Plan | |
| TOTALS ALL SHEETS | 200 | 15 | 45 | 140 | 0 | | | 0 | 0 | 0 | | |
| ⁽¹⁾ ODOT Boring Types A - Existing Pavement Subgrade B - Roadway Borings B1 - Embankment Foundations B2 - Cut Sections B3 - Sidehill Cut Sections B4 - Sidehill Cut - Fill Sections B5 - Sidehill Fill Sections on Unstable Slopes | | Geohazard Borings C1 - Lakes, Ponds, and Low-Lying Areas C2 - Peat Deposits, Compressible Soils and Low Strength Soils C3 - Uncontrolled Fills, Waste Pits, and Reclaimed Surface Mines C4 - Underground Mines C5 - Landslides C6 - Karst D - Proposed Underground Utility | | Structure Borings E1 - Bridges E2 - Culverts E3 - Retaining Walls (a, b, c) E4 - Noise Barrier E5 - High Mast Lighting Towers E6 - Buildings and Salt Domes | | | Additional Notes: There are no historic borings available near this site. Well logs show it to be near the edge of alluvial plain. Bedrock may or may not be encountered. Call project engineer prior to pulling augers in the first boring. | | | | | |



OHIO DEPARTMENT OF TRANSPORTATION
OFFICE OF GEOTECHNICAL ENGINEERING

PROPOSAL
for the
GEOTECHNICAL EXPLORATION

TUS-Neighbor Street Bridge

118634

**Bridge Replacement - Single Span Structure over Buckhorn Creek
Village of Newcomerstown, OH**

***Barr Engineering Inc. (dba) National Engineering
and Architectural Services, Inc. (NEAS Inc.)***

Prepared By: **Enoch Chipukaizer**

Date revised: **June 10, 2024**

**Enoch Chipukaizer
2800 Corporate Exchange Drive
Suite 240**

Columbus, Ohio 43231

O. 614-714-0299 C.

e.chipukaizer@neasinc.com

| GEOTECHNICAL EXPLORATION PROPOSAL | | | COST SUMMARY | | |
|-----------------------------------|--|---|--------------|--|--|
| C/R/S : | TUS-Neighbor Street Bridge | Overhead Percentage = | 165.02% | | |
| PID NO.: | 118634 | ODOT Statewide Percentage for Net Fee = | 157.25% | | |
| CONSULTANT: | Barr Engineering Inc. (dba) National Engineering and Architectural Services, Inc. (NEAS) | Net Fee Percentage = | 11.00% | | |
| DATE: | June 10, 2024 | Cost of Money = | 0.28% | | |

| Task | Hourly Rate | Total Hours | Direct Labor Costs | Overhead Costs | Cost of Money | Other Direct Costs | Subcon. Costs | Net Fee | Total Cost | Percent of Total Cost |
|---|----------------|-------------|--------------------|-----------------|---------------|--------------------|---------------|----------------|-----------------|-----------------------|
| RECONNAISSANCE AND PLANNING | | | | | | | | | | |
| Office Reconnaissance | \$54.00 | 2 | \$108 | \$178 | \$0 | | | \$31 | \$317 | |
| Field Reconnaissance | \$54.13 | 8 | \$433 | \$715 | \$1 | | | \$123 | \$1,272 | |
| Exploration Plan | \$65.67 | 6 | \$394 | \$650 | \$1 | \$116 | \$0 | \$111 | \$1,272 | |
| Subtotal | \$58.44 | 16 | \$935 | \$1,543 | \$2 | \$116 | \$0 | \$265 | \$2,861 | 6% |
| | Avg. Rate | | | | | | | | | |
| FIELD COORDINATION | | | | | | | | | | |
| Field Coordination | \$54.29 | 14 | \$760 | \$1,254 | \$2 | \$116 | | \$215 | \$2,347 | 5% |
| Logging (if drilling is subcontracted) | \$0.00 | 0 | \$0 | \$0 | \$0 | \$0 | | \$0 | \$0 | 0% |
| Subtotal | \$54.29 | 14 | \$760 | \$1,254 | \$2 | \$116 | | \$215 | \$2,347 | |
| | Avg. Rate | | | | | | | | | |
| FIELD EXPLORATION | | | | | | | | | | |
| Subtotal | | | | | | | \$0 | | \$16,941 | 36% |
| LABORATORY TESTING | | | | | | | | | | |
| Subtotal | | | | | | | \$0 | | \$4,538 | 10% |
| GEOTECHNICAL EXPLORATION REPORT | | | | | | | | | | |
| Project Setup, Meetings & General Oversight | \$88.81 | 16 | \$1,421 | \$2,345 | \$4 | \$0 | \$0 | \$402 | \$4,172 | |
| Bridge | \$55.05 | 92 | \$5,065 | \$8,358 | \$14 | | \$0 | \$1,433 | \$14,870 | |
| Other Structures (describe) | \$0.00 | 0 | \$0 | \$0 | \$0 | | \$0 | \$0 | \$0 | |
| Geohazard (describe) | \$0.00 | 0 | \$0 | \$0 | \$0 | | \$0 | \$0 | \$0 | |
| Stage 2 Plan Review | \$78.25 | 4 | \$313 | \$517 | \$1 | | \$0 | \$89 | \$920 | |
| Final Plan Review | \$68.00 | 1 | \$68 | \$112 | \$0 | | \$0 | \$19 | \$199 | |
| Subtotal | \$60.77 | 113 | \$6,867 | \$11,332 | \$19 | \$0 | \$0 | \$1,943 | \$20,161 | 43% |
| | Avg. Rate | | | | | | | | | |
| GRAND TOTAL ALL PARTS | | | | | | | | | | Cost per foot* |
| Total | \$59.87 | 143 | \$8,562 | \$14,129 | \$23 | \$232 | \$0 | \$2,423 | \$46,848 | \$204 |
| | Avg. Rate | | | | | | | | | |

*Cost per foot does not include sub-contracted traffic maintenance

| GEOTECHNICAL EXPLORATION PROPOSAL | | LABOR HOURS | | | | | | | | |
|---|---|---------------------------|--------------------|-----------------|------------------|------------|-----------|-----------|-------------|----------------|
| C/R/S : | TUS-Neighbor Street Bridge | HOURLY RATES | | | | | | | | |
| PID NO.: | 118634 | Personnel Category | Salary Rate | | | | | | | |
| CONSULTANT: | Barr Engineering Inc. (dba) National Engineering and Architectural Ser | Manager, P.E. | \$109.95 | | | | | | | |
| DATE: | June 10, 2024 | Project Engineer, P.E. | \$67.69 | | | | | | | |
| | | Staff Engineer | \$54.11 | | | | | | | |
| | | CADD Technician | \$40.00 | | | | | | | |
| | | Field Supervisor | \$37.35 | | | | | | | |
| | | Technician | \$42.68 | | | | | | | |
| | | Geologist | \$42.27 | | | | | | | |
| | | Secretary | \$27.88 | | | | | | | |
| HOURS BY PERSONNEL CATEGORY | | | | | | | | | | |
| Task | Manager | Project Engineer | Staff Engineer | CADD Technician | Field Supervisor | Technician | Geologist | Secretary | Total Hours | Labor Costs |
| RECONNAISSANCE AND PLANNING | | | | | | | | | | |
| Office Reconnaissance | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | \$108 |
| Field Reconnaissance | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 8 | \$433 |
| Exploration Plan | 1 | 1 | 4 | 0 | 0 | 0 | 0 | 0 | 6 | \$394 |
| Subtotal | 1 | 1 | 14 | 0 | 0 | 0 | 0 | 0 | 16 | \$935 |
| FIELD COORDINATION | | | | | | | | | | |
| Field Coordination | 1 | 1 | 8 | 0 | 4 | 0 | 0 | 0 | 14 | \$760 |
| Logging (if drilling is subcontracted) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| Subtotal | 1 | 1 | 8 | 0 | 4 | 0 | 0 | 0 | 14 | \$760 |
| GEOTECHNICAL EXPLORATION REPORT | | | | | | | | | | |
| Project Setup, Meetings & General Oversight | 8 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | \$1,421 |
| Bridge | 2 | 20 | 48 | 16 | 0 | 0 | 6 | 0 | 92 | \$5,065 |
| Other Structures (describe) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| Geohazard (describe) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| Stage 2 Plan Review | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | \$313 |
| Final Plan Review | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | \$68 |
| Subtotal | 11 | 32 | 48 | 16 | 0 | 0 | 6 | 0 | 113 | \$6,867 |
| LABOR TOTAL ALL PARTS | Total | 13 | 34 | 70 | 16 | 4 | 0 | 6 | 143 | \$8,562 |

| GEOTECHNICAL EXPLORATION PROPOSAL | | FIELD EXPLORATION | | | |
|---|---|-------------------|--------------|-----------------|---|
| C/R/S : | TUS-Neighbor Street Bridge | | | | |
| PID NO.: | 118634 | | | | |
| CONSULTANT: | Barr Engineering Inc. (dba) National Engineering and Architectural Services, Inc. (NEAS Inc.) | | | | |
| DATE: | June 10, 2024 | | | | |
| Task | Quantity | Unit | Unit Cost | Cost | Task Description |
| Mobilization/Demobilization | 1 | lump | \$2,575.00 | \$2,575 | Getting the necessary equipment and personnel to and from the project site. Includes crew travel time and mileage to and from the site, at the start and upon completion. |
| Subtotal | | | | \$2,575 | |
| Traffic Maintenance | | | | | Describe each traffic control set-up, as referenced in the Ohio Manual of Uniform Traffic Control Devices, by the Typical Application No. Includes all flaggers, law enforcement, per diem, mileage, and equipment and personnel to set-up, maintain, and tear down traffic control zones |
| Typical Application No. | TA-10 | | | | |
| | 3 | days | \$2,000.00 | \$6,000 | |
| Typical Application No. | | days | | \$0 | |
| Railroad Traffic Control | | days | | \$0 | |
| Subtotal | | | | \$6,000 | |
| Subsurface Exploration | | | | | Includes all necessary equipment, materials, and personnel to move equipment and crew between borings, set-up, drill, sample, supply water, perform visual descriptions of rock samples, prepare field logs, backfill borehole, and contain, preserve and transport samples. All drilling footage measured from the ground surface or the bottom of the body of water, as applicable. |
| Hand Sampling | | | | | Includes all equipment and personnel to excavate, sample, log and backfill each hand sampling method |
| Method Description | Hand Auger | | | | |
| | | feet | | \$0 | |
| Method Description | | feet | | \$0 | |
| Test Pits | | each | | \$0 | Includes all equipment and personnel to excavate, sample, log and backfill test pit |
| Pavement/Bridge Deck Coring | | | | | Includes all equipment, personnel, and material to core and patch pavement/bridge deck and either handle or dispose of core. |
| Core Diameter | | in. | | | |
| | | each | \$300.00 | \$0 | |
| Core Diameter | | in. | | | |
| | | each | \$300.00 | \$0 | |
| Truck/ATV/Trailer Mounted Rotary Drilling | | | | | Includes all methods of rotary drilling on land, except skid rig |
| Number of Drill Rig Days | 3 | days | | | |
| Total Soil Footage (ft) | 200 | 67 ft/day | | | |
| Total Rock Footage (ft) | 0 | 0 ft/day | | | |
| No Sampling | | feet | \$20.00 | \$0 | |
| 5-ft SPT | 140 | feet | \$29.00 | \$4,060 | |
| 2.5-ft SPT | 45 | feet | \$30.00 | \$1,350 | |
| Continuous SPT | 15 | feet | \$32.00 | \$480 | |
| Undisturbed Samples | | each | \$120.00 | \$0 | Includes press, preservation, transport, and extraction, minimum 50% recovery |
| Rock Coring | | feet | \$72.00 | \$0 | |
| Permanent Borehole Sealing | 200 | feet | \$9.00 | \$1,800 | |
| Skid Drilling | | | | | Includes press, preservation, transport, and extraction, minimum 50% recovery |
| Number of Drill Rig Days | | days | | | |
| Total Soil Footage (ft) | 0 | 0 ft/day | | | |
| Total Rock Footage (ft) | 0 | 0 ft/day | | | |
| No Sampling | | feet | | \$0 | |
| 5-ft SPT | | feet | | \$0 | |
| 2.5-ft SPT | | feet | | \$0 | |
| Continuous SPT | | feet | | \$0 | |
| Undisturbed Samples | | each | | \$0 | |
| Rock Coring | | feet | | \$0 | |
| Permanent Borehole Sealing | | feet | | \$0 | |
| Barge Drilling | | | | | Includes press, preservation, transport, and extraction, minimum 50% recovery |
| Number of Drill Rig Days | | days | | | |
| Total Soil Footage (ft) | 0 | 0 ft/day | | | |
| Total Rock Footage (ft) | 0 | 0 ft/day | | | |
| 5-ft SPT | | feet | | \$0 | |
| 2.5-ft SPT | | feet | | \$0 | |
| Continuous SPT | | feet | | \$0 | |
| Undisturbed Samples | | each | | \$0 | |
| Rock Coring | | feet | | \$0 | |
| Permanent Borehole Sealing | | feet | | \$0 | |
| Barge | | days | | \$0 | Includes all costs associated with barge drilling access (permits, spuds, safety equipment, boats, tugs, etc.) |
| Other Exploratory Methods | | | | | CPT, DCP, Geophysical, etc. Propose a daily rate to include all costs associated with performing the described exploratory method. |
| Method Description | | days | | \$0 | |
| Method Description | | days | | \$0 | |
| In-situ Testing | | | | | Includes all mobilization/demobilization, equipment, material, labor, travel, per diem, calibration, and data reduction |
| Test: | | days | | \$0 | |
| Test: | | days | | \$0 | |
| Installation/Reading of Geotechnical Instruments | | | | | Excludes cost of drilling - present above. Includes all material and labor for installation |
| Open Standpipe Piezometer | | feet | | \$0 | |
| Monitoring Well | | feet | | \$0 | |
| Inclinometer | | feet | \$30.00 | \$0 | |
| Misc (describe) | | each | | \$0 | pneumatic or vibrating wire piezometers, strain gages, extensometers, TDR cable, etc. |
| Instrument Readings | | trips | | \$0 | Includes all equipment, material, labor, travel, per diem, calibration, and data reduction |
| Subtotal | | | | \$7,690 | |
| Direct Costs | | | | | |
| Drill Crew Meals and Lodging | 2 | Day | \$338.00 | \$676 | |
| Other (describe) | | | | \$0 | |
| Subtotal | | | | \$676 | |
| FIELD EXPLORATION TOTAL ALL PARTS | | | Total | \$16,941 | |

GEOTECHNICAL EXPLORATION PROPOSAL

LABORATORY TESTING

C/R/S : **TUS-Neighbor Street Bridge**

PID NO.: **118634**

CONSULTANT: **Barr Engineering Inc. (dba) National Engineering and Architectural Services, Inc. (NEAS Inc.)**

DATE: **June 10, 2024**

| Test | Test Method | | Quantity | Unit | Unit Cost | Cost | Remarks |
|---|-------------|-----------------|----------|----------|--------------|----------------|--|
| | AASHTO | ASTM | | | | | |
| Soil Testing | | | | | | | |
| Complete Classification | Multiple | Multiple | 20 | each | \$199 | \$3,980 | Includes Visual Description per SGE Section 602, T265, T88, T89, T90 |
| Water Content Test and Visual Description | T265 | D2216 | 36 | each | \$16 | \$558 | Visual Description per SGE Section 602 |
| Particle Size Analysis - Sieve Only | T88 | D422 | 0 | each | \$86 | \$0 | As modified per SGE Section 603.3 |
| Particle Size Analysis - Sieve and 2-hour Hydrometer | T88 | D422 | 0 | each | \$113 | \$0 | As modified per SGE Section 603.3 |
| Liquid Limit Test | T89 | D4318 | 0 | each | \$44 | \$0 | As modified per SGE Section 603.3 |
| Plastic Limit Test | T90 | D4318 | 0 | each | \$43 | \$0 | As modified per SGE Section 603.3 |
| Organic Content by Loss on Ignition | T267 | D2974 | 0 | each | \$60 | \$0 | |
| Soil Unconfined Compression Test | T208 | D2166 | 0 | each | \$91 | \$0 | |
| Unconsolidated-Undrained Triaxial Compression Test | T296 | D2850 | 0 | 1 point | \$193 | \$0 | |
| Consolidated-Undrained Triaxial Compression Test (with pore pressure measurement) | T297 | D4767 | 0 | 3 points | \$1,032 | \$0 | |
| One-Dimensional Consolidation Test | T216 | D2435 | 0 | each | \$585 | \$0 | |
| Specific Gravity Test | T100 | D854 | 0 | each | \$76 | \$0 | |
| Direct Shear Test | T236 | D3080 | 0 | 3 points | \$580 | \$0 | |
| Sulfate Content in Soils, Colorimetric Method | ODOT S1122 | NA | 0 | each | \$117 | \$0 | |
| Misc. (identify test) | | | 0 | | | \$0 | Identify the test and test method for any tests not listed above |
| Misc. (identify test) | | | 0 | | | \$0 | Identify the test and test method for any tests not listed above |
| Subtotal | | | | | | \$4,538 | |
| Rock Testing | | | | | | | |
| Unconfined Compressive Strength of Intact Rock Core Specimen | NA | D7012, Method C | 0 | each | \$110 | \$0 | |
| Slake Durability of Shales and Similar Weak Rocks | NA | D4644 | 0 | each | \$243 | \$0 | |
| Determination of the Point Load Strength Index of Rock | NA | D5731 | 0 | each | \$75 | \$0 | |
| Elastic Moduli of Intact Rock Core Specimens in Uniaxial Compression | NA | D7012, Method D | 0 | each | \$278 | \$0 | |
| Misc. (identify test) | | | 0 | | | \$0 | Identify the test and test method for any tests not listed above |
| Misc. (identify test) | | | 0 | | | \$0 | Identify the test and test method for any tests not listed above |
| Misc. (identify test) | | | 0 | | | \$0 | Identify the test and test method for any tests not listed above |
| Subtotal | | | | | | \$0 | |
| LABORATORY TESTING TOTAL ALL PARTS | | | | | Total | \$4,538 | |

GEOTECHNICAL EXPLORATION PROPOSAL

DIRECT COSTS

C/R/S : TUS-Neighbor Street Bridge

PID NO.: 118634

CONSULTANT: Barr Engineering Inc. (dba) National Engineering and Architectural Services, Inc. (NEAS Inc.)

DATE: June 10, 2024

| Task | Quantity | Unit | Unit Cost | Cost |
|--|----------|------|--------------|-----------------|
| RECONNAISSANCE AND PLANNING | | | | |
| Mileage | 200 | Mile | \$0.58 | \$116.00 |
| (describe) | 0 | | \$0.00 | \$0.00 |
| (describe) | 0 | | \$0.00 | \$0.00 |
| Subtotal | | | | \$116.00 |
| FIELD COORDINATION | | | | |
| Field Coordination | | | | |
| Meals and Lodging | 0 | day | \$0.00 | \$0.00 |
| Mileage | 200 | mile | \$0.58 | \$116.00 |
| Permits | 0 | each | \$0.00 | \$0.00 |
| Dozer and Operator (site access and restoration) | 0 | hour | \$0.00 | \$0.00 |
| Site Restoration (not including Dozer) | 0 | site | \$0.00 | \$0.00 |
| Railroad Permits | 0 | each | \$0.00 | \$0.00 |
| Other (describe) | 0 | | \$0.00 | \$0.00 |
| Other (describe) | 0 | | \$0.00 | \$0.00 |
| Subtotal | | | | \$116.00 |
| Logging (If drilling is subcontracted) | | | | |
| Meals and Lodging | 0 | day | \$0.00 | \$0.00 |
| Mileage | 0 | mile | \$0.58 | \$0.00 |
| Other (describe) | 0 | | \$0.00 | \$0.00 |
| Subtotal | | | | \$0.00 |
| Subtotal | | | | \$116.00 |
| GEOTECHNICAL EXPLORATION REPORT | | | | |
| (describe) | 0 | | \$0.00 | \$0.00 |
| (describe) | 0 | | \$0.00 | \$0.00 |
| Subtotal | | | | \$0.00 |
| DIRECT COSTS TOTAL ALL PARTS | | | Total | \$232.00 |

July 21, 2023

Brad Olinger, PE
Project Manager
The Thrasher Group, Inc.
400 3rd St SE, Suite 309
Canton, OH 44702

**Re: TUS – Neighbor Street Bridge PID 118634
R/W Acquisition Services**

Dear Mr. Olinger:

O.R. Colan Associates (ORC) is pleased to submit a cost proposal for R/W Acquisition services for the **TUS – Neighbor Street Bridge project**. ORC will provide all services in accordance with the Ohio Department of Transportation's Real Estate Policy and Procedures Manual and the Federal Uniform Relocation Assistance Act. The scope of services will follow The Office of Real Estate's Scope Definitions for Right of Way Services, revised 8/29/14, and our fees are in accordance with ODOT's consultant fee guidance for projects between 1-5 parcels. ORC's proposal services include Project Management, Title Research, Value Analysis, Negotiation, Closings and Recordings. Estimated parcel impacts are listed below along with an attached image of the five (5) parcels:

- 130 N. Goodrich – Clum – 4501930000 (599 OTHER)
- 495 Neighbor – Bernier – 4500481000 (511 SF)
- 219 Park Hill – Wilson – 4502386000 (511 SF)
- 211 Park Hill – Gadd – 4502460000 (511 SF)
- 484 W Neighbor – 4500897000 (511 SF)

It should be noted that at the time of this proposals, R/W plans are not available, therefore we have made certain assumptions related to parcel counts/appraisal formats and estimated 5 parcels that will require a temporary easement, with one of those parcels also requiring a small WD taking for grading/sidewalk. Once R/W plans are finalized, ORC requests the right to review this cost proposal and adjust as needed, specifically related to appraisal formats.

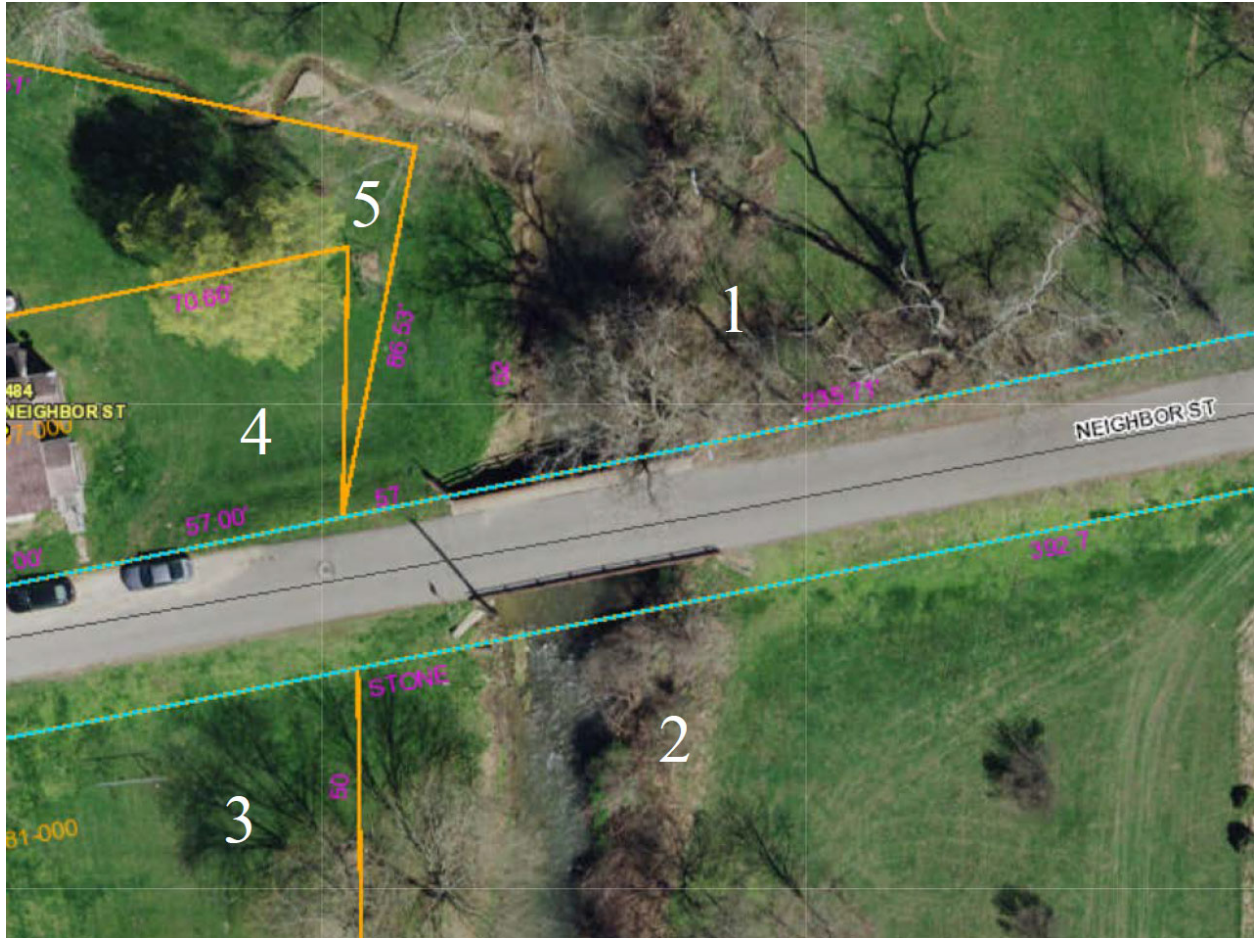
ORC is ready to begin upon notice to proceed. We appreciate the opportunity to work with the Village of Newcomerstown and Thrasher on this project. If you require additional information or need clarification, feel free to call me at 440.827.6116, ext. 205.

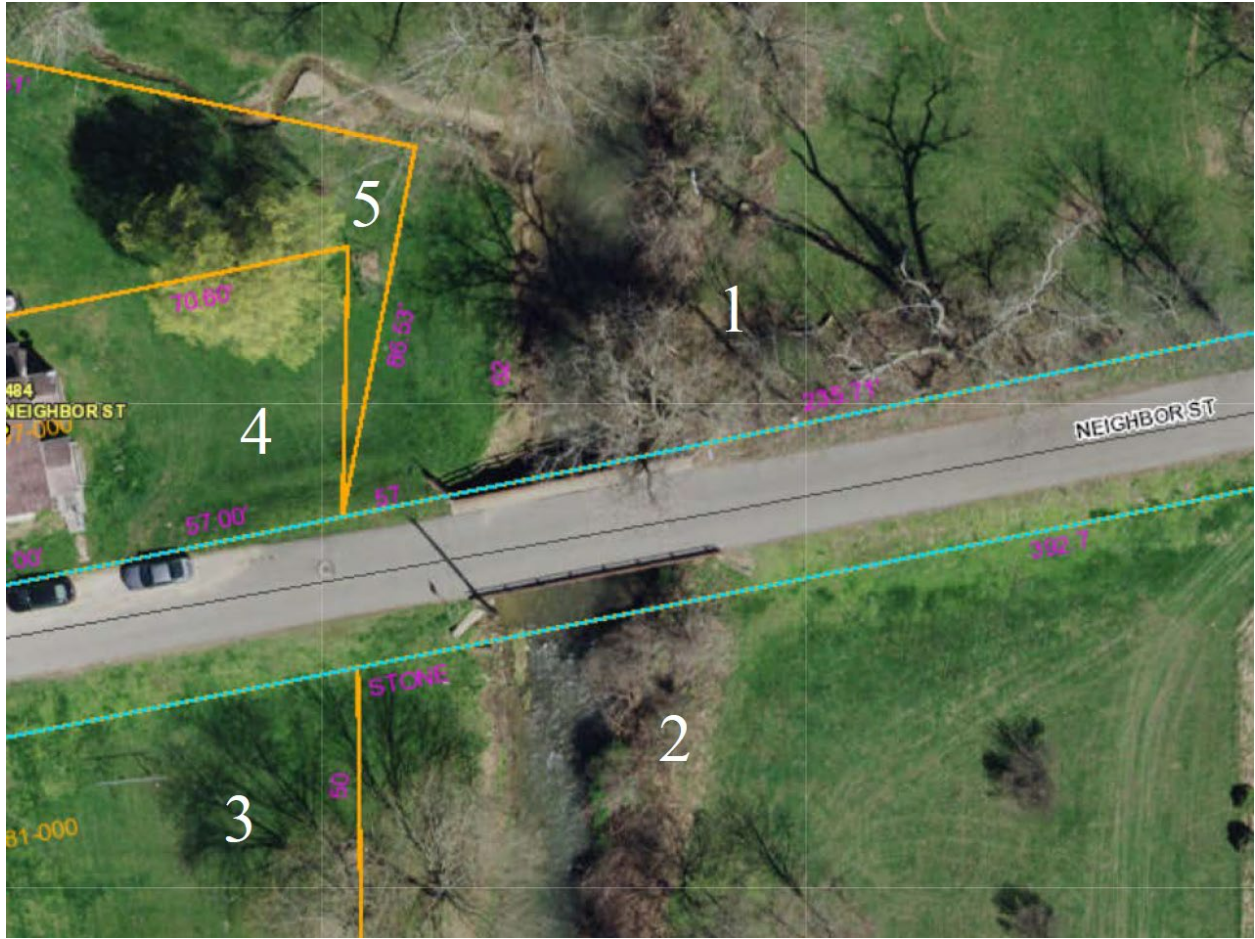
Respectfully,



Benjamin Zera
Project Manager

Cc: Project File
John Mandula, ORC – Client Development Director





RW ACQUISITION SERVICES COST PROPOSAL

Company Name: O.R. Colan Associates

District: 11

Date: 7/21/23

PID NO.: 118634

Task No.: N/A

Project CRS: TUS - Neighbor Street

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|---|--------------|--------------|--------------|--------------------|
| 1. Project Management - line items found in sections below | parcel | | | |
| 2. Appraisal | | | | |
| a. RE 95 Preparation | parcel | 1 | \$350.00 | \$350.00 |
| b. R/W Appraisal Report (RE 25-17) | parcel | | | \$0.00 |
| c. Limited Scope R/W Appraisal Report (RE 25-17) | parcel | | | \$0.00 |
| d. Value Finding (RE 90) | parcel | | | \$0.00 |
| e. Value Analysis | parcel | 5 | \$770.00 | \$3,850.00 |
| g. Project Management | parcel | 5 | \$240.00 | \$1,200.00 |
| SECTION SUBTOTAL | | | | \$5,400.00 |
| 3. Appraisal Review | | | | |
| a. R/W Appraisal Report(RE 25-16) | parcel | | | \$0.00 |
| b. Limited Scope R/W Appraisal Report (RE 25-16) | parcel | | | \$0.00 |
| c. Value Finding (RE 25-14) | parcel | | | \$0.00 |
| d. Value Analysis (RE 25-13) | parcel | | | \$0.00 |
| e. USPAP Review (RE 25-12) | parcel | | | \$0.00 |
| f. Parcel Impact Note | parcel | | | \$0.00 |
| g. Appraisal Problem Analysis | parcel | | | \$0.00 |
| h. Project Management | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |
| 4. Title Researches | | | | |
| a. Abbreviated Titles | parcel | 2 | \$500.00 | \$1,000.00 |
| b. Full Title (42 year) | parcel | 3 | \$840.00 | \$2,520.00 |
| c. Title Update | parcel | | | \$0.00 |
| d. Project Management | parcel | 5 | \$240.00 | \$1,200.00 |
| SECTION SUBTOTAL | | | | \$4,720.00 |
| SECTION TOTAL | | | | \$10,120.00 |

Table split for Federal Authorization for Right of Way Acquisition

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|--|---------------|--------------|--------------|--------------------|
| 5. Negotiation | | | | |
| a. Negotiation (includes letters, packets, negotiations, billings, document preparation, plan revision coordination, etc.) | parcel | 5 | \$2,500.00 | \$12,500.00 |
| b. Bill of Sale Negotiation | Per BS Parcel | | | \$0.00 |
| c. Negotiation Trainee | parcel | | | \$0.00 |
| d. Project Management | parcel | 5 | \$240.00 | \$1,200.00 |
| SECTION SUBTOTAL | | | | \$13,700.00 |
| 6. Closings | | | | |
| a. Mail Out | parcel | 2 | \$570.00 | \$1,140.00 |
| b. Formal (includes forms RE 30, 31, 44, 45 & 57 and etc.) | parcel | 3 | \$780.00 | \$2,340.00 |
| c. Formal - structure parcels | parcel | | | \$0.00 |
| d. Title Update for Appropriation | parcel | | | \$0.00 |
| e. Mortgage Release | per release | | | \$0.00 |
| f. Project Management | per release | 5 | \$240.00 | \$1,200.00 |
| SECTION SUBTOTAL | | | | \$4,680.00 |
| 7. Relocation Assistance Services | | | | |
| a. Residential offer made | parcel | | | \$0.00 |
| b. Residential final billing | parcel | | | \$0.00 |
| c. Commercial Offer made | parcel | | | \$0.00 |
| d. Commercial final billing | parcel | | | \$0.00 |
| e. Personal Property final billing | parcel | | | \$0.00 |
| f. Pre-Acquisition Survey/Interview | parcel | | | \$0.00 |
| g Pre-Acquisition Report | parcel | | | \$0.00 |
| Project Management for h Relocation/Relocation Review | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |
| 8 Relocation Review | | | | |
| a. Residential Review | parcel | | | \$0.00 |
| b. Commercial Review | parcel | | | \$0.00 |
| c. Personal Property Review | parcel | | | \$0.00 |
| d. Project Management | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|---|--------------|--------------|--------------|--------------------|
| 9. Asbestos | | | | |
| a. Collection/Reporting | parcel | | | \$0.00 |
| b. Testing | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |
| 10. Miscellaneous | | | | |
| a. Miscellaneous | parcel | | | \$0.00 |
| b. Meetings and Testimony for appropriations | parcel | | | \$0.00 |
| c. Property Management | parcel | | | \$0.00 |
| d. Specialty Appraisal Studies (Parking, Rent, Architectural etc.) | parcel | | | \$0.00 |
| e. Copies and Recording fees (reimbursable based on actual cost for Titles and Closings - receipts necessary) | parcel | 5 | \$75.00 | \$375.00 |
| f. R/W Cost Estimate (RE-101) | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$375.00 |
| SECTION TOTAL | | | | \$18,755.00 |
| TOTAL | | | | \$28,875.00 |