

# City of Gahanna

200 South Hamilton  
Road  
Gahanna, Ohio 43230

## Signature

Ordinance: ORD-0067-2022

File Number: ORD-0067-2022

**AN ORDINANCE AUTHORIZING THE MAYOR TO ENTER INTO CONTRACT WITH  
AMERICAN STRUCTUREPOINT INC. FOR PROFESSIONAL SERVICES  
RELATED TO THE WYNNE RIDGE COURT BRIDGE REPLACEMENT - PID  
116417**

**WHEREAS**, in 2021, the Wynne Ridge Court bridge was identified as a failing structure in the Ohio Bridge Inspection Summary Report; and

**WHEREAS**, the inspection report noted large spalls, heavy scaling, and wide cracks in the culvert; and

**WHEREAS**, the rotation of the southeast wingwall has created erosion and loss of retained fill at the gap between the southeast wingwall and the upstream headwall, which has worsened in 2022; and

**WHEREAS**, the City issued and received three requests for qualifications (RFQs) for professional engineering design services for replacement of the bridge; and

**WHEREAS**, American Structurepoint Inc. was selected as the best qualified to meet the professional design work needed for the bridge's replacement; and

**WHEREAS**, the technical proposal, scope, and fees for professional design services is \$384,046, and with an additional 10 percent contingency planned, the total project amount is \$422,450.

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF GAHANNA, COUNTY OF FRANKLIN, STATE OF OHIO:**

**Section 1.** That the Council authorizes the Mayor to enter into contract or professional design services with AMERICAN STRUCTUREPOINT INC. of 2550 CORPORATE EXCHANGE DRIVE, SUITE 300, COLUMBUS, OH 43231 for FRA-Wynne Ridge Court Replacement (PID 116417) in accordance with contract terms set forth in EXHIBIT A, attached hereto and made a part herein.

**Section 2.** That the total cost of the project, including the 10 percent contingency, in the amount of \$422,450 is already appropriated from 325.06.550.5500.

**Section 3.** That this Ordinance shall be in full force and effect after passage by this Council and 30 days after date of signature of approval by the Mayor.

At a meeting of the City Council on November 21, 2022, a motion was made by Schnetzer,  
seconded by Angelou, that this Ordinance be Adopted. The vote was as follows:

Ms. Angelou, yes; Ms. Bowers, yes; Ms. McGregor, yes; Ms. Padova, yes;  
Mr. Renner, yes; Mr. Schnetzer, yes; Mr. Weaver, yes.



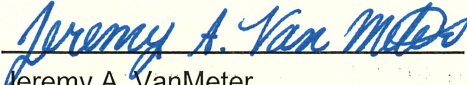
President

  
Stephen A. Renner

Date

11/21/2022

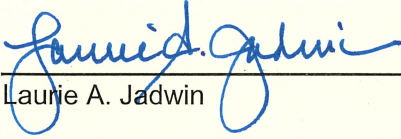
Attest by

  
Jeremy A. VanMeter  
Clerk of Council

Date

11/21/2022

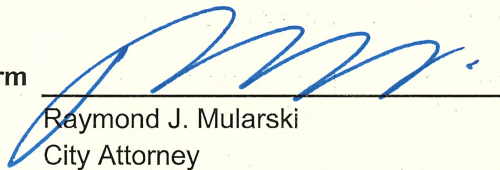
Approved by the Mayor

  
Laurie A. Jadwin

Date

11-21-2022

Approved as to Form

  
Raymond J. Mularski  
City Attorney

Date

11-21-22

**SHORT FORM OF AGREEMENT  
BETWEEN OWNER AND ENGINEER  
FOR PROFESSIONAL SERVICES**

THIS IS AN AGREEMENT effective as of the date of the latest required signature below ("Effective Date") between City of Gahanna ("Owner") and American Structurepoint, Inc. ("Engineer").

Owner's Project, of which Engineer's services under this Agreement are a part, is generally identified as follows: FRA-Wynne Ridge Court Replacement (PID 116417) ("Project").

Engineer's services under this Agreement are generally identified as follows: Please see Engineer's fee proposal dated October 10, 2022 ("Services").

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Owner and Engineer further agree as follows:

**1.01 Basic Agreement and Period of Service**

- A. Engineer shall provide or furnish the Services set forth in this Agreement. If authorized by Owner, or if required because of changes in the Project, Engineer shall furnish services in addition to those set forth above ("Additional Services").
- B. Engineer shall complete its Services according to the preliminary schedule in the Engineer's fee proposal.
- C. If, through no fault of Engineer, such periods of time or dates are changed, or the orderly and continuous progress of Engineer's Services is impaired, or Engineer's Services are delayed or suspended, then the time for completion of Engineer's Services, and the rates and amounts of Engineer's compensation, shall be adjusted equitably.

**2.01 Payment Procedures**

- A. *Invoices:* Engineer shall prepare invoices in accordance with its standard invoicing practices and submit the invoices to Owner on a monthly basis. Invoices are due and payable within 45 days of receipt. If Owner fails to make any payment due Engineer for Services, Additional Services, and expenses within 30 days after receipt of Engineer's invoice, then (1) the amounts due Engineer will be increased at the rate of 1.0% per month (or the maximum rate of interest permitted by law, if less) from said due date, and (2) in addition Engineer may, after giving seven days written notice to Owner, suspend Services under this Agreement until Engineer has been paid in full all amounts due for Services, Additional Services, expenses, and other related charges. Owner waives any and all claims against Engineer for any such suspension.
- B. *Payment:* As compensation for Engineer providing or furnishing Services and Additional Services, Owner shall pay Engineer as set forth in Paragraphs 2.01, 2.02 (Services), and 2.03 (Additional Services). If Owner disputes an invoice, either as to amount or entitlement, then Owner shall promptly advise Engineer in writing of the specific basis for doing so, may withhold only that portion so disputed, and must pay the undisputed portion.

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V. 8-2022

EJCDC® E-520, Short Form of Agreement Between Owner and Engineer for Professional Services.

2019.02989

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## 2.02 *Basis of Payment*

### A. Owner shall pay Engineer for Services as follows:

1. For Authorized Tasks, a Lump Sum amount of \$271,033.
2. The portion of the compensation amount billed monthly for Engineer's Services will be based upon Engineer's estimate of the percentage of the total Services actually completed during the billing period.
3. For If-Authorized Tasks, a Lump Sum amount of \$113,013.

### 2.03 *Additional Services:* For Additional Services, Owner shall pay Engineer ~~an amount equal to the cumulative hours charged in providing the Additional Services by each class of Engineer's employees, times standard hourly rates for each applicable billing class; plus reimbursement of expenses incurred in connection with providing the Additional Services and Engineer's consultants' charges, if any. Engineer's standard hourly rates are attached as Appendix 1.~~ **a fee to be negotiated at the time such Additional Services are requested.**

## 3.01 *Termination*

### A. The obligation to continue performance under this Agreement may be terminated:

1. For cause,
  - a. By either party upon 30 days written notice in the event of substantial failure by the other party to perform in accordance with the Agreement's terms through no fault of the terminating party. Failure to pay Engineer for its services is a substantial failure to perform and a basis for termination.
  - b. By Engineer:
    - 1) upon seven days written notice if Owner demands that Engineer furnish or perform services contrary to Engineer's responsibilities as a licensed professional; or
    - 2) upon seven days written notice if the Engineer's Services are delayed for more than 60 days for reasons beyond Engineer's control, or as the result of the presence at the Site of undisclosed Constituents of Concern, as set forth in Paragraph 5.01.i.
  - c. Engineer shall have no liability to Owner on account of a termination for cause by Engineer.
  - d. Notwithstanding the foregoing, this Agreement will not terminate as a result of a substantial failure under Paragraph 3.01.A.1.a if the party receiving such notice begins, within seven days of receipt of such notice, to correct its substantial failure to perform and proceeds diligently to cure such failure within no more than 30 days of receipt of notice; provided, however, that if and to the extent such substantial failure cannot be reasonably cured within such 30 day period, and if such party has diligently attempted to cure the same and thereafter continues diligently to cure the same, then the cure period provided for herein shall extend up to, but in no case more than, 60 days after the date of receipt of the notice.
2. For convenience, by Owner effective upon Engineer's receipt of written notice from Owner.

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- B. In the event of any termination under Paragraph 3.01, Engineer will be entitled to invoice Owner and to receive full payment for all Services and Additional Services performed or furnished in accordance with this Agreement, plus reimbursement of expenses incurred through the receipt of notice of termination in connection with providing the Services and Additional Services, and Engineer's consultants' charges, if any.

#### 4.01 *Successors, Assigns, and Beneficiaries*

- A. Owner and Engineer are hereby bound and the successors, executors, administrators, and legal representatives of Owner and Engineer (and to the extent permitted by Paragraph 4.01.B the assigns of Owner and Engineer) are hereby bound to the other party to this Agreement and to the successors, executors, administrators, and legal representatives (and said assigns) of such other party, in respect of all covenants, agreements, and obligations of this Agreement.
- B. Neither Owner nor Engineer may assign, sublet, or transfer any rights under or interest (including, but without limitation, money that is due or may become due) in this Agreement without the written consent of the other party, except to the extent that any assignment, subletting, or transfer is mandated by law. Unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under this Agreement.
- C. Unless expressly provided otherwise, nothing in this Agreement shall be construed to create, impose, or give rise to any duty owed by Owner or Engineer to any Constructor, other third-party individual or entity, or to any surety for or employee of any of them. All duties and responsibilities undertaken pursuant to this Agreement will be for the sole and exclusive benefit of Owner and Engineer and not for the benefit of any other party.

#### 5.01 *General Considerations*

- A. The standard of care for all professional engineering and related services performed or furnished by Engineer under this Agreement will be the care and skill ordinarily used by members of the subject profession practicing under similar circumstances at the same time and in the same locality. Engineer makes no warranties, express or implied, under this Agreement or otherwise, in connection with any services performed or furnished by Engineer. Subject to the foregoing standard of care, Engineer and its consultants may use or rely upon design elements and information ordinarily or customarily furnished by others, including, but not limited to, specialty contractors, manufacturers, suppliers, and the publishers of technical standards. **The Owner shall furnish, at the Owner's expense, all information, requirements, reports, data, surveys and instructions required by this Agreement. The Engineer may use such information, requirements, reports, data, surveys and instructions in performing its services and is entitled to rely upon the accuracy and completeness thereof. The Engineer shall not be held responsible for any errors or omissions that may arise as a result of erroneous or incomplete information provided by the Owner, consultants or contractors which the Owner requires Engineer to hire, and/or the Owner's consultants and contractors.**
- B. Engineer shall not at any time supervise, direct, control, or have authority over any Constructor's work, nor shall Engineer have authority over or be responsible for the means, methods, techniques, sequences, or procedures of construction selected or used by any Constructor, or the safety precautions and programs incident thereto, for security or safety at the Project site, nor for any failure of a Constructor to comply with laws and regulations applicable to such Constructor's furnishing and performing of its work. Engineer shall not be responsible for the acts or omissions of any Constructor.

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- C. Engineer neither guarantees the performance of any Constructor nor assumes responsibility for any Constructor's failure to furnish and perform its work.
- D. Engineer's opinions (if any) of probable construction cost are to be made on the basis of Engineer's experience, qualifications, and general familiarity with the construction industry. However, because Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual construction cost will not vary from opinions of probable construction cost prepared by Engineer. If Owner requires greater assurance as to probable construction cost, then Owner agrees to obtain an independent cost estimate.
- E. Engineer shall not be responsible for any decision made regarding the construction contract requirements, or any application, interpretation, clarification, or modification of the construction contract documents other than those made by Engineer or its consultants.
- F. All documents prepared or furnished by Engineer are instruments of service, and Engineer retains an ownership and property interest (including the copyright and the right of reuse) in such documents, whether or not the Project is completed. Owner shall have a limited license to use the documents on the Project, extensions of the Project, and for related uses of the Owner, subject to receipt by Engineer of full payment due and owing for all Services and Additional Services relating to preparation of the documents and subject to the following limitations:
  - 1. Owner acknowledges that such documents are not intended or represented to be suitable for use on the Project unless completed by Engineer, or for use or reuse by Owner or others on extensions of the Project, on any other project, or for any other use or purpose, without written verification or adaptation by Engineer;
  - 2. any such use or reuse, or any modification of the documents, without written verification, completion, or adaptation by Engineer, as appropriate for the specific purpose intended, will be at Owner's sole risk and without liability or legal exposure to Engineer or to its officers, directors, members, partners, agents, employees, and consultants;
  - 3. Owner shall hold harmless Engineer and its officers, directors, members, partners, agents, employees, and consultants from all claims, damages, losses, and expenses, including reasonable attorneys' fees, arising out of or resulting from any use, reuse, or modification of the documents without written verification, completion, or adaptation by Engineer; and
  - 4. such limited license to Owner shall not create any rights in third parties.
  - 5. Upon payment in full of all fees due by Owner, all right, title, and interest in any documents, plans, drawings, or instruments of service shall vest solely in the Owner. Notwithstanding the foregoing, Engineer shall retain its rights in pre-existing and standard scripts, databases, computer software, and other proprietary property. Rights to intellectual property that is not specifically created exclusively for the Owner in the performance of the services under this Agreement shall also remain the property of the Engineer.

- G. Owner and Engineer 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 agreeable protocol.
- H. To the fullest extent permitted by law, Owner and Engineer (1) waive against each other, and the other's employees, officers, directors, members, agents, insurers, partners, and consultants, any and all claims for or entitlement to special, incidental, indirect, or consequential damages arising out of, resulting from, or in any way related to this Agreement or the Project, and (2) agree that Engineer's total liability to Owner under this Agreement shall be limited to **\$500,000** or the total amount of compensation received by Engineer, whichever is greater, notwithstanding applicable insurance coverage.
- I. The parties acknowledge that Engineer's Services do not include any services related to unknown or undisclosed Constituents of Concern. If Engineer or any other party encounters, uncovers, or reveals an unknown or undisclosed Constituent of Concern, then Engineer may, at its option and without liability for consequential or any other damages, suspend performance of Services on the portion of the Project affected thereby until such portion of the Project is no longer affected, or terminate this Agreement for cause if it is not practical to continue providing Services.
- J. Owner and Engineer agree to negotiate each dispute between them in good faith during the 30 days after notice of dispute. If negotiations are unsuccessful in resolving the dispute, then the dispute shall be mediated. If mediation is unsuccessful, then the parties may exercise their rights at law.
- K. This Agreement is to be governed by the law of the state in which the Project is located.
- L. Engineer's Services and Additional Services do not include: (1) serving as a "municipal advisor" for purposes of the registration requirements of Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act (2010) or the municipal advisor registration rules issued by the Securities and Exchange Commission; (2) advising Owner, or any municipal entity or other person or entity, regarding municipal financial products or the issuance of municipal securities, including advice with respect to the structure, timing, terms, or other similar matters concerning such products or issuances; (3) providing surety bonding or insurance-related advice, recommendations, counseling, or research, or enforcement of construction insurance or surety bonding requirements; or (4) providing legal advice or representation.
- M. **If the Project is constructed, Owner shall require the Constructor to purchase and maintain general liability insurance and to cause Engineer and Engineer's Consultants to be listed as additional insureds on a primary and non-contributory basis with respect to such liability insurance purchased and maintained by the Constructor for the Project.**
- N. **If required by the Contract Documents, Engineer shall review and approve, or take other action upon, the Constructor's submittals such as shop drawings, product data and samples, but only for the limited purposes of checking for conformance with the information given and the design concept expressed in the Contract Documents. Review of such submittals is not for the purpose of determining the accuracy or completeness of other information such as dimensions, quantities, and installation or performance of equipment or systems, which are the Constructor's responsibility. The Engineer's review shall not constitute approval of safety precautions or construction means, methods, techniques, sequences or procedures. The Engineer's approval of a specific item shall not indicate approval of an assembly of which the item is a component.**

- O. If Engineer is required to review any submittals prior to final approval of plans by Owner or any required approval by governmental authorities, the review shall be limited to confirm general conformance with the preliminary design concept expressed by the preliminary design documents that are subject to material revisions in the process of developing the Owner-approved Contract Documents that bear the professional seal of the Engineer. The Owner understands and agrees that it is the Constructor's obligation to assume all costs to comply with the Contract Documents even if the Contract Documents differ materially from the preliminary design concept that is the subject of the submittal. Any notes made by Engineer on the submittal shall not relieve the Constructor from its duty to ensure compliance with the Contract Documents. Design and certification of manufactured items that are not specifically designed and detailed in the Contract Documents are the responsibility of the registered professional engineer working for the Constructor. The Constructor is responsible for all dimensions, quantities, fabrication, fit, and the coordination with other trades. Dimensions shall be confirmed and correlate by the Constructor at the job site.
- P. The Engineer will exercise reasonable care to incorporate the design requirements of governmental authorities having jurisdiction over the Project into the Construction Documents as those requirements are known and understood by reasonable and prudent engineers under the same or similar circumstances. Engineer's duty to incorporate the design requirements of governmental authorities into the Construction Documents is limited to design requirements as they are known and understood by reasonable and prudent engineers at the time of preparation of the Construction Documents, but Engineer shall have no responsibility or liability for costs resulting from revised or different interpretations of the design requirements by the governmental authorities after completion of the Construction Documents or new and different design requirements that are adopted after completion of the Construction Documents.
- Q. Following submission of design documents and requests for permits to governmental authorities for their review and approval as may be required, Engineer has no control over or ability to influence the governmental review process and the time required to complete the process and Engineer shall have no liability for loss, costs or damages sustained or incurred by Owner as a result of delays or extended time required for any governmental review process.

#### 6.01 *Total Agreement*

- A. This Agreement (including any expressly incorporated attachments), constitutes the entire agreement between Owner and Engineer and supersedes all prior written or oral understandings. This Agreement may only be amended, supplemented, modified, or canceled by a duly executed written instrument.

#### 7.01 *Definitions*

- A. *Constructor*—Any person or entity (not including the Engineer, its employees, agents, representatives, and consultants), performing or supporting construction activities relating to the Project, including but not limited to contractors, subcontractors, suppliers, Owner's work forces, utility companies, construction managers, testing firms, shippers, and truckers, and the employees, agents, and representatives of any or all of them.
- B. *Constituent of Concern*—Asbestos, petroleum, radioactive material, polychlorinated biphenyls (PCBs), hazardous waste, and any substance, product, waste, or other material of any nature whatsoever that is or becomes listed, regulated, or addressed pursuant to (a) the Comprehensive Environmental Response,

V. 8-2022

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Compensation and Liability Act, 42 U.S.C. §§9601 et seq. ("CERCLA"); (b) the Hazardous Materials Transportation Act, 49 U.S.C. §§5101 et seq.; (c) the Resource Conservation and Recovery Act, 42 U.S.C. §§6901 et seq. ("RCRA"); (d) the Toxic Substances Control Act, 15 U.S.C. §§2601 et seq.; (e) the Clean Water Act, 33 U.S.C. §§1251 et seq.; (f) the Clean Air Act, 42 U.S.C. §§7401 et seq.; or (g) any other federal, State, or local statute, law, rule, regulation, ordinance, resolution, code, order, or decree regulating, relating to, or imposing liability or standards of conduct concerning, any hazardous, toxic, or dangerous waste, substance, or material.

**Attachments:**


Engineer's Proposal Letter dated October 10, 2022

IN WITNESS WHEREOF, the parties hereto have executed this Agreement, the Effective Date of which is indicated on page 1.

Owner: City of Gahanna

By: \_\_\_\_\_  
Print name: Laurie A. Jadwin  
Title: Mayor  
Date Signed: 01/13/2021

Engineer: American Structurepoint, Inc.  
DocuSigned by:

By:   
Print name: Walid Gemayel  
Title: Senior VP / Partner  
Date Signed: 1/13/2023

Engineer License or Firm's Certificate No. (if required):

State of: Indiana

Address for Owner's receipt of notices:  
Public Service and Engineering Department  
200 South Hamilton  
Gahanna, Ohio 43230

Address for Engineer's receipt of notices:  
Willis R. Conner  
2550 Corporate Exchange Drive, Suite 300  
Columbus, Ohio 43231



AMERICAN  
**STRUCTUREPOINT**  
INC.

2550 CORPORATE EXCHANGE DRIVE, SUITE 300  
COLUMBUS, OHIO 43231  
TEL 614.901.2235  
FAX 614.901.2236

October 10, 2022

City of Gahanna  
Public Service and Engineering Department  
200 South Hamilton  
Gahanna, Ohio 43230  
Attn: Tom Komlanc, PE

**Re: Proposal for Professional Services for FRA-Wynne Ridge Court Replacement (PID 116417)**

Dear Mr. Komlanc,

American Structurepoint, Inc., is pleased to present this proposal for professional services related to the Wynne Ridge Court bridge replacement (PID 116417), including survey, environmental, detailed design, hydraulic analysis, geotechnical investigation/analysis (sub-consultant), right-of-way plans, right-of-way acquisition services, and general project coordination. Since the proposed improvements utilize ODOT's Municipal Bridge Program funds, we are required to follow ODOT Design Standards and Right-of-Way Plan Development. This revised proposal incorporates comments from the City of Gahanna and includes if-authorized tasks for public involvement coordination and on-going services during construction, including shop drawing review and as-built drawings. This revision supersedes our proposal dated October 4, 2022.

### **Scope of Services**

American Structurepoint's scope of services for this project is the following (refer to individual task narratives within the enclosures for additional descriptions):

1. Project Limits
  - A. Approximate project limits include 100 feet east and west of the existing Beam Ditch stream crossing. The project termini will be at approximately 300 feet to the east and 300 feet to the west.

2022.00636

City of Gahanna  
Public Service and Engineering Department  
October 10, 2022  
Page 2

2. Improvements to be Designed

The general scope of the improvements is as described below:

- A. The new Wynne Ridge Court bridge over Beam Ditch will replace the deficient existing precast concrete arch structure constructed in 1995. The project limits are portions of roadway, creek, embankment, and adjacent parcels as required to accommodate the new bridge geometry and fully address necessary scope items required for acquisition, bidding, and construction. The project footprint will be minimized with the proposed roadway work transitioning into the existing condition as soon as practical. Right-of-way plans developed for adjacent parcels impacted by the project are part of the project's scope.

3. Deliverables

American Structurepoint will provide the following deliverables in accordance with ODOT's Project Development Process (PDP) as described under Path 2:

- A. Abbreviated Structure Type Study
  - i. Hydraulic, geotechnical investigation/analysis, and preferred structure alternative will be identified at this stage. The alternatives studied will be limited to precast concrete arch and a composite concrete pre-stressed concrete box beam bridge.
- B. Stage 1 submittal
- C. Preliminary Right-of-Way Submittal
  - i. Upon selected preferred alternative to accelerate acquisition process
- D. Stage 2 and Final R/W submittal
- E. Stage 3 Submittal
- F. Final Tracings
- G. Estimated costs for construction will be submitted with each plan submittal

**Schedule**

American Structurepoint has developed a project schedule based on ODOT Ellis dates (See attached). Additional details regarding project submittal timelines will be coordinated with the City and finalized prior to the Notice to Proceed.

**Clarifications**

The scope of work identified in this document is American Structurepoint's knowledge of the project requirements at the time when this document was prepared, and serves as the basis for our price proposal and agreed fee. However, changes in work may be required as the project develops. Such changes may be dictated by revisions to written procedures included in manuals or decisions made by the City or other reviewing agencies. Although American Structurepoint routinely incorporates minor design changes in our work, we will notify the City in writing of any significant changes in the work that may require modification of the agreement, and will maintain separate cost accounting for each specific issue.

City of Gahanna  
Public Service and Engineering Department  
October 10, 2022  
Page 3

Additional items, including, but not limited to, those listed below can be included as additional tasks if desired by the City:

1. Traffic Data Collection, Analysis, and/or Design
2. OEPA Notice of Intent (NOI) (Not Required as EDA < 1 acre)
3. CLOMR/LOMR
4. Roadway drainage design
5. Additional NEPA studies as required by ODOT or any other agency
6. Analysis of tributary area or flows for the sanitary sewers; it is assumed that the existing sanitary sewers have adequate capacity
7. Permit fees required for environmental, hydraulic, OEPA PTI applications, including fees for public notice/newspaper publication
8. Private/public utility relocation design/plan production
9. Lighting design/analysis
10. Layout staking

Additional services will be performed based upon an agreed upon scope and fee, and receipt of written authorization by the owner.

### **Right-of-Entry**

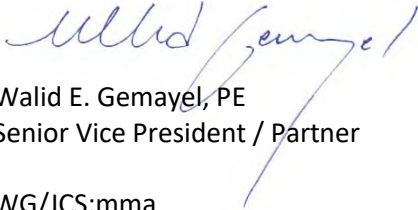
It is understood that the Client hereby grants American Structurepoint permission (if the site is not owned by the Client) that permission has been duly granted for a Right-of-Entry by our firm, agents, staff, consultants, and subcontractors for the purpose of obtaining field information pertinent to the subject project.



City of Gahanna  
Public Service and Engineering Department  
October 10, 2022  
Page 4

We appreciate the opportunity to provide engineering services and look forward to working with you on the successful advancement of this project. If the terms of this proposal are acceptable, please return a signed copy of the attached agreement. If you have any questions or require additional information, please do not hesitate to contact me at 614-901-2235 or [jschmitz@structurepoint.com](mailto:jschmitz@structurepoint.com)

Sincerely,  
American Structurepoint, Inc.



Walid E. Gemayel, PE  
Senior Vice President / Partner

WG/JCS:mma

cc: File

Enclosures:  
ODOT Fee Proposal Spreadsheet  
Preliminary schedule  
Survey Limits  
S&ME geotechnical services proposals  
OR Colan RW acquisition services proposal

# ODOT FEE PROPOSAL SPREADSHEET

## SUMMARY OF STEPS

## SUMMARY OF STEPS

**C-R-S**                      **FRA-WYNNE RIDGE COURT**  
**Consultant:** American Structurepoint  
**Agreement No.** 0  
**Modification No.** 0  
**PID No.** 116417  
**Proposal Date** 10/3/2022

Average Hourly Rate	Total Hours	Labor Costs	Overhead Costs	Cost of Money	Direct Costs	Subcon Costs	Net Fee	Total Cost
<b>AUTHORIZED TASKS:</b>								
Planning Phase								
\$50.77	26	\$1,320	\$2,455	\$3	\$349	\$0	\$374	\$4,500
Preliminary Engineering Phase								
\$53.15	591	\$31,413	\$58,416	\$72	\$425	\$19,968	\$8,889	\$119,183
Environmental Engineering Phase								
\$48.95	775	\$37,938	\$70,550	\$87	\$0	\$0	\$10,736	\$119,310
Final Engineering Phase								
\$55.04	162	\$8,916	\$16,580	\$21	\$0	\$0	\$2,523	\$28,040
Construction Engineering Phase								
	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<b>TOTAL AUTHORIZED TASKS</b>								
<b>\$51.21</b>	<b>1554</b>	<b>\$79,587</b>	<b>\$148,000</b>	<b>\$183</b>	<b>\$774</b>	<b>\$19,968</b>	<b>\$22,521</b>	<b>\$271,033</b>
<b>IF-AUTHORIZED TASKS:</b>								
Planning Phase								
	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Preliminary Engineering Phase								
\$58.94	64	\$3,772	\$7,014	\$9	\$0	\$29,888	\$1,067	\$41,750
Environmental Engineering Phase								
\$48.39	226	\$10,936	\$20,337	\$25	\$0	\$0	\$3,095	\$34,392
Final Engineering Phase								
\$67.57	28	\$1,892	\$3,518	\$4	\$0	\$15,900	\$535	\$21,850
Construction Engineering Phase								
\$66.33	72	\$4,776	\$8,881	\$11	\$0	\$0	\$1,351	\$15,020
<b>TOTAL IF-AUTHORIZED TASKS</b>								
<b>\$54.81</b>	<b>390</b>	<b>\$21,376</b>	<b>\$39,751</b>	<b>\$49</b>	<b>\$0</b>	<b>\$45,788</b>	<b>\$6,049</b>	<b>\$113,013</b>
<b>GRAND TOTAL</b>	<b>1944</b>	<b>\$100,963</b>	<b>\$187,751</b>	<b>\$232</b>	<b>\$774</b>	<b>\$65,756</b>	<b>\$28,570</b>	<b>\$384,046</b>

C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL COST SUMMARY								Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint												
<b>Agreement No.</b>	0			<b>State Average Overhead Rate</b>			157.25%						
<b>Modification No.</b>	0			<b>Consultant Overhead Rate:</b>			185.96%						
<b>PID No.</b>	116417			<b>Cost of Money:</b>			0.23%						
<b>Proposal Date</b>	10/10/2022			<b>Net Fee Percentage:</b>			11%						
		<b>No. of Units</b>	<b>Average Hourly Rate</b>	<b>Total Hours</b>	<b>Labor Costs</b>	<b>Overhead Costs</b>	<b>Cost of Money</b>	<b>Direct Costs</b>	<b>Subcon Costs</b>	<b>Net Fee</b>	<b>Total Cost</b>		
<b>Task Description</b>													
<b>AUTHORIZED TASKS:</b>													
<b>1 - Planning Phase</b>													
<b>1.3 - Existing Data, Research and Analysis</b>													
1.3.1 - Asbestos Survey													
		\$50.77	26	\$1,320	\$2,455	\$3	\$349			\$374	\$4,500		
<b>TOTAL 1.3 - Existing Data, Research and Analysis</b>		\$50.77	26	\$1,320	\$2,455	\$3	\$349	\$0		\$374	\$4,500		
<b>TOTAL 1- Planning Phase</b>		\$50.77	26	\$1,320	\$2,455	\$3	\$349	\$0		\$374	\$4,500		
<b>2 - Preliminary Engineering Phase</b>													
<b>2.2 - Perform Environmental Field Studies</b>													
2.2.A - Property Owner Notification													
		\$40.00	3	\$120	\$223	\$0	\$0			\$34	\$377		
<b>TOTAL 2.2 - Perform Environmental Field Studies</b>		\$40.00	3	\$120	\$223	\$0	\$25	\$0		\$34	\$402		
<b>2.3 - AER Design</b>													
2.3.A - Field Survey and Aerial Mapping													
2.3.A.A - Project Control, Benchmarks, and Reference Points													
2.3.A.A.2 - Type "B" Monument Specified													
		\$67.67	6	\$406	\$755	\$1	\$0			\$115	\$1,277		
2.3.A.B - Monumentation recovery													
2.3.A.C - Base Mapping (incl. field verify.)													
2.3.A.C.2 - R/W Project													
		\$44.85	26	\$1,166	\$2,168	\$3	\$0			\$330	\$3,667		
2.3.A.D - Drainage Survey (stream cross sections)													
2.3.A.E - Bridge Survey													
2.3.A.G - Property Owner Notification													
		\$30.00	2	\$60	\$112	\$0	\$0			\$17	\$189		
2.3.B - Roadway													
2.3.B.A - Design Criteria													
		\$51.00	4	\$204	\$379	\$0	\$0			\$58	\$642		
<b>TOTAL 2.3 - AER Design</b>		\$58.36	72	\$4,202	\$7,814	\$10	\$0	\$0		\$1,189	\$13,215		
<b>2.4 - Prepare Cost Estimates</b>													
2.4.A - Roadway/Interchange Costs													
		\$58.50	8	\$468	\$870	\$1	\$0			\$132	\$1,472		
<b>TOTAL 2.4 - Prepare Cost Estimates</b>		\$58.50	8	\$468	\$870	\$1	\$0	\$0		\$132	\$1,472		
<b>2.5 - AER Submittal and Other Studies</b>													
2.5.D - Structures													
2.5.D.A - Bridge Structure Type Study (break out each bridge separately)													
		\$51.29	240	\$12,310	\$22,892	\$28	\$0			\$3,483	\$38,713		
2.5.D.B - Perform Bridge Hydrology Analysis													
		\$52.00	4	\$208	\$387	\$0	\$400			\$59	\$1,054		
2.5.D.C - Perform bridge hydraulic study and scour analysis													
		\$49.73	55	\$2,735	\$5,086	\$6	\$0			\$774	\$8,601		



C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL COST SUMMARY								Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint												
<b>Agreement No.</b>	0												
<b>Modification No.</b>	0												
<b>PID No.</b>	116417												
<b>Proposal Date</b>	10/10/2022												
			<b>No. of Units</b>	<b>Average Hourly Rate</b>	<b>Total</b>	<b>Labor</b>	<b>Overhead</b>	<b>Cost of</b>	<b>Direct</b>	<b>Subcon</b>	<b>Net</b>	<b>Total</b>	
<b>Task Description</b>					<b>Hours</b>	<b>Costs</b>	<b>Costs</b>	<b>Money</b>	<b>Costs</b>	<b>Costs</b>	<b>Fee</b>	<b>Cost</b>	
<b>TOTAL 2.5 - AER Submittal and Other Studies</b>			\$51.01	299	\$15,253	\$28,364	\$35	\$400	\$0	\$4,316	\$48,369		
<b>2.6 - Public Involvement/Coordination</b>													
2.6.A - Public Involvement / Coordination			\$42.50	24	\$1,020	\$1,897	\$2	\$0	\$0	\$289	\$3,208		
<b>TOTAL 2.6 - Public Involvement/Coordination</b>			\$42.50	24	\$1,020	\$1,897	\$2	\$0	\$0	\$289	\$3,208		
<b>2.7 - Stage 1 Design</b>													
2.7.A - Roadway													
2.7.A.A - Title Sheet			\$47.75	8	\$382	\$710	\$1	\$0	\$0	\$108	\$1,201		
2.7.A.B - Schematic Plan			\$58.50	8	\$468	\$870	\$1	\$0	\$0	\$132	\$1,472		
2.7.A.C - General Notes			\$47.75	8	\$382	\$710	\$1	\$0	\$0	\$108	\$1,201		
2.7.A.D - Typical Sections			\$52.00	12	\$624	\$1,160	\$1	\$0	\$0	\$177	\$1,962		
2.7.A.E - Cross Sections			\$52.42	24	\$1,258	\$2,339	\$3	\$0	\$0	\$356	\$3,956		
2.7.A.F - Plan and Profile - Mainline			\$48.46	24	\$1,163	\$2,163	\$3	\$0	\$0	\$329	\$3,657		
2.7.A.L - Driveway Details			\$44.00	4	\$176	\$327	\$0	\$0	\$0	\$50	\$553		
2.7.B - Drainage													
2.7.B.A - Storm Sewer Profiles			\$51.00	4	\$204	\$379	\$0	\$0	\$0	\$58	\$642		
2.7.C - Utilities													
2.7.C.A - Utility Coordination and Documentation			\$66.50	8	\$532	\$989	\$1	\$0	\$0	\$151	\$1,673		
2.7.C.B - Description or proposed water and/or sewer work			\$65.00	2	\$130	\$242	\$0	\$0	\$0	\$37	\$409		
2.7.D - Geotechnical Services													
2.7.D.A - Geotechnical Services and Report			\$65.00	4	\$260	\$483	\$1	\$0	\$19,968	\$74	\$20,786		
2.7.F - Structures - Design Report													
2.7.F.B - Final Structure Site Plan			\$52.33	24	\$1,256	\$2,336	\$3	\$0	\$0	\$355	\$3,950		
2.7.H - Prepare C2 Cost Estimates and Update Milestones													
2.7.H.A - Roadway/Interchange Costs			\$51.00	8	\$408	\$759	\$1	\$0	\$0	\$115	\$1,283		
2.7.I - Lighting Plans			\$57.00	13	\$741	\$1,378	\$2	\$0	\$0	\$210	\$2,330		
2.7.J - Maintenance of Traffic													
2.7.J.D - MOT Coordination Discussions			\$68.00	8	\$544	\$1,012	\$1	\$0	\$0	\$154	\$1,711		
<b>TOTAL - 2.7 - Stage 1 Design</b>			\$53.64	159	\$8,528	\$15,859	\$20	\$0	\$19,968	\$2,413	\$46,787		
<b>2.8 - Project Management for Preliminary Engineering Phase</b>													
2.8.A - Meetings			\$68.00	8	\$544	\$1,012	\$1	\$0	\$0	\$154	\$1,711		
2.8.B - General Oversight			\$71.00	12	\$852	\$1,584	\$2	\$0	\$0	\$241	\$2,679		
2.8.C - Project Set Up			\$71.00	6	\$426	\$792	\$1	\$0	\$0	\$121	\$1,340		
<b>TOTAL 2.8 - Project Management for Preliminary Engineering Phase</b>			\$70.08	26	\$1,822	\$3,388	\$4	\$0	\$0	\$516	\$5,730		
<b>Total - 2 Preliminary Engineering Phase</b>			53.15	591	\$31,413	\$58,416	\$72	\$425	\$19,968	\$8,889	\$119,183		
<b>3 - Environmental Engineering Phase</b>													

C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL COST SUMMARY								Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint												
<b>Agreement No.</b>	0			<b>State Average Overhead Rate</b>				157.25%					
<b>Modification No.</b>	0			<b>Consultant Overhead Rate:</b>				185.96%					
<b>PID No.</b>	116417			<b>Cost of Money:</b>				0.23%					
<b>Proposal Date</b>	10/10/2022			<b>Net Fee Percentage:</b>				11%					
			<b>No. of Units</b>	<b>Average Hourly Rate</b>	<b>Total</b>	<b>Labor</b>	<b>Overhead</b>	<b>Cost of</b>	<b>Direct</b>	<b>Subcon</b>	<b>Net</b>	<b>Total</b>	
<b>Task Description</b>					<b>Hours</b>	<b>Costs</b>	<b>Costs</b>	<b>Money</b>	<b>Costs</b>	<b>Costs</b>	<b>Fee</b>	<b>Cost</b>	
3.1.M - Waterway Permit													
3.1.M.B - Prepare Waterway Permit Applications				\$42.86	14	\$600	\$1,116	\$1	\$0		\$170	\$1,887	
<b>TOTAL 3.1 - Environmental Field Studies and Refined Impacts</b>				\$42.86	14	\$600	\$1,116	\$1	\$0	\$0	\$170	\$1,887	
<b>3.3 - Stage2</b>													
3.3.A - Roadway													
3.3.A.A - Title Sheet				\$51.00	4	\$204	\$379	\$0	\$0		\$58	\$642	
3.3.A.B - Schematic				\$51.00	4	\$204	\$379	\$0	\$0		\$58	\$642	
3.3.A.C - General Notes				\$51.00	12	\$612	\$1,138	\$1	\$0		\$173	\$1,925	
3.3.A.D - Typical Sections				\$51.00	4	\$204	\$379	\$0	\$0		\$58	\$642	
3.3.A.E - Plan and Profile - Mainline				\$51.00	8	\$408	\$759	\$1	\$0		\$115	\$1,283	
3.3.A.H - Cross Sections				\$51.00	12	\$612	\$1,138	\$1	\$0		\$173	\$1,925	
3.3.B - Drainage													
3.3.B.A - Storm Sewer Profiles				\$51.00	2	\$102	\$190	\$0	\$0		\$29	\$321	
3.3.B.D - Underdrain details				\$51.00	2	\$102	\$190	\$0	\$0		\$29	\$321	
3.3.E - Maintenance of Traffic													
3.3.E.A - MOT General Notes				\$47.50	16	\$760	\$1,413	\$2	\$0		\$215	\$2,390	
3.3.E.E - MOT Typical Sections				\$51.00	12	\$612	\$1,138	\$1	\$0		\$173	\$1,925	
3.3.E.F - MOT Plan Sheets				\$51.35	74	\$3,800	\$7,066	\$9	\$0		\$1,075	\$11,951	
3.3.E.H - New Temporary Signal													
3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection				\$51.00	40	\$2,040	\$3,794	\$5	\$0		\$577	\$6,416	
3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source				\$51.00	40	\$2,040	\$3,794	\$5	\$0		\$577	\$6,416	
3.3.F - Lighting Plan													
3.3.F.C - Lighting Plan and Details				\$48.60	15	\$729	\$1,356	\$2	\$0		\$206	\$2,293	
3.3.I - Bridge Plans (break out for each bridge separately)													
3.3.I.A Bridge Plans				\$48.04	245	\$11,770	\$21,887	\$27	\$0		\$3,331	\$37,015	
3.3.J - Utilities													
3.3.J.A - Utility Coordination and Documentation				\$68.00	24	\$1,632	\$3,035	\$4	\$0		\$462	\$5,132	
3.3.J.B - Water Works Plan				\$48.23	26	\$1,254	\$2,332	\$3	\$0		\$355	\$3,944	
3.3.J.C - Water Works Details & Notes				\$50.58	38	\$1,922	\$3,574	\$4	\$0		\$544	\$6,044	
<b>TOTAL 3.3 - Stage2</b>				\$50.19	578	\$29,007	\$53,941	\$67	\$0	\$0	\$8,208	\$91,223	
<b>3.4 - Right of Way Plans</b>													
3.4.B - Preliminary Right of Way Plans													
3.4.B.A - Legend Sheet				\$41.00	6	\$246	\$457	\$1	\$0		\$70	\$774	
3.4.B.B - Centerline Survey Plat				\$38.25	16	\$612	\$1,138	\$1	\$0		\$173	\$1,925	
3.4.B.C - Property Map				\$36.60	10	\$366	\$681	\$1	\$0		\$104	\$1,151	
3.4.B.D - Summary of Additional Right of Way				\$36.60	10	\$366	\$681	\$1	\$0		\$104	\$1,151	
3.4.B.E - Detailed ROW Plan Sheets				\$38.25	32	\$1,224	\$2,276	\$3	\$0		\$346	\$3,849	
3.4.B.G - Legal Descriptions and Closure Calculations				\$36.60	10	\$366	\$681	\$1	\$0		\$104	\$1,151	
3.4.B.I - Field Review				\$30.00	4	\$120	\$223	\$0	\$0		\$34	\$377	
3.4.C - Final Right of Way Plans													

C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL COST SUMMARY								Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint												
<b>Agreement No.</b>	0			<b>State Average Overhead Rate</b>			157.25%						
<b>Modification No.</b>	0			<b>Consultant Overhead Rate:</b>			185.96%						
<b>PID No.</b>	116417			<b>Cost of Money:</b>			0.23%						
<b>Proposal Date</b>	10/10/2022			<b>Net Fee Percentage:</b>			11%						
			<b>No. of Units</b>	<b>Average Hourly Rate</b>	<b>Total</b>	<b>Labor</b>	<b>Overhead</b>	<b>Cost of</b>	<b>Direct</b>	<b>Subcon</b>	<b>Net</b>	<b>Total</b>	
<b>Task Description</b>				<b>Rate</b>	<b>Hours</b>	<b>Costs</b>	<b>Costs</b>	<b>Money</b>	<b>Costs</b>	<b>Costs</b>	<b>Fee</b>	<b>Cost</b>	
3.4.C.A - Final Right of Way Plans				\$41.00	18	\$738	\$1,372	\$2	\$0		\$209	\$2,321	
3.4.C.B - Field Review & Verify Property Owners				\$30.00	6	\$180	\$335	\$0	\$0		\$51	\$566	
3.4.C.C - Record Centerline Plat and all appropriate documents				\$41.00	6	\$246	\$457	\$1	\$0		\$70	\$774	
3.4.C.D - Set R/W Pins after acquisition				\$60.33	9	\$543	\$1,010	\$1	\$0		\$154	\$1,708	
<b>TOTAL 3.4 - Right of Way Plans</b>				\$39.43	127	\$5,007	\$9,311	\$12	\$0	\$0	\$1,417	\$15,746	
<b>3.8 - Prepare Cost Estimates and Revise Milestone</b>													
3.8.A - Roadway/Interchange Costs				\$58.50	8	\$468	\$870	\$1	\$0		\$132	\$1,472	
3.8.B - Structures Costs				\$48.60	20	\$972	\$1,808	\$2	\$0		\$275	\$3,057	
3.8.C - Utility Costs				\$51.00	4	\$204	\$379	\$0	\$0		\$58	\$642	
<b>TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone</b>				\$51.38	32	\$1,644	\$3,057	\$4	\$0	\$0	\$465	\$5,170	
<b>3.9 - Project Management for Environmental Engineering Phase</b>													
3.9.A - Meetings				\$68.00	8	\$544	\$1,012	\$1	\$0		\$154	\$1,711	
3.9.B - General Oversight				\$71.00	16	\$1,136	\$2,113	\$3	\$0		\$321	\$3,573	
<b>TOTAL 3.9 - Project Management for Environmental Engineering Phase</b>				\$70.00	24	\$1,680	\$3,124	\$4	\$0	\$0	\$475	\$5,283	
<b>Total - 3 Environmental Engineering Phase</b>				<b>48.95</b>	<b>775</b>	<b>\$37,938</b>	<b>\$70,550</b>	<b>\$87</b>	<b>\$0</b>	<b>\$0</b>	<b>\$10,736</b>	<b>\$119,310</b>	
<b>4 - Final Engineering and R/W Phase</b>													
<b>4.1 - Right of Way Acquisition</b>													
4.1.A - Right of Way Acquisition				#DIV/0!	0	\$0	\$0	\$0	\$0		\$0	\$0	
<b>TOTAL 4.1 - Right of Way Acquisition</b>				#DIV/0!	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
<b>4.2 - Stage 3 Detailed Design Plans</b>													
<b>4.2.A - Quantities and Notes</b>													
4.2.A.A - Pavement Subsummary				\$65.00	4	\$260	\$483	\$1	\$0		\$74	\$818	
4.2.A.C - Roadway Subsummary				\$65.00	4	\$260	\$483	\$1	\$0		\$74	\$818	
4.2.A.E - Maintenance of Traffic Subsummary				\$65.00	4	\$260	\$483	\$1	\$0		\$74	\$818	
4.2.A.K - Lighting Subsummary				\$65.00	4	\$260	\$483	\$1	\$0		\$74	\$818	
4.2.A.M - General Summary Sheet				\$51.00	36	\$1,836	\$3,414	\$4	\$0		\$520	\$5,774	
4.2.A.N - Bridge Estimated Quantities Sheet				\$50.67	12	\$608	\$1,131	\$1	\$0		\$172	\$1,912	
4.2.A.O - Reinforcing Steel Schedule				\$51.78	36	\$1,864	\$3,466	\$4	\$0		\$527	\$5,862	
4.2.A.S - Bridge General Notes				\$55.80	20	\$1,116	\$2,075	\$3	\$0		\$316	\$3,510	
4.2.D - Miscellaneous													
4.2.D.G - Title Sheet				\$44.50	4	\$178	\$331	\$0	\$0		\$50	\$560	
<b>TOTAL 4.2 - Stage 3 Detailed Design Plans</b>				\$53.56	124	\$6,642	\$12,351	\$15	\$0	\$0	\$1,880	\$20,888	
<b>4.3 - Prepare Cost Estimates and Revise Milestone</b>													

C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL COST SUMMARY							
<b>Consultant:</b>	American Structurepoint										
<b>Agreement No.</b>	0			<b>State Average Overhead Rate</b>			157.25%				
<b>Modification No.</b>	0			<b>Consultant Overhead Rate:</b>			185.96%				
<b>PID No.</b>	116417			<b>Cost of Money:</b>			0.23%				
<b>Proposal Date</b>	10/10/2022			<b>Net Fee Percentage:</b>			11%				
		<b>No. of Units</b>	<b>Average Hourly Rate</b>	<b>Total Hours</b>	<b>Labor Costs</b>	<b>Overhead Costs</b>	<b>Cost of Money</b>	<b>Direct Costs</b>	<b>Subcon Costs</b>	<b>Net Fee</b>	<b>Total Cost</b>
<b>Task Description</b>											
4.3.A - Roadway/Interchange Costs			\$58.50	8	\$468	\$870	\$1	\$0		\$132	\$1,472
<b>TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone</b>			\$58.50	8	\$468	\$870	\$1	\$0	\$0	\$132	\$1,472
<b>4.4 - Final Plan Package</b>											
4.4.A - Submission of Final Tracings and Documentation			\$60.20	30	\$1,806	\$3,358	\$4	\$0		\$511	\$5,680
<b>4.4 - Final Plan Package</b>			\$60.20	30	\$1,806	\$3,358	\$4	\$0	\$0	\$511	\$5,680
<b>TOTAL - Final Engineering Phase</b>			\$55.04	162	\$8,916	\$16,580	\$21	\$0	\$0	\$2,523	\$28,040
<b>TOTAL AUTHORIZED PARTS</b>			\$51.21	1,554	\$79,587	\$148,000	\$183	\$774	\$19,968	\$22,521	\$271,033
<b>IF-AUTHORIZED TASKS:</b>											
<b>TOTAL 1- If-Authorized Planning Phase</b>				0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
2.6.A - Public Involvement / Coordination			\$65.33	36	\$2,352	\$4,374	\$5	\$0		\$666	\$7,397
2.7.E - Retaining Wall Plans			\$50.71	28	\$1,420	\$2,641	\$3	\$0	\$29,888	\$402	\$34,354
<b>TOTAL 1- If-Authorized Preliminary Engineering Phase</b>			\$8.9375	64	\$3,772	\$7,014	\$9	\$0	\$29,888	\$1,067	\$41,750
3.3.I.A Bridge Plans			\$48.19	210	\$10,120	\$18,819	\$23	\$0		\$2,864	\$31,826
3.3.I.B Structure Rating			\$51.00	16	\$816	\$1,517	\$2	\$0		\$231	\$2,566
<b>TOTAL- If-Authorized Environmental Engineering Phase</b>			\$48.39	226	\$10,936	\$20,337	\$25	\$0	\$0	\$3,095	\$34,392
<b>4.1 - Right of Way Acquisition</b>											
4.1.A - Right of Way Acquisition			\$65.00	4	\$260	\$483	\$1	\$0	\$15,900	\$74	\$16,718
4.6.A - Pre-Bid Questions			\$68.00	24	\$1,632	\$3,035	\$4	\$0		\$462	\$5,132
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>			\$67.57	28	\$1,892	\$3,518	\$4	\$0	\$15,900	\$535	\$21,850
5.1.A - On-going Services During Construction			\$66.33	72	\$4,776	\$8,881	\$11	\$0		\$1,351	\$15,020
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>			\$66.33	72	\$4,776	\$8,881	\$11	\$0	\$0	\$1,351	\$15,020
<b>TOTAL IF-AUTHORIZED PARTS</b>			\$54.81	390	\$21,376	\$39,751	\$49	\$0	\$45,788	\$6,049	\$113,013
<b>GRAND TOTAL</b>			\$51.94	1,944	\$100,963	\$187,751	\$232	\$774	\$65,756	\$28,570	\$384,046



C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL LABOR SUMMARY								Version: Sept 2021	
Consultant:	American Structurepoint												
Agreement No.													
Modification No.													
PID No.	116417												
Proposal Date	10/10/2022												
Task Description	No. of Units	Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Registered Land Surveyor	Survey Crew	Senior Environmental Specialist	Staff Scientist/Surveyor	Senior Technician	Total	Hours	Cost
<b>AUTHORIZED TASKS:</b>													
<b>1 - Planning Phase</b>													
<b>1.3 - Existing Data, Research and Analysis</b>													
1.3.1 - Asbestos Survey								18	8			26	\$1,320
<b>TOTAL 1.3 - Existing Data, Research and Analysis</b>	0	0	0	0	0	0	0	18	8	0		26	\$1,320
<b>TOTAL 1- Planning Phase</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>8</b>	<b>0</b>		<b>26</b>	<b>\$1,320</b>
<b>2 - Preliminary Engineering Phase</b>													
<b>2.2 - Perform Environmental Field Studies</b>													
2.2.A - Property Owner Notification								1	2			3	\$120
<b>TOTAL 2.2 - Perform Environmental Field Studies</b>	0	0	0	0	0	0	0	1	2	0		3	\$120
<b>2.3 - AER Design</b>													
<b>2.3.A - Field Survey and Aerial Mapping</b>													
2.3.A.A - Project Control, Benchmarks, and Reference Points													
2.3.A.A.2 - Type "B" Monument Specified						2	4					6	\$406
2.3.A.B - Monumentation recovery													
2.3.A.C - Base Mapping (incl. field verify.)													
2.3.A.C.2 - R/W Project						2	8		16			26	\$1,166
2.3.A.D - Drainage Survey (stream cross sections)						2	32					34	\$2,366
2.3.A.E - Bridge Survey													
2.3.A.G - Property Owner Notification									2			2	\$60
<b>2.3.B - Roadway</b>													
2.3.B.A - Design Criteria			2		2							4	\$204
<b>TOTAL 2.3 - AER Design</b>	0	0	2	0	2	6	44	0	18	0		72	\$4,202
<b>2.4 - Prepare Cost Estimates</b>													
2.4.A - Roadway/Interchange Costs			4	4								8	\$468
<b>TOTAL 2.4 - Prepare Cost Estimates</b>	0	0	4	4	0	0	0	0	0	0		8	\$468
<b>2.5 - AER Submittal and Other Studies</b>													
<b>2.5.D - Structures</b>													
2.5.D.A - Bridge Structure Type Study (break out each bridge separately)			60	90	40					50		240	\$12,310
2.5.D.B - Perform Bridge Hydrology Analysis				4								4	\$208
2.5.D.C - Perform bridge hydraulic study and scour analysis			25		30							55	\$2,735
<b>TOTAL 2.5 - AER Submittal and Other Studies</b>	0	0	85	94	70	0	0	0	0	50		299	\$15,253
<b>2.6 - Public Involvement/Coordination</b>													
2.6.A - Public Involvement / Coordination								10	14			24	\$1,020
<b>TOTAL 2.6 - Public Involvement/Coordination</b>	0	0	0	0	0	0	0	10	14	0		24	\$1,020
<b>2.7 - Stage 1 Design</b>													
<b>2.7.A - Roadway</b>													
2.7.A.A - Title Sheet	1		2	2	4							8	\$382

C-R-S		FRA-WYNNE RIDGE COURT										PROPOSAL LABOR SUMMARY		Version: Sept 2021	
<b>Consultant:</b>		American Structurepoint													
<b>Agreement No.</b>															
<b>Modification No.</b>															
<b>PID No.</b>		116417													
<b>Proposal Date</b>		10/10/2022													
Task Description	No. of Units	Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Registered Land Surveyor	Survey Crew	Senior Environmental Specialist	Staff Scientist/Surveyor	Senior Technician	Total				
											Hours	Cost			
2.7.A.B - Schematic Plan												8	\$468		
2.7.A.C - General Notes	2		2	2	4							8	\$382		
2.7.A.D - Typical Sections	2			12								12	\$624		
2.7.A.E - Cross Sections	12		10	6	8							24	\$1,258		
2.7.A.F - Plan and Profile - Mainline	1		5	9	10							24	\$1,163		
2.7.A.L - Driveway Details	1		1		3							4	\$176		
<b>2.7.B - Drainage</b>															
2.7.B.A - Storm Sewer Profiles	1		2		2							4	\$204		
<b>2.7.C - Utilities</b>															
2.7.C.A - Utility Coordination and Documentation		2	6									8	\$532		
2.7.C.B - Description or proposed water and/or sewer work			2									2	\$130		
<b>2.7.D - Geotechnical Services</b>															
2.7.D.A - Geotechnical Services and Report			4									4	\$260		
<b>2.7.F - Structures - Design Report</b>															
2.7.F.B - Final Structure Site Plan			6	8						10		24	\$1,256		
<b>2.7.H - Prepare C2 Cost Estimates and Update Milestones</b>															
2.7.H.A - Roadway/Interchange Costs			4		4							8	\$408		
<b>2.7.I - Lighting Plans</b>															
2.7.I - Lighting Plans			5	8								13	\$741		
<b>2.7.J - Maintenance of Traffic</b>															
2.7.J.D - MOT Coordination Discussions		4	4									8	\$544		
<b>TOTAL - 2.7 - Stage 1 Design</b>		20	6	57	51	35	0	0	0	0	10	159	\$8,528		
<b>2.8 - Project Management for Preliminary Engineering Phase</b>															
<b>2.8.A - Meetings</b>															
2.8.A - Meetings		4	4									8	\$544		
<b>2.8.B - General Oversight</b>															
2.8.B - General Oversight		12										12	\$852		
<b>2.8.C - Project Set Up</b>															
2.8.C - Project Set Up		6										6	\$426		
<b>TOTAL 2.8 - Project Management for Preliminary Engineering Phase</b>			22	4	0	0	0	0	0	0	0	26	\$1,822		
<b>Total - 2 Preliminary Engineering Phase</b>			28	152	149	107	6	44	11	34	60	591	\$31,413		
<b>3 - Environmental Engineering Phase</b>															
<b>3.1.M - Waterway Permit</b>															
<b>3.1.M.B - Prepare Waterway Permit Applications</b>															
3.1.M.B - Prepare Waterway Permit Applications								6	8			14	\$600		
<b>TOTAL 3.1 - Environmental Field Studies and Refined Impacts</b>			0	0	0	0	0	0	6	8	0	14	\$600		
<b>3.3 - Stage2</b>															
<b>3.3.A - Roadway</b>															
<b>3.3.A.A - Title Sheet</b>															
3.3.A.A - Title Sheet	1		2		2							4	\$204		
<b>3.3.A.B - Schematic</b>															
3.3.A.B - Schematic	1		2		2							4	\$204		
<b>3.3.A.C - General Notes</b>															
3.3.A.C - General Notes	2		6		6							12	\$612		
<b>3.3.A.D - Typical Sections</b>															
3.3.A.D - Typical Sections	2		2		2							4	\$204		
<b>3.3.A.E - Plan and Profile - Mainline</b>															
3.3.A.E - Plan and Profile - Mainline	1		4		4							8	\$408		
<b>3.3.A.H - Cross Sections</b>															
3.3.A.H - Cross Sections	12		6		6							12	\$612		
<b>3.3.B - Drainage</b>															
<b>3.3.B.A - Storm Sewer Profiles</b>															
3.3.B.A - Storm Sewer Profiles			1		1							2	\$102		
<b>3.3.B.D - Underdrain details</b>															
3.3.B.D - Underdrain details			1		1							2	\$102		
<b>3.3.E - Maintenance of Traffic</b>															
<b>3.3.E.A - MOT General Notes</b>															
3.3.E.A - MOT General Notes			6		10							16	\$760		
<b>3.3.E.E - MOT Typical Sections</b>															
3.3.E.E - MOT Typical Sections			6		6							12	\$612		

C-R-S		FRA-WYNNE RIDGE COURT		PROPOSAL LABOR SUMMARY									Version: Sept 2021	
<b>Consultant:</b>		American Structurepoint												
<b>Agreement No.</b>														
<b>Modification No.</b>														
<b>PID No.</b>		116417												
<b>Proposal Date</b>		10/10/2022												
Task Description		No. of Units	Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Registered Land Surveyor	Survey Crew	Senior Environmental Specialist	Staff Scientist/Surveyor	Senior Technician	Hours	Cost	
3.3.E.F - MOT Plan Sheets			\$71.00	\$65.00	\$52.00	\$37.00	\$63.00	\$70.00	\$60.00	\$30.00	\$45.00	74	\$3,800	
3.3.E.H - New Temporary Signal														
3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection				20		20						40	\$2,040	
3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source				20		20						40	\$2,040	
3.3.F - Lighting Plan														
3.3.F.C - Lighting Plan and Details				3	6	6						15	\$729	
3.3.I - Bridge Plans (break out for each bridge separately)														
3.3.I.A Bridge Plans				50	55	80					60	245	\$11,770	
3.3.J - Utilities														
3.3.J.A - Utility Coordination and Documentation			12	12								24	\$1,632	
3.3.J.B - Water Works Plan			2	8		16						26	\$1,254	
3.3.J.C - Water Works Details & Notes			2	16		20						38	\$1,922	
<b>TOTAL 3.3 - Stage2</b>		19	16	189	87	226	0	0	0	0	60	578	\$29,007	
<b>3.4 - Right of Way Plans</b>														
3.4.B - Preliminary Right of Way Plans														
3.4.B.A - Legend Sheet							2			4		6	\$246	
3.4.B.B - Centerline Survey Plat							4			12		16	\$612	
3.4.B.C - Property Map							2			8		10	\$366	
3.4.B.D - Summary of Additional Right of Way							2			8		10	\$366	
3.4.B.E - Detailed ROW Plan Sheets							8			24		32	\$1,224	
3.4.B.G - Legal Descriptions and Closure Calculations							2			8		10	\$366	
3.4.B.I - Field Review										4		4	\$120	
3.4.C - Final Right of Way Plans														
3.4.C.A - Final Right of Way Plans						6				12		18	\$738	
3.4.C.B - Field Review & Verify Property Owners										6		6	\$180	
3.4.C.C - Record Centerline Plat and all appropriate documents							2			4		6	\$246	
3.4.C.D - Set R/W Pins after acquisition							1	6		2		9	\$543	
<b>TOTAL 3.4 - Right of Way Plans</b>		0	0	0	0	0	29	6	0	92	0	127	\$5,007	
<b>3.8 - Prepare Cost Estimates and Revise Milestone</b>														
3.8.A - Roadway/Interchange Costs				4	4							8	\$468	
3.8.B - Structures Costs				4	8	8						20	\$972	
3.8.C - Utility Costs				2		2						4	\$204	
<b>TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone</b>		0	0	10	12	10	0	0	0	0	0	32	\$1,644	
<b>3.9 - Project Management for Environmental Engineering Phase</b>														
3.9.A - Meetings			4	4								8	\$544	
3.9.B - General Oversight			16									16	\$1,136	
<b>TOTAL 3.9 - Project Management for Environmental Engineering Phase</b>		0	20	4	0	0	0	0	0	0	0	24	\$1,680	
<b>Total - 3 Environmental Engineering Phase</b>			36	203	99	236	29	6	6	100	60	775	\$37,938	
<b>4 - Final Engineering and R/W Phase</b>														
4.1 - Right of Way Acquisition														
4.1.A - Right of Way Acquisition												0	\$0	
<b>TOTAL 4.1 - Right of Way Acquisition</b>		0	0	0	0	0	0	0	0	0	0	0	\$0	

C-R-S		FRA-WYNNE RIDGE COURT										PROPOSAL LABOR SUMMARY		Version: Sept 2021	
<b>Consultant:</b>		American Structurepoint													
<b>Agreement No.</b>															
<b>Modification No.</b>															
<b>PID No.</b>		116417													
<b>Proposal Date</b>		10/10/2022													
Task Description		No. of Units	Project Manager	Senior Engineer	Project Engineer	Staff Engineer	Registered Land Surveyor	Survey Crew	Senior Environmental Specialist	Staff Scientist/Surveyor	Senior Technician	Total			
			\$71.00	\$65.00	\$52.00	\$37.00	\$63.00	\$70.00	\$60.00	\$30.00	\$45.00	Hours	Cost		
<b>4.2 - Stage 3 Detailed Design Plans</b>															
4.2.A - Quantities and Notes															
4.2.A.A - Pavement Subsummary															
4.2.A.C - Roadway Subsummary															
4.2.A.E - Maintenance of Traffic Subsummary															
4.2.A.K - Lighting Subsummary															
4.2.A.M - General Summary Sheet															
4.2.A.N - Bridge Estimated Quantities Sheet															
4.2.A.O - Reinforcing Steel Schedule															
4.2.A.S - Bridge General Notes															
4.2.D - Miscellaneous															
4.2.D.G - Title Sheet															
<b>TOTAL 4.2 - Stage 3 Detailed Design Plans</b>		0	0	52	26	20	0	0	0	0	26	124	\$6,642		
<b>4.3 - Prepare Cost Estimates and Revise Milestone</b>															
4.3.A - Roadway/Interchange Costs															
<b>TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone</b>		0	0	4	4	0	0	0	0	0	0	8	\$468		
<b>4.4 - Final Plan Package</b>															
4.4.A - Submission of Final Tracings and Documentation															
<b>4.4 - Final Plan Package</b>		0	2	16	12	0	0	0	0	0	0	30	\$1,806		
<b>TOTAL - Final Engineering Phase</b>			2	72	42	20	0	0	0	0	26	162	\$8,916		
<b>TOTAL AUTHORIZED PARTS</b>			66	427	290	363	35	50	35	142	146	1554	\$79,587		
<b>IF-AUTHORIZED TASKS:</b>															
<b>TOTAL 1- If-Authorized Planning Phase</b>															
2.6.A - Public Involvement / Coordination			12	12					12			36	\$2,352		
2.7.E - Retaining Wall Plans				8							20	28	\$1,420		
<b>TOTAL 1- If-Authorized Preliminary Engineering Phase</b>			12	20	0	0	0	0	12	0	20	64	\$3,772		
3.3.I.A Bridge Plans				40	50	60					60	210	\$10,120		
3.3.I.B Structure Rating				8		8						16	\$816		
<b>TOTAL- If-Authorized Environmental Engineering Phase</b>			0	48	50	68	0	0	0	0	60	226	\$10,936		
<b>4.1 - Right of Way Acquisition</b>															
4.1.A - Right of Way Acquisition															
4.6.A - Pre-Bid Questions			12	12								24	\$1,632		
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>			12	16	0	0	0	0	0	0	0	28	\$1,892		
5.1.A - On-going Services During Construction															
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>			16	56	0	0	0	0	0	0	0	72	\$4,776		
<b>TOTAL IF-AUTHORIZED PARTS</b>			40	140	50	68	0	0	12	0	80	390	\$21,376		

C-R-S	FRA-WYNNE RIDGE COURT	PROPOSAL LABOR SUMMARY										Version: Sept 2021		
<b>Consultant:</b>	American Structurepoint													
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<b>Modification No.</b>														
<b>PID No.</b>	116417													
<b>Proposal Date</b>	10/10/2022													
		<b>No. of Units</b>	<b>Project Manager</b>	<b>Senior Engineer</b>	<b>Project Engineer</b>	<b>Staff Engineer</b>	<b>Registered Land Surveyor</b>	<b>Survey Crew</b>	<b>Senior Environmental Specialist</b>	<b>Staff Scientist/Surveyor</b>	<b>Senior Technician</b>	<b>Total</b>		
<b>Task Description</b>			\$71.00	\$65.00	\$52.00	\$37.00	\$63.00	\$70.00	\$60.00	\$30.00	\$45.00	<b>Hours</b>	<b>Cost</b>	
<b>GRAND TOTAL</b>			106	567	340	431	35	50	47	142	226	1944	\$100,963	

C-R-S		FRA-WYNNE RIDGE COURT		DIRECT COSTS							Version: Sept 2021		
<b>Consultant:</b>		American Structurepoint											
<b>Agreement No.</b>		0											
<b>Modification No.</b>		0											
<b>PID No.</b>		116417											
<b>Proposal Date</b>		10/10/2022											
				Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
<b>Task Description</b>		Unit Cost:		\$0.63	\$8.25	\$400.00							
<b>AUTHORIZED TASKS:</b>													
<b>1 - Planning Phase</b>													
				Units	Units	Units	Units	Units	Units	Units	Units	Units	\$
<b>1.3 - Existing Data, Research and Analysis</b>													
1.3.1 - Asbestos Survey				\$250.00	\$99.00								\$349.00
<b>TOTAL 1.3 - Existing Data, Research and Analysis</b>													
<b>TOTAL 1 - Planning Phase</b>													
<b>2 - Preliminary Engineering Phase</b>													
<b>2.2 - Perform Environmental Field Studies</b>													
2.2.A - Property Owner Notification													
<b>TOTAL 2.2 - Perform Environmental Field Studies</b>													
<b>2.3 - AER Design</b>													
2.3.A - Field Survey and Aerial Mapping													
2.3.A.A - Project Control, Benchmarks, and Reference Points													
2.3.A.A.2 - Type "B" Monument Specified													
2.3.A.B - Monumentation recovery													
2.3.A.C - Base Mapping (incl. field verify.)													
2.3.A.C.2 - R/W Project													
2.3.A.D - Drainage Survey (stream cross sections)													
2.3.A.E - Bridge Survey													
2.3.A.G - Property Owner Notification													
2.3.B - Roadway													
2.3.B.A - Design Criteria													
<b>TOTAL 2.3 - AER Design</b>													
<b>2.4 - Prepare Cost Estimates</b>													
2.4.A - Roadway/Interchange Costs													
<b>TOTAL 2.4 - Prepare Cost Estimates</b>													

C-R-S		FRA-WYNNE RIDGE COURT		DIRECT COSTS							Version: Sept 2021		
<b>Consultant:</b>		American Structurepoint											
<b>Agreement No.</b>		0											
<b>Modification No.</b>		0											
<b>PID No.</b>		116417											
<b>Proposal Date</b>		10/10/2022											
				Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
<b>Task Description</b>		Unit Cost:		\$0.63	\$8.25	\$400.00							
<b>2.5 - AER Submittal and Other Studies</b>													
2.5.D - Structures													
2.5.D.A - Bridge Structure Type Study (break out each bridge separately)													
2.5.D.B – Perform Bridge Hydrology Analysis													
2.5.D.C – Perform bridge hydraulic study and scour analysis													
<b>TOTAL 2.5 - AER Submittal and Other Studies</b>													
<b>2.6 - Public Involvement/Coordination</b>													
2.6.A - Public Involvement / Coordination													
<b>TOTAL 2.6 - Public Involvement/Coordination</b>													
<b>2.7 - Stage 1 Design</b>													
2.7.A - Roadway													
2.7.A.A - Title Sheet													
2.7.A.B - Schematic Plan													
2.7.A.C - General Notes													
2.7.A.D - Typical Sections													
2.7.A.E - Cross Sections													
2.7.A.F - Plan and Profile - Mainline													
2.7.A.L - Driveway Details													
2.7.B - Drainage													
2.7.B.A - Storm Sewer Profiles													
2.7.C - Utilities													
2.7.C.A - Utility Coordination and Documentation													
2.7.C.B - Description or proposed water and/or sewer work													
2.7.D - Geotechnical Services													
2.7.D.A - Geotechnical Services and Report													
2.7.F - Structures - Design Report													
2.7.F.B - Final Structure Site Plan													
2.7.H - Prepare C2 Cost Estimates and Update Milestones													
2.7.H.A - Roadway/Interchange Costs													
2.7.I - Lighting Plans													
2.7.J - Maintenance of Traffic													
2.7.J.D - MOT Coordination Discussions													
<b>TOTAL - 2.7 - Stage 1 Design</b>													



C-R-S		FRA-WYNNE RIDGE COURT		DIRECT COSTS							Version: Sept 2021		
<b>Consultant:</b>		American Structurepoint											
<b>Agreement No.</b>		0											
<b>Modification No.</b>		0											
<b>PID No.</b>		116417											
<b>Proposal Date</b>		10/10/2022											
				Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
<b>Task Description</b>		Unit Cost:		\$0.63	\$8.25	\$400.00							
<b>2.8 - Project Management for Preliminary Engineering Phase</b>													
2.8.A - Meetings													
2.8.B - General Oversight													
2.8.C - Project Set Up													
<b>TOTAL 2.8 - Project Management for Preliminary Engineering Phase</b>													
<b>Total - 2 Preliminary Engineering Phase</b>													
<b>3 - Environmental Engineering Phase</b>													
3.1.M - Waterway Permit													
3.1.M.B - Prepare Waterway Permit Applications													
<b>TOTAL 3.1 - Environmental Field Studies and Refined Impacts</b>													
<b>3.3 - Stage2</b>													
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.H - Cross Sections													
3.3.B - Drainage													
3.3.B.A - Storm Sewer Profiles													
3.3.B.D - Underdrain details													
3.3.E - Maintenance of Traffic													
3.3.E.A - MOT General Notes													
3.3.E.E - MOT Typical Sections													
3.3.E.F - MOT Plan Sheets													
3.3.E.H - New Temporary Signal													
3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection													

<b>C-R-S</b>		<b>FRA-WYNNE RIDGE COURT</b>		<b>DIRECT COSTS</b>							Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint											
<b>Agreement No.</b>	0											
<b>Modification No.</b>	0											
<b>PID No.</b>	116417											
<b>Proposal Date</b>	10/10/2022											
		Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total	
<b>Task Description</b>	Unit Cost:	\$0.63	\$8.25	\$400.00								
3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source												
3.3.F - Lighting Plan												
3.3.F.C - Lighting Plan and Details												
3.3.I - Bridge Plans (break out for each bridge separately)												
3.3.I.A Bridge Plans												
3.3.J - Utilities												
3.3.J.A - Utility Coordination and Documentation												
3.3.J.B - Water Works Plan												
3.3.J.C - Water Works Details & Notes												
<b>TOTAL 3.3 - Stage2</b>												
<b>3.4 - Right of Way Plans</b>												
3.4.B - Preliminary Right of Way Plans												
3.4.B.A - Legend Sheet												
3.4.B.B - Centerline Survey Plat												
3.4.B.C - Property Map												
3.4.B.D - Summary of Additional Right of Way												
3.4.B.E - Detailed ROW Plan Sheets												
3.4.B.G - Legal Descriptions and Closure Calculations												
3.4.B.I - Field Review												
3.4.C - Final Right of Way Plans												
3.4.C.A - Final Right of Way Plans												
3.4.C.B - Field Review & Verify Property Owners												
3.4.C.C - Record Centerline Plat and all appropriate documents												
3.4.C.D - Set R/W Pins after acquisition												
<b>TOTAL 3.4 - Right of Way Plans</b>												
<b>3.8 - Prepare Cost Estimates and Revise Milestone</b>												
3.8.A - Roadway/Interchange Costs												
3.8.B - Structures Costs												
3.8.C - Utility Costs												
<b>TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone</b>												
<b>3.9 - Project Management for Environmental Engineering Phase</b>												
3.9.A - Meetings												
3.9.B - General Oversight												

C-R-S		FRA-WYNNE RIDGE COURT		DIRECT COSTS							Version: Sept 2021		
<b>Consultant:</b>		American Structurepoint											
<b>Agreement No.</b>		0											
<b>Modification No.</b>		0											
<b>PID No.</b>		116417											
<b>Proposal Date</b>		10/10/2022											
				Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total
<b>Task Description</b>	Unit Cost:	\$0.63	\$8.25	\$400.00									
<b>TOTAL 3.9 - Project Management for Environmental Engineering Phase</b>													
<b>Total - 3 Environmental Engineering Phase</b>													
<b>4 - Final Engineering and R/W Phase</b>													
<b>4.1 - Right of Way Acquisition</b>													
4.1.A - Right of Way Acquisition													
<b>TOTAL 4.1 - Right of Way Acquisition</b>													
<b>4.2 - Stage 3 Detailed Design Plans</b>													
4.2.A - Quantities and Notes													
4.2.A.A - Pavement Subsummary													
4.2.A.C - Roadway Subsummary													
4.2.A.E - Maintenance of Traffic Subsummary													
4.2.A.K - Lighting Subsummary													
4.2.A.M - General Summary Sheet													
4.2.A.N - Bridge Estimated Quantities Sheet													
4.2.A.O - Reinforcing Steel Schedule													
4.2.A.S - Bridge General Notes													
4.2.D - Miscellaneous													
4.2.D.G - Title Sheet													
<b>TOTAL 4.2 - Stage 3 Detailed Design Plans</b>													
<b>4.3 - Prepare Cost Estimates and Revise Milestone</b>													
4.3.A - Roadway/Interchange Costs													
<b>TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone</b>													
<b>4.4 - Final Plan Package</b>													
4.4.A - Submission of Final Tracings and Documentation													
<b>4.4 - Final Plan Package</b>													
<b>TOTAL - Final Engineering Phase</b>													

<b>C-R-S</b>		<b>FRA-WYNNE RIDGE COURT</b>		<b>DIRECT COSTS</b>							Version: Sept 2021	
<b>Consultant:</b>	American Structurepoint											
<b>Agreement No.</b>	0											
<b>Modification No.</b>	0											
<b>PID No.</b>	116417											
<b>Proposal Date</b>	10/10/2022											
		Travel	Laboratory analysis	FEMA FIS	Direct Cost 4	Direct Cost 5	Direct Cost 6	Direct Cost 7	Direct Cost 8	Direct Cost 9	Total	
<b>Task Description</b>	Unit Cost:	\$0.63	\$8.25	\$400.00								
<b>IF-AUTHORIZED TASKS:</b>												
<b>TOTAL 1- If-Authorized Planning Phase</b>												
2.6.A - Public Involvement / Coordination												
2.7.E - Retaining Wall Plans												
<b>TOTAL 1- If-Authorized Preliminary Engineering Phase</b>												
3.3.I.A Bridge Plans												
3.3.I.B Structure Rating												
<b>TOTAL- If-Authorized Environmental Engineering Phase</b>												
<b>4.1 - Right of Way Acquisition</b>												
4.1.A - Right of Way Acquisition												
4.6.A - Pre-Bid Questions												
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>												
5.1.A - On-going Services During Construction												
<b>TOTAL- If-Authorized Final Engineering and R/W Phase</b>												

# PRELIMINARY SCHEDULE




# SURVEY LIMITS

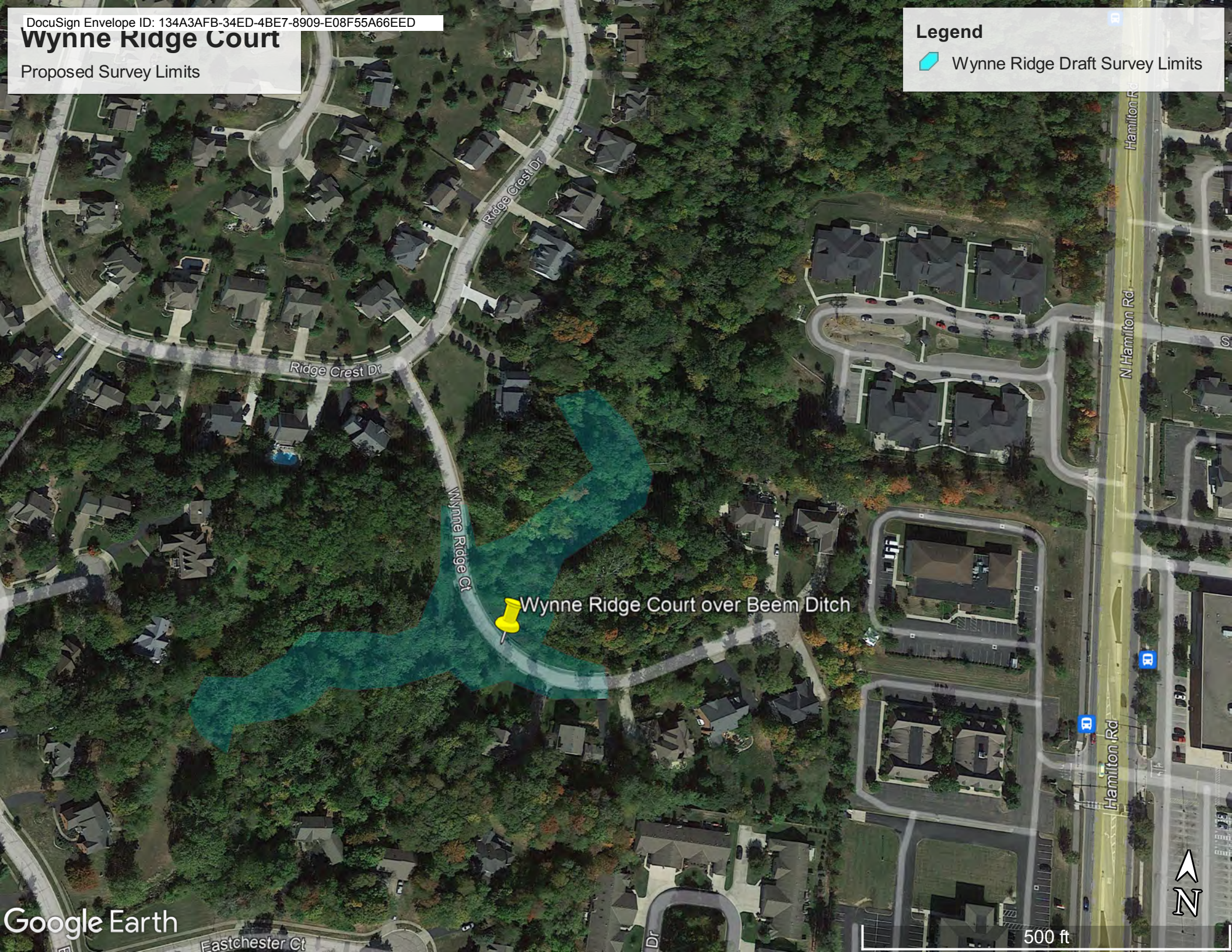


# Wynne Ridge Court

Proposed Survey Limits

**Legend**

-  Wynne Ridge Draft Survey Limits



Wynne Ridge Court over Beem Ditch





# S&ME FEE PROPOSAL – GEOTECHNICAL SERVICES



September 30, 2022

American Structurepoint, Inc.  
2550 Corporate Exchange Drive, Suite 300  
Columbus, OH 43231

Attention: Joseph Schmitz, P.E.

Reference: **Structure Foundation Exploration – Proposal**  
**Wynne Ridge Court Culvert Replacement**  
Gahanna, Ohio  
S&ME Proposal No. 22170189

Mr. Schmitz:

S&ME, Inc. (S&ME) is pleased provide American Structurepoint, Inc. (ASI) with this proposal for performing a Structure Foundation Exploration for the planned Wynne Ridge Court culvert replacement project in Franklin County, Ohio. This proposal describes our understanding of the project and the requested geotechnical services, outlines our approach, and presents a schedule and proposed fees for these services.

## ◆ Project Description

Based on the information for this project provided by you, S&ME understands that the existing 28-foot Conspan structure carrying Wynne Ridge Court over McKenna Creek is to be replaced with either a new culvert or bridge. The structure will be replaced using staged construction, as at least one lane of traffic must be maintained. We have been requested by ASI to perform this Structure Foundation Exploration in general accordance with the current (July 2022) ODOT *Specifications for Geotechnical Explorations (SGE)*.

## ◆ Geology of the Site

This site lies in a glaciated portion of Ohio where low, ground moraines from the Wisconsin glacial advance are typically encountered. USGS mapping indicates glacially deposited kames and eskers are known to exist in the vicinity of this site. The site is near the Berea Escarpment between the Columbus Lowland and Galion Glaciated Low Plateau physiographic regions. The uppermost bedrock in the vicinity of this site consists of the lower Bedford and upper Ohio formation shale. The results of previous explorations at this site indicate that reddish-brown shale is present near the flowline of McKenna Creek. No known underground mines are mapped beneath this site by ODNR, and karst bedrock is not anticipated in this portion of the state.

## ◆ Scope of Services

### Base Structure Foundation Exploration

S&ME previously performed two borings at this site in 1995; however, these borings do not meet the requirements of the current ODOT *SGE*. Therefore, S&ME proposes to perform two (2) structure borings for the current Structure Foundation Exploration which are in accordance with the ODOT *SGE* for a single-span bridge.



## Structure Foundation Exploration – Proposal Wynne Ridge Court Culvert Replacement

Gahanna, Ohio

S&ME Proposal No. 22170189

These borings will be located as near as safely practical to the proposed abutments, and will extend into and obtain rock cores from the underlying bedrock.

### *Field Work*

S&ME proposes to perform two (2) structure borings within the existing pavement of Wynne Ridge Court, with one on each side of the existing structure and positioned as near as practical to the proposed abutments. These borings will be advanced through the existing approach embankments and behind the existing culvert foundations. Based on information from ASI, S&ME personnel will mark the proposed boring locations in the field and obtain the approximate locations of the explorations using a hand-held sub-meter GPS unit. The ground surface elevation at the boring locations will be estimated using topographic mapping information provided by your office, or using readily available Franklin County GIS, Google Earth®, and/or USGS mapping.

Once the boring locations are marked in the field and at least 48 hours prior to commencing drilling operations, S&ME will contact Ohio 811. S&ME also requests that ASI and the City of Gahanna advise us of the locations of known or suspected underground features or utilities which could affect our services. S&ME will, if necessary, apply for a permit from the City of Gahanna to perform this work within the limits of the right-of-way; however, this proposal has assumed there will be no fees associated with obtaining any required right-of-way occupancy permit(s), and that the permit(s) will not restrict daylight working hours.

Considering shale bedrock is anticipated at the approximate flowline, S&ME anticipates performing disturbed soil sampling at either 2½-foot or 5-foot intervals to the underlying bedrock, with either 10 or 15 feet of rock core being attempted. If, however, soil is encountered at the streambed elevation, SPT samples will be attempted continuously for a depth of 6 feet below the existing streambed level. For budgetary purposes, S&ME has considered that coreable bedrock will be encountered within 20 feet of the existing roadway surface at each boring location. No relatively undisturbed Shelby tube soil sampling is planned. Upon completion of each boring, a water level measurement will be obtained, the boring will be backfilled or sealed in accordance with ODOT specifications, and the existing pavement surface will be repaired with an equivalent thickness of cold patch asphalt.

S&ME will arrange to have the borings to be drilled and will provide personnel to perform the following duties: 1) recommend drilling and sampling procedures depending on the conditions being encountered; 2) visually identify recovered samples and prepare a log of each boring; 3) preserve soil samples in airtight glass jars for transportation to our laboratory; 4) make seepage and groundwater observations; 5) make hand-penetrometer measurements in samples exhibiting cohesion; and, 6) provide liaison between the field work and the Soils Engineer so that the exploratory program can be modified in the event that unusual or unexpected conditions are encountered. Recovered soil samples will be transported to our laboratory for further identification and testing.

### *Drill Crew Safety/Traffic Control*

Although the traffic is anticipated to be minimal, the site is on both a horizontal and sag curve. As such, S&ME has included provisions to provide signs, cones, and flaggers in accordance with TA-10 of the OMUTCD.



## Structure Foundation Exploration – Proposal Wynne Ridge Court Culvert Replacement

Gahanna, Ohio  
S&ME Proposal No. 22170189

### *Laboratory*

In the laboratory, a testing program will be assigned and supervised by a registered Professional Engineer and will include moisture content tests on all recovered samples, as required by ODOT. Basic soil classification tests (Atterberg Limits, grain size analyses) will also be performed on selected representative samples retrieved from the borings. The results of these tests will provide information for accurate identification of the soils and for an approximation of their strength and consolidation characteristics by comparison to existing data. Unconfined compressive strength and slake durability testing is planned for select recovered rock core samples.

### *Report*

Field information and the results of the laboratory testing program will provide the basis for analyses and recommendations which will be submitted in an engineering report. The engineering report will address the following items:

- Descriptions of the site, the field work, and proposed project.
- A summary of the subsurface conditions encountered at the boring locations.
- Results of soil classification and gradation tests performed in the scour zone, along with the critical shear stress, for use by others during scour computations.
- LRFD foundation recommendations for either spread foundations on rock or drilled shaft foundations used to support the anticipated axial loads from the new bridge.
- Estimated seismic site classification based on available data from the structure borings.
- A discussion of groundwater conditions encountered in the borings.
- Lateral earth pressure recommendations for abutment design.
- An Appendix including logs of the borings, laboratory test results, photos of recovered rock cores, completed OGE checklists for the appropriate design items, and any supporting calculations; and,
- Geotechnical Profile – Structure sheets (submitted separately from the text report).

In accordance with the current ODOT SGE, S&ME will initially submit a “draft” version of this report for review. Following the receipt of all review comments on our “draft” report, S&ME will submit a “final” Structure Foundation Exploration report. Once we have been provided with plan and profile drawings of the approved structure, S&ME will prepare Geotechnical Profile – Structure plan sheets in accordance with ODOT SGE requirements. S&ME has considered that the plan and profile information necessary to prepare these report sheets will be provided to us in electronic file format by ASI.

### ◆ **Excluded Services**

This proposal does not include pre- or post-construction water management issues, retaining a licensed surveyor to record the exact boring locations, providing geotechnical recommendations for dewatering systems, or subgrade parameters for use during pavement design. The scope of work for this exploration has also anticipated there will be enough water in McKenna Creek for use during drilling operations and does not include any costs associated with hauling water to the site.

Because of the shallow depth to bedrock, S&ME has not included effort in the Base Structure Foundation Exploration for performing a lateral-load analyses for extended bridge foundations. S&ME has only included effort associated with providing axial support analyses and recommendations of one (1) type of foundation for the



## Structure Foundation Exploration – Proposal Wynne Ridge Court Culvert Replacement

Gahanna, Ohio

S&ME Proposal No. 22170189

proposed structure. Performing analyses for multiple structure types or alternative foundation systems (drilled shafts, etc.) is beyond the scope of the Base Structure Foundation Exploration. No costs associated with performing geotechnical review of Stage 2 and Final plan sheet sets have been included.

This exploration will be performed to provide geotechnical recommendations only. The scope of work does not address environmental issues that may be present on the site. If environmental issues are encountered during the field work, we will discuss how to proceed with the field work and any associated additional costs required to safely proceed.

Exploration equipment may unavoidably disturb, alter, or damage the vegetation and terrain at the site. S&ME will take reasonable precautions to limit possible damage but will accept no responsibility to restore the site to its original conditions or pay for damage unless specific arrangements and reimbursements are contractually agreed upon prior to initiation of our field work. S&ME will, however, repair the surface of the existing pavement with an equivalent thickness of cold-patch asphalt.

### ◆ Client Responsibilities

The Scope of Services, schedule, and fee presented herein are contingent upon the client fulfilling the following responsibilities:

- Advise S&ME of locations of all known or suspected underground utilities, structures, or conflicts at the site.
- Provide surveyed locations and ground surface elevations of the borings to S&ME shortly following the completion of the drilling program.
- Provide all necessary plan, profile, and topographic information needed by S&ME for preparation of the Geotechnical Profile – Structure sheets.
- If required, obtain permission from any affected private property owners and tenants for S&ME to work on or cross private property outside the existing right-of-way, and provide S&ME with copies of any property owner notification letters prior to our commencing the drilling program.

### ◆ Project and Task Schedule (“Base” Exploration)

S&ME will commence with the planning, permitting, and utility clearance for the Structure Foundation Exploration upon receiving formal notice to proceed and all necessary plan and profile information. Provided the preliminary plan information (e.g., new abutment locations) needed to select boring locations is available at the time authorization to proceed is received, and based on receiving any required right-of-way occupancy permit(s) within approximately 2 weeks, an estimated timeline for this exploration is presented as follows:

Weeks 1-2	- Select and field mark boring locations, and file for a permit, if necessary, and begin coordination of the field work schedule with Gahanna and ASI
Weeks 3-4	- Schedule drilling crew and traffic control subcontractor after receiving Gahanna permit/arrange for utility clearance
Week 5	- Perform field work (1 rig-day of drilling anticipated for “Base” Exploration)
Weeks 5-7	- Complete laboratory testing/submit scour testing results (critical shear)
Weeks 6-9	- Data Reduction/Analyses/Recommendations/“Draft” Report Preparation



Preparation of the draft Geotechnical Profile – Structure plan sheets will be performed following the receipt of all necessary electronic basemap files from ASI. An estimated 2 weeks will be required to prepare the Structure Foundation plan sheets after receipt of all necessary electronic files. Our final report and plan sheets will be submitted after receiving all review comments on our “Draft” submissions.

## ◆ **“If-Authorized” Additional Geotechnical Services**

### **Phase 1 Temporary Shoring**

ASI has requested that S&ME provide design assistance for temporary shoring of the existing embankment during the first phase of MoT for the part-width construction of this replacement structure necessary to maintain access to the residences. Based on the currently available information, potential temporary support structures may consist of a soldier pile and lagging wall or a drilled shaft, either with or without tiebacks, or a geosynthetically or mechanically-supported retaining wall. S&ME will design a temporary retaining wall and provide applicable details for inclusion into the project plans being prepared by ASI. This scope is based on the current plan and may need to be revised based on the selected structure type.

### **Phase 2 Temporary Shoring**

ASI has also requested that S&ME provide design assistance related to temporary shoring which may be needed during Phase 2 of this project to support the embankment and structure backfill constructed during Phase 1. The type of shoring or temporary will depend on the configuration and type of structure selected, but may consist of a temporary wire faced wall, a soldier-pile and lagging wall or drilled shaft wall, or potentially an earthwork solution along the phase line. In addition to performing the design we will provide applicable details for inclusion into the project plans being prepared by ASI.

S&ME has included estimates of additional costs for both phases of “If-Authorized” Additional Geotechnical Services in the ODOT cost spreadsheet at the rear of this submission. If these additional services are authorized, S&ME will provide the recommended shoring design information as an addendum to our Structure Foundation Exploration report.

## ◆ **Fees**

S&ME proposes to perform the Scopes of Work outlined in this document for the following Total Cost-Plus-Net Fees:

<b>“Base” Structure Foundation Exploration (2 Abutment Borings)</b>	<b>= \$ 19,968</b>
<b><u>“If-Authorized” Tasks</u></b>	
<b>Phase 1 Temporary Shoring</b>	<b>= \$ 14,944</b>
<b>Phase 2 Temporary Shoring</b>	<b>= \$ 14,944</b>

Invoices will be submitted monthly and will be payable within 30 days of receipt. The fees quoted in this proposal are valid for a period of 3 months after the submittal date. After that time, S&ME reserves the right to modify our schedule and fees as necessary.





**Structure Foundation Exploration – Proposal  
Wynne Ridge Court Culvert Replacement**

Gahanna, Ohio

S&ME Proposal No. 22170189

Unexpected conditions encountered during the exploration program may suggest the need for additional work. We will not, however, undertake any such work or exceed the authorized total fees without first contacting ASI and discussing the conditions being encountered, submitting an estimate of additional costs, and then receiving formal authorization from your office.

### ◆ Use of Proposal/Report

S&ME intends to provide the Scope of Services described in this document. The Scope of Services may not be modified or amended, unless the changes are first agreed to in writing by ASI and S&ME. Use of this proposal and corresponding final report is limited to the above-referenced project and ASI. No other use is authorized by S&ME.

### ◆ Authorization

If this document meets with your approval, please provide checkmarks on the following page indicating which services are desired, please provide us with a Task Order to the previously executed Standard Form of Agreement Between Engineer and Geotechnical Engineer for On-Call Professional Services dated April 4, 2022, referencing or including this proposal, and including the ASI Prime Agreement, for our review and execution. We will then proceed with the performance of these services upon having a fully executed agreement.

### ◆ Closing

S&ME, Inc. appreciates the opportunity to submit this proposal and we look forward to working with you on this project. If you have any questions concerning this proposal, or if additional information is required, please do not hesitate to contact us.

Respectfully,

#### **S&ME, Inc.**

A handwritten signature in purple ink that reads "Nathan D. Abele".

Nathan D. Abele, P.E.  
Project Engineer

A handwritten signature in blue ink that reads "Richard S. Weigand".

Richard S. Weigand, P.E.  
Principal Engineer/Senior Reviewer

Attachments: ODOT Geotechnical Cost Spreadsheet (6 sheets)

Submitted: Email Copy (jschmitz@structurepoint.com)



**Structure Foundation Exploration - Proposal**  
**Wynne Ridge Court Culvert Replacement**  
Gahanna, Ohio  
S&ME Proposal No. 22170189

**Structure Foundation Exploration - Proposal**  
**Wynne Ridge Court Culvert Replacement**  
**Gahanna, Ohio**

\_\_\_\_\_ **"Base" Structure Foundation Exploration (2 Abutment Borings)** = \$ **19,968**

**"If-Authorized" Tasks**

\_\_\_\_\_ **Phase 1 Temporary Shoring** = \$ **14,944**

\_\_\_\_\_ **Phase 2 Temporary Shoring** = \$ **14,944**



**Structure Foundation Exploration - Proposal  
Wynne Ridge Court Culvert Replacement**

Gahanna, Ohio

S&ME Proposal No. 22170189

**ODOT Geotechnical Cost Spreadsheet  
Structure Foundation Exploration**



**OHIO DEPARTMENT OF TRANSPORTATION**

**OFFICE OF GEOTECHNICAL ENGINEERING**

**PROPOSAL  
for the  
GEOTECHNICAL EXPLORATION**

**Wynne Ridge Court Culvert**

**Gahanna, Ohio**

**PROJECT DESCRIPTION: Replacement of Wynne Ridge Court Culvert. Type of structure not yet known. Single-span bridge is possible. Perform 2 bridge borings per ODOT SGE.**

***S&ME, Inc.***

Prepared By: **Nathan D. Abele, PE**

Date prepared: **September 30, 2022**

**S&ME, Inc.  
6190 Enterprise Court  
Dublin, OH 43016-3293**

**614-793-2226  
nabele@smeinc.com**

GEOTECHNICAL EXPLORATION PROPOSAL			COST SUMMARY						
C/R/S :	Wynne Ridge Court Culvert		Overhead Percentage =				196.57%		
PID NO.:	Gahanna, Ohio		ODOT Statewide Percentage for Net Fee =				157.25%		
CONSULTANT:	S&ME, Inc.		Net Fee Percentage =				11.00%		
DATE:	September 30, 2022		Cost of Money =				0.078%		
Task	Hourly Rate	Total Hours	Direct Labor Costs	Overhead Costs	Cost of Money	Other Direct Costs	Subcon. Costs	Net Fee	Total Cost
<b>RECONNAISSANCE AND PLANNING</b>									
Office Reconnaissance	\$48.58	12	\$583	\$1,146	\$0			\$165	\$1,894
Field Reconnaissance/Boring Layout	\$45.00	3	\$135	\$265	\$0			\$38	\$438
Exploration Plan	\$50.00	1	\$50	\$98	\$0	\$104	\$0	\$14	\$266
<b>Subtotal</b>	<b>\$48.00</b>	<b>16</b>	<b>\$768</b>	<b>\$1,509</b>	<b>\$0</b>	<b>\$104</b>	<b>\$0</b>	<b>\$217</b>	<b>\$2,598</b>
	Avg. Rate								
<b>FIELD COORDINATION</b>									
Field Coordination	\$39.40	15	\$591	\$1,162	\$0	\$29		\$167	\$1,949
Logging (if drilling is subcontracted)	\$0.00	0	\$0	\$0	\$0	\$0		\$0	\$0
<b>Subtotal</b>	<b>\$39.40</b>	<b>15</b>	<b>\$591</b>	<b>\$1,162</b>	<b>\$0</b>	<b>\$29</b>		<b>\$167</b>	<b>\$1,949</b>
	Avg. Rate								
<b>FIELD EXPLORATION</b>									
<b>Subtotal</b>							<b>\$0</b>		<b>\$5,204</b>
<b>LABORATORY TESTING</b>									
<b>Subtotal</b>							<b>\$0</b>		<b>\$2,841</b>
<b>GEOTECHNICAL EXPLORATION REPORT</b>									
Subgrade and Roadway	\$0.00	0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Bridge	\$40.54	56	\$2,270	\$4,462	\$2		\$0	\$642	\$7,376
Other (Describe)	\$0.00	0	\$0	\$0	\$0		\$0	\$0	\$0
Other (Describe)	\$0.00	0	\$0	\$0	\$0		\$0	\$0	\$0
If-Authorized Phase 1 Temporary Shoring	\$44.65	103	\$4,599	\$9,040	\$4		\$0	\$1,301	\$14,944
If-Authorized Phase 2 Temporary Shoring	\$44.65	103	\$4,599	\$9,040	\$4		\$0	\$1,301	\$14,944
<b>Subtotal</b>	<b>\$43.77</b>	<b>262</b>	<b>\$11,468</b>	<b>\$22,542</b>	<b>\$10</b>	<b>\$0</b>	<b>\$0</b>	<b>\$3,244</b>	<b>\$37,264</b>
	Avg. Rate								
<b>GRAND TOTAL ALL PARTS</b>									
<b>Total</b>	<b>\$43.78</b>	<b>293</b>	<b>\$12,827</b>	<b>\$25,213</b>	<b>\$10</b>	<b>\$133</b>	<b>\$0</b>	<b>\$3,628</b>	<b>\$49,856</b>
	Avg. Rate								

<b>GEOTECHNICAL EXPLORATION PROPOSAL</b>		<b>LABOR HOURS</b>									
C/R/S :	<b>Wynne Ridge Court Culvert</b>	<b>HOURLY RATES</b>									
PID NO.:	<b>Gahanna, Ohio</b>	<b>Personnel Category</b>			<b>Salary Rate</b>						
CONSULTANT:	<b>S&amp;ME, Inc.</b>	Manager, P.E.			\$68.00						
DATE:	<b>September 30, 2022</b>	Senior Engineer, P.E.			\$55.00						
		Project Engineer, P.E.			\$45.00						
		Staff Engineer			\$35.00						
		CADD Technician			\$34.00						
		Technician			\$25.00						
		Geologist			\$38.00						
		Secretary			\$21.00						
<b>HOURS BY PERSONNEL CATEGORY</b>											
<b>Task</b>	<b>Manager</b>	<b>Senior Engineer</b>	<b>Project Engineer</b>	<b>Staff Engineer</b>	<b>CADD Technician</b>	<b>Technician</b>	<b>Geologist</b>	<b>Secretary</b>	<b>Total Hours</b>	<b>Labor Costs</b>	
<b>RECONNAISSANCE AND PLANNING</b>											
Office Reconnaissance	1	4	5	2	0	0	0	0	12	\$583	
Field Reconnaissance/Boring Layout	0	0	3	0	0	0	0	0	3	\$135	
Exploration Plan	0	0.5	0.5	0	0	0	0	0	1	\$50	
<b>Subtotal</b>	<b>1</b>	<b>4.5</b>	<b>8.5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>\$768</b>	
<b>FIELD COORDINATION</b>											
Field Coordination	0	2	4	8	0	0	0	1	15	\$591	
Logging (if drilling is subcontracted)	0	0	0	0	0	0	0	0	0	\$0	
<b>Subtotal</b>	<b>0</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>15</b>	<b>\$591</b>	
<b>GEOTECHNICAL EXPLORATION REPORT</b>											
Subgrade and Roadway	0	0	0	0	0	0	0	0	0	\$0	
Bridge	1	6	20	12	15	0	0	2	56	\$2,270	
Other (Describe)	0	0	0	0	0	0	0	0	0	\$0	
Other (Describe)	0	0	0	0	0	0	0	0	0	\$0	
If-Authorized Phase 1 Temporary Shoring	8	16	45	20	12	0	0	2	103	\$4,599	
If-Authorized Phase 2 Temporary Shoring	8	16	45	20	12	0	0	2	103	\$4,599	
<b>Subtotal</b>	<b>17</b>	<b>38</b>	<b>110</b>	<b>52</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>262</b>	<b>\$11,468</b>	
<b>LABOR TOTAL ALL PARTS</b>	<b>Total</b>	<b>18</b>	<b>44.5</b>	<b>122.5</b>	<b>62</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>293</b>	<b>\$12,827</b>

GEOTECHNICAL EXPLORATION PROPOSAL		FIELD EXPLORATION			
C/R/S :	Wynne Ridge Court Culvert				
PID NO.:	Gahanna, Ohio				
CONSULTANT:	S&ME, Inc.				
DATE:	September 30, 2022				
Task	Quantity	Unit	Unit Cost	Cost	Task Description
<b>Mobilization/Demobilization</b>	1	lump	\$950.00	\$950	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.
<b>Subtotal</b>				<b>\$950</b>	
<b>Traffic Maintenance</b>					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	1 days	\$1,250.00	\$1,250	
Typical Application No.		days		\$0	
Railroad Traffic Control		days		\$0	
<b>Subtotal</b>				<b>\$1,250</b>	
<b>Subsurface Exploration</b>					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.
<b>Hand Sampling</b>					Includes all equipment and personnel to excavate, sample, log and backfill each hand sampling method
Method Description		feet		\$0	
Method Description		feet		\$0	
<b>Test Pits</b>		each		\$0	Includes all equipment and personnel to excavate, sample, log and backfill test pit
<b>Pavement/Bridge Deck Coring</b>					Includes all equipment, personnel, and material to core and patch pavement/bridge deck and either handle or dispose of core.
Core Diameter		in.			
Core Diameter		each		\$0	
Core Diameter		in.			
Core Diameter		each		\$0	
<b>Truck/ATV/Trailer Mounted Rotary Drilling</b>					Includes all methods of rotary drilling on land, except skid rig
Number of Drill Rig Days	1	days			
Total Soil Footage (ft)	50	50 ft/day			
Total Rock Footage (ft)	25	25 ft/day			
No Sampling		feet	\$11.00	\$0	
5-ft SPT	34	feet	\$16.00	\$544	
2.5-ft SPT	4	feet	\$24.50	\$98	
Continuous SPT	12	feet	\$31.00	\$372	
Undisturbed Samples		each		\$0	
Rock Coring	25	feet	\$60.00	\$1,500	Includes press, preservation, transport, and extraction, minimum 50% recovery
Permanent Borehole Sealing	70	feet	\$7.00	\$490	
<b>Skid Drilling</b>					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	
<b>Barge Drilling</b>					Includes all costs associated with barge drilling access (permits, spuds, safety equipment, boats, tugs, etc.)
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	Includes press, preservation, transport, and extraction, minimum 50% recovery
Rock Coring		feet		\$0	
Permanent Borehole Sealing		feet		\$0	
Barge		days		\$0	
<b>Other Exploratory Methods</b>					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	
<b>In-situ Testing</b>					Includes all mobilization/demobilization, equipment, material, labor, travel, per diem, calibration, and data reduction
Test:		days		\$0	
Test:		days		\$0	
<b>Installation/Reading of Geotechnical Instruments</b>					Excludes cost of drilling - present above. Includes all material and labor for installation
Open Standpipe Piezometer		feet		\$0	
Monitoring Well		feet		\$0	
Inclinometer		feet		\$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
<b>Subtotal</b>				<b>\$3,004</b>	
<b>Direct Costs</b>					
Drill Crew Meals and Lodging		man-night		\$0	
Other (describe)				\$0	
<b>Subtotal</b>				<b>\$0</b>	
<b>FIELD EXPLORATION TOTAL ALL PARTS</b>			<b>Total</b>	<b>\$5,204</b>	



GEOTECHNICAL EXPLORATION PROPOSAL		LABORATORY TESTING					
C/R/S : Wynne Ridge Court Culvert							
PID NO.: Gahanna, Ohio							
CONSULTANT: S&ME, Inc.							
DATE: September 30, 2022							
Test	Test Method		Quantity	Unit	Unit Cost	Cost	Remarks
	AASHTO	ASTM					
<b>Soil Testing</b>							
Complete Classification	Multiple	Multiple	6	each	\$199	\$1,194	Includes Visual Description per SGE Section 602, T265, T88, T89, T90
Water Content Test and Visual Description	T265	D2216	10	each	\$16	\$155	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	2	each	\$113	\$226	As modified per SGE Section 603.3
Liquid Limit Test	T89	D4318	2	each	\$44	\$88	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	2	each	\$60	\$120	
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
<b>Subtotal</b>						<b>\$1,783</b>	
<b>Rock Testing</b>							
Unconfined Compressive Strength of Intact Rock Core Specimen	NA	D7012, Method C	3	each	\$110	\$330	
Slake Durability of Shales and Similar Weak Rocks	NA	D4644	3	each	\$243	\$728	
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
<b>Subtotal</b>						<b>\$1,058</b>	
<b>LABORATORY TESTING TOTAL ALL PARTS</b>					<b>Total</b>	<b>\$2,841</b>	

**GEOTECHNICAL EXPLORATION PROPOSAL****DIRECT COSTS**C/R/S : **Wynne Ridge Court Culvert**PID NO.: **Gahanna, Ohio**CONSULTANT: **S&ME, Inc.**DATE: **September 30, 2022**

Task	Quantity	Unit	Unit Cost	Cost
<b>RECONNAISSANCE AND PLANNING</b>				
Mileage	50	mile	\$0.58	\$29.00
GPS	0.5	day	\$150.00	\$75.00
(describe)	0		\$0.00	\$0.00
<b>Subtotal</b>				<b>\$104.00</b>
<b>FIELD COORDINATION</b>				
<b>Field Coordination</b>				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	50	mile	\$0.58	\$29.00
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
<b>Subtotal</b>				<b>\$29.00</b>
<b>Logging (If drilling is subcontracted)</b>				
Meals and Lodging	0	day	\$0.00	\$0.00
Mileage	0	mile	\$0.58	\$0.00
Other (describe)	0		\$0.00	\$0.00
<b>Subtotal</b>				<b>\$0.00</b>
<b>Subtotal</b>				<b>\$29.00</b>
<b>GEOTECHNICAL EXPLORATION REPORT</b>				
(describe)	0		\$0.00	\$0.00
(describe)	0		\$0.00	\$0.00
<b>Subtotal</b>				<b>\$0.00</b>
<b>DIRECT COSTS TOTAL ALL PARTS</b>			<b>Total</b>	<b>\$133.00</b>

# OR COLAN FEE PROPOSAL – R/W ACQUISITION



September 26, 2022

Mr. Anthony J. Lenhart, PE  
Team Leader, Ohio Transportation  
American Structurepoint, Inc.  
2550 Corporate Exchange Dr, Ste. 300  
Columbus, OH 43231

RE: City of Gahanna – Wynne Ridge

Dear Mr. Lenhart:

O.R. Colan Associates (ORC) is pleased to submit the attached cost proposal for the above referenced project. The proposal is based on turnkey acquisition services for 3 parcels.

This proposal is based upon the preliminary information provided on September 22, 2022. ORC reserves the right to modify the proposal should parcel counts change, take types change, appraisal formats change, or should any parcel require additional services. It should be noted that this proposal does not include any appraisal review tasks. If the City needs to use an appraisal reviewer, a separate contract would be required directly with the reviewer. ORC also reserves the rights to use a subconsultant for any task at its sole discretion. This fee proposal will be valid for the calendar years 2022 and 2023.

O. R. Colan is ready to begin upon a notice to proceed. If you require any additional information or need clarification on any items, please do not hesitate to contact me on my cell at (843) 441-3151 or by email at [jgardner@orcolan.com](mailto:jgardner@orcolan.com).

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Jayson Gardner". The signature is stylized and fluid.

Jayson Gardner, PMP  
Project Manager

**RW ACQUISITION SERVICES COST PROPOSAL****Company Name:** O.R. Colan Associates, LLC**District:** 6**Date:** 9/26/2022**PID NO.:****Task No.:** 1**Project CRS:** City of Gahanna - Wynne Ridge

<b>Pay Item</b>	<b>Type of Unit</b>	<b>No. of Units</b>	<b>Fee Per Unit</b>	<b>Total Amount</b>
<b>1. Project Management - line items found in sections below</b>	parcel			
<b>2. Appraisal</b>				
a. RE 95 Preparation	parcel			\$0.00
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	3	\$700.00	\$2,100.00
f. Project Data Book	parcel			\$0.00
g. Project Management	parcel	3	\$250.00	\$750.00
<b>SECTION SUBTOTAL</b>				<b>\$2,850.00</b>
<b>3. Appraisal Review</b>				
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
<b>SECTION SUBTOTAL</b>				<b>\$0.00</b>
<b>4. Title Researches</b>				
a. Abbreviated Titles	parcel			\$0.00
b. Full Title (42 year)	parcel	3	\$800.00	\$2,400.00
c. Title Update	parcel			\$0.00
d. Project Management	parcel	3	\$250.00	\$750.00
<b>SECTION SUBTOTAL</b>				<b>\$3,150.00</b>

**SECTION TOTAL****\$6,000.00**

Table split for Federal Authorization for Right of Way Acquisition

<b>Pay Item</b>	<b>Type of Unit</b>	<b>No. of Units</b>	<b>Fee Per Unit</b>	<b>Total Amount</b>
<b>5. Negotiation</b>				
a. Negotiation (includes letters, packets, negotiations, billings, document preparation, plan revision coordination, etc.)	parcel	3	\$2,000.00	\$6,000.00
b. Bill of Sale Negotiation	Per BS Parcel			\$0.00
c. Negotiation Trainee	parcel			\$0.00
d. Project Management	parcel	3	\$250.00	\$750.00
<b>SECTION SUBTOTAL</b>				<b>\$6,750.00</b>
<b>6. Closings</b>				
a. Mail Out	parcel			\$0.00
b. Formal (includes forms RE 30, 31, 44, 45 & 57 and etc.)	parcel	3	\$700.00	\$2,100.00
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	parcel	3	\$250.00	\$750.00
<b>SECTION SUBTOTAL</b>				<b>\$2,850.00</b>
<b>7. Relocation Assistance Services</b>				
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
<b>SECTION SUBTOTAL</b>				<b>\$0.00</b>
<b>8 Relocation Review</b>				
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
<b>SECTION SUBTOTAL</b>				<b>\$0.00</b>

Pay Item	Type of Unit	No. of Units	Fee Per Unit	Total Amount
<b>9. Asbestos</b>				
a. Collection/Reporting	parcel			\$0.00
b. Testing	parcel			\$0.00
<b>SECTION SUBTOTAL</b>				<b>\$0.00</b>
<b>10. Miscellaneous</b>				
a. Red Books	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	3	\$100.00	\$300.00
f. R/W Cost Estimate (RE-101)	parcel			\$0.00
<b>SECTION SUBTOTAL</b>				<b>\$300.00</b>
<b>SECTION TOTAL</b>				<b>\$9,900.00</b>
<b>GRAND TOTAL</b>				<b>\$15,900.00</b>