

RESOLUTION NO 29, 2020

**A RESOLUTION AUTHORIZING THE CITY MANAGER TO ENTER INTO
A CONTRACT WITH STRAND ASSOCIATES, INC. FOR PROFESSIONAL
SERVICES RELATED TO ENGINEERING SERVICES FOR THE
PFEIFFER/DEERFIELD ROAD INTERSECTION MODIFICATION PROJECT**

WHEREAS, Section 9.03 of Article IX of the Charter of the City of Montgomery, Ohio, provides the method under which the City Manager shall make certain purchases and enter into contracts on behalf of the City; and

WHEREAS, it is appropriate to provide contract authority for professional services that are generally not subject to competitive bidding but will exceed a total of \$50,000 in a calendar year; and

WHEREAS, the Administration did request Letters of Interest from engineering firms which may be interested in assisting the City in designing and engineering public improvements as a part of the anticipated intersection improvements at Pfeiffer Road and Deerfield Road; and

WHEREAS, multiple firms submitted responses which were reviewed by an evaluation committee consisting of the City Manager, Director of Law and Public Works Director; and

WHEREAS, Strand Associates, Inc. did submit a Letter of Interest which was reviewed and recommended for approval by the evaluation committee; and

WHEREAS, it is the desire of the Council of the City of Montgomery to enter into a contract with Strand Associates, Inc. to perform Stage II design and engineering services for the City in conjunction with the Intersection Improvement Project at Pfeiffer Road and Deerfield Road.

NOW THEREFORE, BE IT RESOLVED by the Council of the City of Montgomery, Hamilton County, Ohio, that:

SECTION 1. The City Manager is hereby authorized to enter into a contract with Strand Associates, Inc. for professional services to be provided to the City of Montgomery for Stage II design and engineering services for the intersection improvements and related traffic improvements for the Pfeiffer/Deerfield Road Intersection Modification Project as outlined in Exhibit A attached.

SECTION 2. The City Manager is hereby authorized to pay Strand Associates, Inc. according to the rates set forth in said schedule within the anticipated project scope of \$165,031.00 for Stage II Design which includes all necessary subcontractors for surveying and engineering.

SECTION 3. The City Manager is additionally authorized to seek appropriate grant funding for these services.

SECTION 4. This Resolution shall be in full force and effect from and after its passage.

PASSED: September 2, 2020

ATTEST: Connie M. Gaylor
Connie M. Gaylor, Clerk of Council

Christopher P. Dobrozsi
Christopher P. Dobrozsi, Mayor

APPROVED AS TO FORM:

Terrence M. Donnellon
Terrence M. Donnellon, Law Director



Strand Associates, Inc.
615 Elsinore Place, Suite 320
Cincinnati, OH 45202
(P) 513-861-5600
(F) 513-861-5601

August 12, 2020

Gary Heitkamp, Public Works Director
City of Montgomery
10101 Montgomery Road
Montgomery, OH 45242

Sent via e-mail

Re: Pfeiffer Road and Deerfield Road Roundabout Project - Part 2
HAM-CR284-1.33, PID 107130

Dear Gary,

On behalf of Strand Associates, Inc.[®] (Strand), thank you for the opportunity to provide this Proposal to assist the City of Montgomery (City) with Engineering Services (Services) related to Part 2 of the Pfeiffer Road and Deerfield Road Roundabout Project (HAM-CR284-1.33, PID 107130). This Proposal describes the **Project Narrative, Schedule, and Compensation**.

Project Narrative

This project involves the construction of a modern single lane roundabout at the intersection of Pfeiffer Road (CR 284) and Deerfield Road. This Proposal is for Part 2 of the project which will continue design of the roundabout alternative chosen from the feasibility study and advanced through Stage 1 design in Part 1 of the project. Part 2 will entail Stage 2 Design through Final Engineering and Right of Way as well as Construction.

A narrative for each task in the Part 2 contract is provided in the enclosed Fee Proposal Spreadsheet. Following is additional information for some of the tasks included in the Part 2 contract.

Stage 2 Design

- The tasks under Stage 2 Design are included to provide the design and drawings required to meet the project objectives and scope.
- Key project parameters developed from Stage 1 Design that influenced the hours included in the Fee Proposal Spreadsheet include:
 - Project length is approximately 200 feet along each approach.
 - Project includes seven driveways.
 - The schedule for the Stage 2 is anticipated to be four months (September 2020 to January 2021).
 - We anticipate the Stage 2 drawing set will include approximately 37 sheets.
- Tasks under *Task 2.2E - Underserved Population Evaluation* will be performed by Crawford, Murphy & Tilly, Inc (CMT).
- Tasks under *Task 3.3.F - Lighting Plan* will be performed by CMT
- Tasks under *Task 3.4-Right of Way Plans* will be performed by G.J. Berding Surveying, Inc. (Berding).
- Tasks under *Task 3.5 - Prepare Environmental Document and Task 3.6 - Environmental Commitment Plan Notes* will be performed by CMT.

- The following Tasks will be If-Authorized. These tasks are detailed in CMT’s proposal:
 - Noise Analysis
 - Phase I Cultural Resource Survey
 - Regulated Materials Review Assessment

Final Engineering and R/W Phase

- Key project parameters that influenced the hours included in the Fee Proposal Spreadsheet include:
 - The schedule for the Stage Final Engineering is anticipated to be twelve months (January 2021 to January 2022).
 - We anticipate the Final Drawing set will include approximately 44 sheets.
- Tasks under *Task 4.1 - Right of Way Acquisition* will be performed by Heritage Land Services, Inc (HLS).
- Tasks under *Task 4.2.A.K - Lighting Subsummary, Task 4.2.A.R. - Lighting Notes, and Task 4.2.E.A - Lighting Details* will be performed by CMT.

Construction Phase

- Task includes 24 hours for on-going services during construction and assumes 3 hours per month for 8 months (two 4 month construction seasons).

Schedule

Services will begin upon execution of an Engineering Services Agreement, which is anticipated on or around September 1, 2020. At this point, we anticipate maintaining the schedule in ELLIS.

Compensation

The estimated fee was developed following Volume 4 of the ODOT Consultant Fee Estimation Guidance document.

A brief summary of tasks by consultant is as follows:

- Strand (Prime Consultant): Stage 2 and Final Design (roadway, roundabout, traffic control, maintenance of traffic)
- Berding: Right of way plans
- CMT: Environmental services and lighting design
- HLS: Right of way acquisition services

A breakdown of fees by consultant is shown in the following table.

Authorized Tasks

| Consultant | Stage 2 Design | Final Engineering and R/W Phase | Construction Phase | Total |
|--------------|-----------------|---------------------------------|--------------------|------------------|
| Strand | \$44,646 | \$24,339 | \$3,509 | \$72,494 |
| Berding | \$10,448 | \$0 | \$0 | \$10,448 |
| CMT | \$31,125 | \$6,964 | \$0 | \$38,089 |
| HLS | \$0 | \$44,000 | \$0 | \$44,000 |
| Total | \$86,219 | \$75,303 | \$3,509 | \$165,031 |

Gary Heitkamp
City of Montgomery
Page 3
August 12, 2020

If-Authorized Tasks

| Consultant | Stage 2 Design | Final Engineering and R/W Phase | Construction Phase | Total |
|------------|----------------|------------------------------------|-----------------------|----------|
| CMT | \$20,193 | \$0 | \$0 | \$20,193 |
| Total | \$20,193 | \$0 | \$0 | \$20,193 |

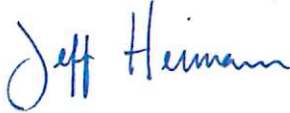
Enclosed with this letter are the following:

1. Fee Proposal Spreadsheet, including subconsultants.
2. Subconsultant proposals.
3. Strand's audited overhead rate.

Strand appreciates the opportunity to assist the City with this project. If you have any questions, please feel free to contact me at (513) 861-5600.

Sincerely,

STRAND ASSOCIATES, INC.®



Jeff Heimann, P.E.

Prime Consultant Proposal - Strand Associates, Inc.
Includes all subconsultant fees

| C-R-S | | PROPOSAL LABOR SUMMARY | | | | | | | | | | Version: Feb 2017 | |
|--|--|-------------------------|-----------|-----------------|-----------------|-------------------|-----------------------|----------|------------|----------|-------|----------------------|--|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | | |
| Task Description | | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | | |
| | | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | Hours | Cost | |
| AUTHORIZED TASKS: | | | | | | | | | | | | | |
| 2 - Preliminary Engineering Phase | | | | | | | | | | | | | |
| 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | | |
| 2.2.A - Property Owner Notification | | | | | | | | | | | | | |
| 2.2.B - Cultural Resources Scoping Request From | | | | | | | | | | | | | |
| 2.2.C - Ecological Survey Report | | | | | | | | | | | | | |
| 2.2.D - Environmental Site Assessment Screening | | | | | | | | | | | | | |
| 2.2.E - Social and Economic Resources | | | | | | | | | | | | | |
| 2.2.F - 4(f) determinations | | | | | | | | | | | | | |
| 2.2.G - Noise Analysis | | | | | | | | | | | | | |
| 2.2.H - Noise Analysis - Public Involvement | | | | | | | | | | | | | |
| 2.2.I - Phase I Cultural Resource History/Architecture Survey | | | | | | | | | | | | | |
| TOTAL 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | | |
| 0 0 0 0 0 0 0 0 0 0 0 \$0 | | | | | | | | | | | | | |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | | |
| 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | |
| 3.1.A - Phase I Cultural Archaeological | | | | | | | | | | | | | |
| 3.1.B - Phase II Cultural Resource History/Architecture Survey | | | | | | | | | | | | | |
| 3.1.C - Section 4 (f) Determination | | | | | | | | | | | | | |
| 3.1.D - Phase I Environmental Site Assessment | | | | | | | | | | | | | |
| 3.1.E - Farmland Studies | | | | | | | | | | | | | |
| 3.1.F - Secondary and Cumulative Review | | | | | | | | | | | | | |
| 3.1.G - Address NEPA Specific Environmental Justice Issues | | | | | | | | | | | | | |
| 3.1.H - Relocation Assistance Program Conceptual Survey | | | | | | | | | | | | | |
| 3.1.I - Biological Assessment for Federally Listed Species | | | | | | | | | | | | | |
| 3.1.J Not Used | | | | | | | | | | | | | |
| 3.1.K- Determine Right of Way Encroachments | | | | | | | | | | | | | |
| 3.1.L - Determine Potential Right of Way from Railway | | | | | | | | | | | | | |
| 3.1.M- Waterway Permit | | | | | | | | | | | | | |
| 3.1.N- Stream and Wetland Opportunities Inventory Report | | | | | | | | | | | | | |
| 3.1.O- Phase II Environmental Site Assessment | | | | | | | | | | | | | |
| 3.1.P- Air Quality Analyses | | | | | | | | | | | | | |
| 3.1.Q - Mussel Survey | | | | | | | | | | | | | |
| 3.1.R - FIS Analysis, Revisions, and Coordination | | | | | | | | | | | | | |
| TOTAL 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | |
| 0 0 0 0 0 0 0 0 0 0 0 \$0 | | | | | | | | | | | | | |
| 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | |
| 3.2.A - Value Engineering Study and Report | | | | | | | | | | | | | |
| TOTAL 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | |
| 0 0 0 0 0 0 0 0 0 0 0 \$0 | | | | | | | | | | | | | |
| 3.3 - Stage 2 | | | | | | | | | | | | | |
| 3.3.A - Roadway | | | | | | | | | | | | | |
| 3.3.A.A - Title Sheet | | | | | | | | | | | | | |
| 1 1 2 4 \$175 | | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | |
|---|-------------------------|----------------|-----------------|------------------------|-------------------|-----------------------|----------|------------|----------|-------|---------|--|
| Consultant: | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | |
| Modification No. | 1 | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | |
| Task Description | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | | |
| | | | | | | | | | | Hours | Cost | |
| 3.3.A.B - Schematic | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | 6 | \$234 | |
| 3.3.A.C - General Notes | | | | | | | 2 | 4 | | 6 | \$246 | |
| 3.3.A.D - Typical Sections | | | 1 | | | | 4 | 2 | | 6 | \$809 | |
| 3.3.A.E - Plan and Profile - Mainline | | | 2 | | | | 8 | 11 | | 20 | \$2,874 | |
| 3.3.A.F - Plan and Profile - Crossroads | | | | | | | 28 | 42 | | 72 | \$0 | |
| 3.3.A.G - Plan and profile - Ramps | | | | | | | | | | 0 | \$0 | |
| 3.3.A.H - Cross Sections | | | 1 | | | | 8 | 11 | | 20 | \$809 | |
| 3.3.A.I - Intersection Details | | | 1 | | | | 8 | 11 | | 20 | \$809 | |
| 3.3.A.J - Interchange Geometrics & Details | | | | | | | | | | 0 | \$0 | |
| 3.3.A.K - Limited Access Fencing Plan | | | | | | | | | | 0 | \$0 | |
| 3.3.B - Drainage | | | | | | | | | | | | |
| 3.3.B.A - Storm Sewer Profiles | | | | | | | 2.5 | | | 2.5 | \$108 | |
| 3.3.B.B - Culvert Detail Sheets including headwall and wingwall | | | | | | | | | | 0 | \$0 | |
| 3.3.B.C - Channel Relocation Details | | | | | | | | | | 0 | \$0 | |
| 3.3.B.D - Underdrain details | | | | | | | 2.5 | | | 2.5 | \$108 | |
| 3.3.B.E - BMP Details | | | | | | | 1.5 | | | 1.5 | \$65 | |
| 3.3.B.F - Temporary Drainage (MOT) | | | | | | | | | | 0 | \$0 | |
| 3.3.B.F.1 - Temporary Drainage (MOT) - Adding Temporary Drainage to Plans | | | | | | | | | | 0 | \$0 | |
| 3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage Calculations | | | | | | | | | | 0 | \$0 | |
| 3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing Details | | | | | | | | | | 0 | \$0 | |
| 3.3.B.F.4 - Temporary Drainage (MOT) - Temporary Shoring | | | | | | | | | | 0 | \$0 | |
| 3.3.C - Traffic Control | | | | | | | | | | | | |
| 3.3.C.A - Pavement Marking Plan | | | 1 | | | | 8 | 15 | | 24 | \$957 | |
| 3.3.C.B - Signing Plan | | | | | | | | | | 0 | \$0 | |
| 3.3.D - Signals & ITS | | | | | | | | | | | | |
| 3.3.D.A - Signal Plan Sheets | | | | | | | | | | 0 | \$0 | |
| 3.3.D.B - Interconnect Details | | | | | | | | | | 0 | \$0 | |
| 3.3.D.C - Systems Engineering Analysis | | | | | | | | | | 0 | \$0 | |
| 3.3.D.D - ITS (Traffic Surveillance) Plan Sheets | | | | | | | | | | 0 | \$0 | |
| 3.3.E - Maintenance of Traffic | | | | | | | | | | | | |
| 3.3.E.A - MOT General Notes | | | 1 | | | | 2 | 3 | | 6 | \$255 | |
| 3.3.E.B - Detour Plan- Custom Guide Signs | | | | | | | 3 | 3 | | 6 | \$240 | |
| 3.3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet | | | | | | | 2 | 2 | | 4 | \$160 | |
| 3.3.E.D - Temporary Signing Details | | | | | | | | | | 0 | \$0 | |
| 3.3.E.E - MOT Typical Sections | | | 1 | | | | 2 | 3 | | 6 | \$255 | |
| 3.3.E.F - MOT Plan Sheets | | | 2 | | | | 28 | 42 | | 72 | \$2,874 | |
| 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) | | | | | | | | | | 0 | \$0 | |
| 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Adjustments of Heads, Timing & Detection | | | | | | | | | | 0 | \$0 | |
| 3.3.E.G.2 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Temporary Pole Placement | | | | | | | | | | 0 | \$0 | |
| 3.3.E.H - New Temporary Signal | | | | | | | | | | 0 | \$0 | |
| 3.3.E.H.1 - New Temporary Signal - Head Placement, Timing & Detection | | | | | | | | | | 0 | \$0 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | | |
|--|-------------------------|----------------|-----------|------------------------|-----------------|-------------------|-----------------------|----------|------------|----------|-------|----------|--|
| Consultant: | Strand Associates, Inc. | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | |
| Modification No. | 1 | | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | | |
| | | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | | |
| Task Description | | | | | | | | | | | Hours | Cost | |
| 3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source | | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | 0 | \$0 | |
| 3.3.E.I - Signalized Closures | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.J - MOT Coordination Discussions | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.K - MOT Constructability Coordination | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.L - Temporary Pavement Sections and Earthwork | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.M - Crossover Plan and Profile | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.M.1 - Crossover Plan and Profile - Horizontal & Vertical Design, Superelevation Design & Table | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile Sheets | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.M.3 - Crossover Plan and Profile - Cross Section Sheets | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.N - MOT Temporary Access Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.N.2 - MOT Temporary Access Details - Temporary Ramp Access | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.O - Miscellaneous MOT Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.O.2 - Miscellaneous MOT Details - Custom Detailing | | | | | | | | | | | 0 | \$0 | |
| 3.3.E.P - PIAC/Incentive Funds Request | | | | | | | | | | | 0 | \$0 | |
| 3.3.F - Lighting Plan | | | | | | | | | | | 0 | \$0 | |
| 3.3.F.A - Lighting Analysis | | | | | | | | | | | 0 | \$0 | |
| 3.3.F.B - Power/Circuit Layout & Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.F.C - Lighting Plan and Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.F.D - Voltage Drop Calculations | | | | | | | | | | | 0 | \$0 | |
| 3.3.F.E - Power Service | | | | | | | | | | | 0 | \$0 | |
| 3.3.G - Landscape Plan | | | | | | | | | | | 0 | \$0 | |
| 3.3.G.A - Landscape Plan and Details | | | | | | | | 2 | 4 | | 6 | \$234 | |
| 3.3.G.B - General Notes | | | | | | | | | | | 0 | \$0 | |
| 3.3.H - Noise Wall Details | | | | | | | | | | | 0 | \$0 | |
| 3.3.I - Bridge Plans (break out for each bridge separately) | | | | | | | | | | | 0 | \$0 | |
| 3.3.I.A Bridge Plans | | | | | | | | | | | 0 | \$0 | |
| 3.3.I.B Structure Rating | | | | | | | | | | | 0 | \$0 | |
| 3.3.J - Utilities | | | | | | | | | | | 0 | \$0 | |
| 3.3.J.A - Utility Coordination and Documentation | | | | | | | | | | | 0 | \$0 | |
| 3.3.J.B - Water Works Plan | | | | 2 | | | | 10 | 2 | 2 | 16 | \$684 | |
| 3.3.J.C - Water Works Details & Notes | | | | | | | | | | | 0 | \$0 | |
| 3.3.J.D - Sanitary Sewer Plans | | | | | | | | | | | 0 | \$0 | |
| 3.3.K - Geotechnical Services | | | | | | | | | | | 0 | \$0 | |
| 3.3.K.A - Finalize Geotechnical Investigation and Report | | | | | | | | | | | 0 | \$0 | |
| TOTAL 3.3 - Stage2 | | | 0 | 13 | 0 | 0 | 0 | 122.5 | 157 | 2 | 294.5 | \$11,895 | |
| 3.4 - Right of Way Plans | | | | | | | | | | | | | |
| 3.4.A Conceptual Right of Way Plan Review | | | | | | | | | | | | | |
| 3.4.B - Preliminary Right of Way Plans | | | | | | | | | | | | | |
| 3.4.B.A - Legend Sheet | | | | | | | | | | | 0 | \$0 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | |
|---|-------------------------|----------------|-----------------|------------------------|-------------------|-----------------------|----------|------------|----------|-------|---------|--|
| Consultant: | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | |
| Modification No. | 1 | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | |
| Task Description | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | | |
| | | | | | | | | | | Hours | Cost | |
| 3.4.B.B - Centerline Survey Plat | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | 0 | \$0 | |
| 3.4.B.C - Property Map | | | | | | | | | | 0 | \$0 | |
| 3.4.B.D - Summary of Additional Right of Way | | | | | | | | | | 0 | \$0 | |
| 3.4.B.E - Detailed ROW Plan Sheets | | | | | | | | | | 0 | \$0 | |
| 3.4.B.F - Special Plats | | | | | | | | | | 0 | \$0 | |
| 3.4.B.G - Legal Descriptions and Closure Calculations | | | | | | | | | | 0 | \$0 | |
| 3.4.B.H - Right-of-Way Acquisition Estimate | | | | | | | | | | 0 | \$0 | |
| 3.4.B.I - Field Review | | | | | | | | | | 0 | \$0 | |
| 3.4.C - Final Right of Way Plans | | | | | | | | | | 0 | \$0 | |
| 3.4.C.A Final Right of Way Plans | | | | | | | | | | 0 | \$0 | |
| 3.4.C.B- Field Review & Verify Property Owners | | | | | | | | | | 0 | \$0 | |
| 3.4.C.C - Record Centerline Plat and all appropriate documents | | | | | | | | | | 0 | \$0 | |
| 3.4.C.D - Set R/W Pins after acquisition | | | | | | | | | | 0 | \$0 | |
| TOTAL 3.4 - Right of Way Plans | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | |
| 3.5 - Prepare Environmental Document | | | | | | | | | | | | |
| 3.5.A - Prepare Environmental Document | | | | | | | | | | | | |
| TOTAL 3.5 - Prepare Environmental Document | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | |
| 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | | | | | | | | | | | |
| TOTAL 3.6 - Environmental Commitments and Plan Notes | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | |
| 3.7 - Final Mitigation Plans Coordination | | | | | | | | | | | | |
| 3.7.A - Mitigation for Cultural Resources | | | | | | | | | | 0 | \$0 | |
| 3.7.B - Mitigation for Streams | | | | | | | | | | 0 | \$0 | |
| 3.7.C - Mitigation for Wetlands | | | | | | | | | | 0 | \$0 | |
| 3.7.D - Mitigation Plan for Other Features | | | | | | | | | | 0 | \$0 | |
| TOTAL 3.7 - Final Mitigation Plans Coordination | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | |
| 3.8 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | |
| 3.8.A - Roadway/Interchange Costs | | | 2 | | | | 10 | | | 12 | \$546 | |
| 3.8.B- Structures Costs | | | | | | | | | | 0 | \$0 | |
| 3.8.C- Utility Costs | | | | | | | | | | 0 | \$0 | |
| TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone | | 0 | 2 | 0 | 0 | 0 | 10 | 0 | 0 | 12 | \$546 | |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | |
| 3.9.A - Meetings | | | 5 | | | | 5 | | | 10 | \$505 | |
| 3.9.B - General Oversight | | 2 | 16 | 2 | | | 8 | | | 28 | \$1,630 | |
| 3.9.C - Project Set Up | | | | | | | | | | 0 | \$0 | |
| 3.9.D - Non Routine (Soft) Items | | | | | | | | | | 0 | \$0 | |
| TOTAL 3.9 - Project Management for Environmental Engineering Phase | | 2 | 21 | 2 | 0 | 0 | 13 | 0 | 0 | 38 | \$2,135 | |
| 3.10 - Limited Review | | | | | | | | | | | | |
| 3.10.A - QA/QC for Limited Review | | | | | | | | | | | | |
| TOTAL 3.10 - Limited Review | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | Version: Feb 2017 | |
|---|-------------------------|----------------|-----------------|------------------------|-------------------|-----------------------|----------|------------|----------|-------|----------|----------------------|--|
| Consultant: | Slrand Associates, Inc. | | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | |
| Modification No. | 1 | | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | | |
| Task Description | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Hours | Cost | | |
| Total - 3 Environmental Engineering Phase | 2 | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | 344.5 | \$14,576 | | |
| 4 - Final Engineering and R/W Phase | | | | | | | | | | | | | |
| 4.1 - Right of Way Acquisition | | | | | | | | | | | | | |
| 4.1.A - Right of Way Acquisition | | | | | | | | | | | | | |
| TOTAL 4.1 - Right of Way Acquisition | | | | | | | | | | | | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 | | |
| 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | | | |
| 4.2.A - Quantities and Notes | | | | | | | | | | | | | |
| 4.2.A.A - Pavement Subsummary | | | | | | | | | | | | | |
| | | | | | | | 3 | 4 | | 0 | \$0 | | |
| 4.2.A.B - Drainage Subsummary | | | | | | | | | | | | | |
| | 1 | | | | | | 8 | 9 | | 18 | \$735 | | |
| 4.2.A.C - Roadway Subsummary | | | | | | | | | | | | | |
| | 1 | | | | | | | | | 0 | \$0 | | |
| 4.2.A.D - Not used | | | | | | | | | | | | | |
| 4.2.A.E - Maintenance of Traffic Subsummary | | | | | | | | | | | | | |
| | 1 | | | | | | 1 | 1 | | 3 | \$138 | | |
| 4.2.A.F - Pavement Marking Subsummary | | | | | | | | | | | | | |
| | 1 | | | | | | 4 | 7 | | 12 | \$489 | | |
| 4.2.A.G - Signing Subsummary | | | | | | | | | | | | | |
| | 1 | | | | | | 4 | 7 | | 12 | \$489 | | |
| 4.2.A.H - Signal Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.I - Noise Wall Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.J - Retaining Wall Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.K - Lighting Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.L - Landscape Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.M - General Summary Sheet | | | | | | | | | | | | | |
| | 1 | | | | | | 11 | 12 | | 24 | \$975 | | |
| 4.2.A.N - Bridge Estimated Quantities Sheet | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.O - Reinforcing Steel Schedule | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.P - General Notes | | | | | | | | | | | | | |
| | | | | | | | 2 | 2 | | 4 | \$160 | | |
| 4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet) | | | | | | | | | | | | | |
| | | | | | | | 4 | 4 | | 8 | \$320 | | |
| 4.2.A.R - Lighting Notes | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.S - Bridge General Notes | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.A.T - Fencing Plan Subsummary | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.B - Traffic Signal Plans & ITS Plans | | | | | | | | | | | | | |
| 4.2.B.A - Wiring diagram & pole orientation | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.B - Timing Chart | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.C - Elevation Views of Mast Arm Poles | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.D - Traffic Signal Signs | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.B.E - ITS (Traffic Surveillance) | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.C - Signing Plans | | | | | | | | | | | | | |
| 4.2.C.A - Signing Plans | | | | | | | | | | | | | |
| | 1 | | | | | | 2 | 3 | | 6 | \$255 | | |
| 4.2.C.B - Elevation View of Major Signs | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.C.C - SignCAD | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.D - Miscellaneous | | | | | | | | | | | | | |
| 4.2.D.A - Obtain Railroad Agreement | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |
| 4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance | | | | | | | | | | | | | |
| | | | | | | | 1 | 2 | | 4 | \$175 | | |
| 4.2.D.C - Project Site Plan | | | | | | | | | | | | | |
| | 1 | | | | | | | | | 4 | \$175 | | |
| 4.2.D.D - Update Systems Engineering Analysis | | | | | | | | | | | | | |
| | | | | | | | | | | 0 | \$0 | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | |
|--|-------------------------|----------------|-----------|------------------------|-----------------|-------------------|-----------------------|----------|------------|----------|-------|-------------|
| Consultant: | Sirand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | |
| Modification No. | 1 | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | |
| | | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | |
| Task Description | | | | | | | | | | | Hours | Cost |
| 4.2.D.E - Baseline Construction Schedule | | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | 0 | \$0 |
| 4.2.D.F - Not used | | | | | | | | | | | 0 | \$0 |
| 4.2.D.G - Title Sheet | | | | 1 | | | | 2 | 1 | | 4 | \$181 |
| 4.2.E - Lighting Plans | | | | | | | | | | | | |
| 4.2.E.A - Lighting Details | | | | | | | | | | | 0 | \$0 |
| 4.2.E.B - Lighting Details - Underpass Lighting | | | | | | | | | | | 0 | \$0 |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | | | 0 | 9 | 0 | 0 | 0 | 42 | 52 | 0 | 103 | \$4,252 |
| 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | |
| 4.3.A - Roadway/Interchange Costs | | | | 1 | | | | 11 | | | 12 | \$531 |
| 4.3.B - Right of Way | | | | | | | | | | | 0 | \$0 |
| 4.3.C - Structures Costs | | | | | | | | | | | 0 | \$0 |
| 4.3.D - Utility Costs | | | | | | | | | | | 0 | \$0 |
| TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone | | | 0 | 1 | 0 | 0 | 0 | 11 | 0 | 0 | 12 | \$531 |
| 4.4 - Final Plan Package | | | | | | | | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | | | 4 | | | | 4 | 3 | | 11 | \$515 |
| 4.4 - Final Plan Package | | | 0 | 4 | 0 | 0 | 0 | 4 | 3 | 0 | 11 | \$515 |
| 4.5 - Project Management for Final Engineering and Right of Way | | | | | | | | | | | | |
| 4.5.A - Meetings | | | | 2.5 | | | | 2.5 | | | 5 | \$253 |
| 4.5.B - General Oversight | | | 2 | 16 | 2 | | | 11 | | | 33 | \$1,875 |
| 4.5.C - Project Set Up | | | | | | | | | | | 0 | \$0 |
| 4.5.D - Non Routine (Soft) Items | | | | | | | | | | | 0 | \$0 |
| TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase | | | 2 | 20.5 | 2 | 0 | 0 | 13.5 | 0 | 0 | 38 | \$2,128 |
| 4.6 - Pre-Bid Activities | | | | | | | | | | | | |
| 4.6.A - Pre-Bid Questions | | | | 5 | | | | 5 | | | 10 | \$505 |
| TOTAL 4.6 - Pre-Bid Activities | | | 0 | 5 | 0 | 0 | 0 | 5 | 0 | 0 | 10 | \$505 |
| 4.7 - Limited Review | | | | | | | | | | | | |
| 4.7.A - QA/QC for Limited Review | | | | | | | | | | | | |
| 4.7 - Limited Review | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | \$0 |
| TOTAL - Final Engineering Phase | | | 2 | 39.5 | 2 | 0 | 0 | 75.5 | 55 | 0 | 174 | \$7,930.50 |
| 5 - Construction Phase | | | | | | | | | | | | |
| 5.1 - On-going Services during Construction | | | | | | | | | | | | |
| 5.1.A - On-going Services During Construction | | | | 8 | | | | 16 | | | 24 | \$1,152 |
| TOTAL 5.1 - On-going Services during Construction | | | 0 | 8 | 0 | 0 | 0 | 16 | 0 | 0 | 24 | \$1,152 |
| TOTAL - Construction Phase | | | 0 | 8 | 0 | 0 | 0 | 16 | 0 | 0 | 24 | \$1,152.00 |
| TOTAL AUTHORIZED PARTS | | | 4 | 83.5 | 4 | 0 | 0 | 237 | 212 | 2 | 542.5 | \$23,658.00 |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL LABOR SUMMARY | | | | | | | | Version: Feb 2017 | |
|----------------------------------|--|-------------------------|-----------|------------------------|-----------------|-------------------|-----------------------|----------|------------|----------|-------------|----------------------|--|
| Consultant: | | Sirand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | | | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | | |
| | | No. of Units | Principal | Project Manager | Senior Engineer | Survey Field Crew | Professional Surveyor | Engineer | Technician | Clerical | Total | | |
| Task Description | | | \$107.00 | \$58.00 | \$72.00 | \$0.00 | \$0.00 | \$43.00 | \$37.00 | \$32.00 | Hours | Cost | |
| IF-AUTHORIZED TASKS: | | | | | | | | | | | | | |
| | | | | | | | | | | | 0 | \$0 | |
| | | | | | | | | | | | 0 | \$0 | |
| | | | | | | | | | | | 0 | \$0 | |
| TOTAL IF-AUTHORIZED PARTS | | | | | | | | | | | | | |
| GRAND TOTAL | | 4 | 83.5 | 4 | 0 | 0 | 237 | 212 | 2 | 542.5 | \$23,658.00 | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | | |
|-------------------|-------------------------|----------------|--|-----------------------------|---------------------|---------|-------|----------|---------|--------|----------------------|-----|-------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | | | |
| Proposal Date | 8/12/2020 | | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | | |
| AUTHORIZED TASKS: | | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | |
|--|-------------------------|----------------|---------------------|-----------------------------|-------|----------|---------|--------|--------|------|----------------------|--|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | |
| | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total | |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | |
| 2.2.B – Cultural Resources Scoping Request From | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.C - Ecological Survey Report | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.D - Environmental Site Assessment Screening | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.E - Social and Economic Resources | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$946 | \$0 | \$946 | |
| 2.2.F - 4(f) determinations | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.G - Noise Analysis | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.H - Noise Analysis - Public Involvement | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 2.2.I – Phase I Cultural Resource History/Architecture Survey | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 2.2 - Perform Environmental Field Studies | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$946 | \$0 | \$946 | |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | |
| 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | |
| 3.1.A - Phase I Cultural Archaeological | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.B - Phase II Cultural Resource History/Architecture Survey | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.C - Section 4 (f) Determination | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.D - Phase I Environmental Site Assessment | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.E - Farmland Studies | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.F - Secondary and Cumulative Review | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.G - Address NEPA Specific Environmental Justice Issues | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.H - Relocation Assistance Program Conceptual Survey | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.I - Biological Assessment for Federally Listed Species | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.J Not Used | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.K- Determine Right of Way Encroachments | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.L - Determine Potential Right of Way from Railway | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.M- Waterway Permit | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.N- Stream and Wetland Opportunities Inventory Report | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.O- Phase II Environmental Site Assessment | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.P- Air Quality Analyses | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.Q - Mussel Survey | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.1.R – FIS Analysis, Revisions, and Coordination | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 3.1 - Environmental Field Studies and Refined Impacts | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | |
| 3.2.A - Value Engineering Study and Report | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 3.2 - Stage 1 Value Engineering | | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3 - Stage2 | | | | | | | | | | | | |
| 3.3.A - Roadway | | | | | | | | | | | | |
| 3.3.A.A - Title Sheet | | | \$43.75 | 4 | \$175 | \$288 | \$4 | \$30 | \$0 | \$50 | \$527 | |
| 3.3.A.B - Schematic | | | \$39.00 | 6 | \$234 | \$358 | \$6 | \$60 | \$0 | \$66 | \$724 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | | |
|---|-------------------------|---------------------|-------|-----------------------------|----------|-------|---------|-----|--------|------|----------------------|---------|-------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | | 157.26% | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | | 153.10% | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | | 2.38% | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | | 11% | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | | |
| Task Description | No. of Units | Average Hourly Rate | Total | | Overhead | | Direct | | Subcon | | Net | | Total |
| | | | Hours | Costs | Costs | Money | Costs | Fee | Cost | | | | |
| 3.3.A.C - General Notes | | \$41.00 | 6 | \$246 | \$377 | \$6 | \$60 | \$0 | \$0 | \$70 | | \$758 | |
| 3.3.A.D - Typical Sections | | \$40.45 | 20 | \$809 | \$1,239 | \$19 | \$210 | \$0 | \$229 | | | \$2,506 | |
| 3.3.A.E - Plan and Profile - Mainline | | \$39.92 | 72 | \$2,874 | \$4,400 | \$68 | \$750 | \$0 | \$813 | | | \$8,906 | |
| 3.3.A.F - Plan and Profile - Crossroads | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.A.G - Plan and profile - Ramps | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.A.H - Cross Sections | | \$40.45 | 20 | \$809 | \$1,239 | \$19 | \$210 | \$0 | \$229 | | | \$2,506 | |
| 3.3.A.I - Intersection Details | | \$40.45 | 20 | \$809 | \$1,239 | \$19 | \$210 | \$0 | \$229 | | | \$2,506 | |
| 3.3.A.J - Interchange Geometrics & Details | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.A.K - Limited Access Fencing Plan | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B - Drainage | | | | | | | | | | | | | |
| 3.3.B.A - Storm Sewer Profiles | | \$43.00 | 2.5 | \$108 | \$165 | \$3 | \$15 | \$0 | \$30 | | | \$320 | |
| 3.3.B.B - Culvert Detail Sheets including headwall and wingwall | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B.C - Channel Relocation Details | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B.D - Underdrain details | | \$43.00 | 2.5 | \$108 | \$165 | \$3 | \$45 | \$0 | \$30 | | | \$350 | |
| 3.3.B.E - BMP Details | | \$43.00 | 1.5 | \$65 | \$99 | \$2 | \$15 | \$0 | \$18 | | | \$198 | |
| 3.3.B.F - Temporary Drainage (MOT) | | | | | | | | | | | | | |
| 3.3.B.F.1 - Temporary Drainage (MOT) - Adding Temporary Drainage to Plans | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage Calculations | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing Details | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.B.F.4 - Temporary Drainage (MOT) - Temporary Shoring | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.C - Traffic Control | | | | | | | | | | | | | |
| 3.3.C.A - Pavement Marking Plan | | \$39.88 | 24 | \$957 | \$1,465 | \$23 | \$240 | \$0 | \$271 | | | \$2,956 | |
| 3.3.C.B - Signing Plan | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.D - Signals & ITS | | | | | | | | | | | | | |
| 3.3.D.A - Signal Plan Sheets | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.D.B - Interconnect Details | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.D.C - Systems Engineering Analysis | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.D.D - ITS (Traffic Surveillance) Plan Sheets | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.E - Maintenance of Traffic | | | | | | | | | | | | | |
| 3.3.E.A - MOT General Notes | | \$42.50 | 6 | \$255 | \$390 | \$6 | \$60 | \$0 | \$72 | | | \$784 | |
| 3.3.E.B - Detour Plan- Custom Guide Signs | | \$40.00 | 6 | \$240 | \$367 | \$6 | \$60 | \$0 | \$68 | | | \$741 | |
| 3.3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet | | \$40.00 | 4 | \$160 | \$245 | \$4 | \$30 | \$0 | \$45 | | | \$484 | |
| 3.3.E.D - Temporary Signing Details | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |
| 3.3.E.E - MOT Typical Sections | | \$42.50 | 6 | \$255 | \$390 | \$6 | \$120 | \$0 | \$72 | | | \$844 | |
| 3.3.E.F - MOT Plan Sheets | | \$39.92 | 72 | \$2,874 | \$4,400 | \$68 | \$750 | \$0 | \$813 | | | \$8,906 | |
| 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) | | | | | | | | | | | | | |
| 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Adjustments of Heads, Timing & Detection | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | \$0 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 |
|---|-------------------------|---------------------|-------|-----------------------------|----------|---------|--------|---------|-------|---------|----------------------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | |
| Proposal Date | 6/12/2020 | | | | | | | | | | |
| Task Description | No. of Units | Average Hourly Rate | Total | | Overhead | | Direct | Subcon | Net | Total | |
| | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | |
| 3.3.E.G.2 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Temporary Pole Placement | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.H - New Temporary Signal | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.H.1 - New Temporary Signal - Head Placement, Timing & Detection | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.I - Signalized Closures | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.J - MOT Coordination Discussions | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.K - MOT Constructability Coordination | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.L - Temporary Pavement Sections and Earthwork | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.M - Crossover Plan and Profile | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.M.1 - Crossover Plan and Profile - Horizontal & Vertical Design, Superelevation Design & Table | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile Sheets | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.M.3 - Crossover Plan and Profile - Cross Section Sheets | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.N - MOT Temporary Access Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.N.2 - MOT Temporary Access Details - Temporary Ramp Access | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.O - Miscellaneous MOT Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.O.2 - Miscellaneous MOT Details - Custom Detailing | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.E.P - PIAC/Incentive Funds Request | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.F - Lighting Plan | | | | | | | | | | | |
| 3.3.F.A - Lighting Analysis | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$2,979 | \$0 | \$2,979 | |
| 3.3.F.B - Power/Circuit Layout & Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$1,998 | \$0 | \$1,998 | |
| 3.3.F.C - Lighting Plan and Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$6,216 | \$0 | \$6,216 | |
| 3.3.F.D - Voltage Drop Calculations | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$888 | \$0 | \$888 | |
| 3.3.F.E - Power Service | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$888 | \$0 | \$888 | |
| 3.3.G - Landscape Plan | | | | | | | | | | | |
| 3.3.G.A - Landscape Plan and Details | | \$39.00 | 6 | \$234 | \$358 | \$6 | \$45 | \$0 | \$66 | \$709 | |
| 3.3.G.B - General Notes | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.H - Noise Wall Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.I - Bridge Plans (break out for each bridge separately) | | | | | | | | | | | |
| 3.3.I.A Bridge Plans | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.I.B Structure Rating | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.3.J - Utilities | | | | | | | | | | | |
| 3.3.J.A - Utility Coordination and Documentation | | \$42.75 | 16 | \$684 | \$1,047 | \$16 | \$75 | \$0 | \$194 | \$2,016 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | | |
|--|-------------------------|----------------|---------|-----------------------------|---------------------|----------|-------|----------|----------|---------|----------------------|-----|----------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | | | |
| Proposal Date | 8/12/2020 | | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | | Costs | Fee | | Cost |
| 3.3.J.B - Water Works Plan | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3.3.J.C - Water Works Details & Notes | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3.3.J.D - Sanitary Sewer Plans | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3.3.K - Geotechnical Services | | | | | | | | | | | | | |
| 3.3.K.A - Finalize Geotechnical Investigation and Report | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL 3.3 - Stage2 | | | \$40.39 | 294.5 | \$11,895 | \$18,210 | \$283 | \$2,985 | \$12,968 | \$3,366 | | | \$49,707 |
| 3.4 - Right of Way Plans | | | | | | | | | | | | | |
| 3.4.A Conceptual Right of Way Plan Review | | | | | | | | | \$0 | \$0 | | | \$0 |
| 3.4.B - Preliminary Right of Way Plans | | | | | | | | | | | | | |
| 3.4.B.A - Legend Sheet | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 3.4.B.B - Centerline Survey Plat | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,880 | \$0 | | | \$1,880 |
| 3.4.B.C - Property Map | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$940 | \$0 | | | \$940 |
| 3.4.B.D - Summary of Additional Right of Way | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,049 | \$0 | | | \$1,049 |
| 3.4.B.E - Detailed ROW Plan Sheets | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$3,038 | \$0 | | | \$3,038 |
| 3.4.B.F - Special Plats | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.4.B.G - Legal Descriptions and Closure Calculations | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,495 | \$0 | | | \$2,495 |
| 3.4.B.H - Right-of-Way Acquisition Estimate | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.4.B.I - Field Review | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.4.C - Final Right of Way Plans | | | | | | | | | | | | | |
| 3.4.C.A Final Right of Way Plans | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,046 | \$0 | | | \$1,046 |
| 3.4.C.B - Field Review & Verify Property Owners | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.4.C.C - Record Centerline Plat and all appropriate documents | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.4.C.D - Set R/W Pins after acquisition | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| TOTAL 3.4 - Right of Way Plans | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$10,448 | \$0 | | | \$10,448 |
| 3.5 - Prepare Environmental Document | | | | | | | | | | | | | |
| 3.5.A - Prepare Environmental Document | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$12,596 | \$0 | | | \$12,596 |
| TOTAL 3.5 - Prepare Environmental Document | | | | | | | | | \$12,596 | | | | \$12,596 |
| 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$831 | \$0 | | | \$831 |
| TOTAL 3.6 - Environmental Commitments and Plan Notes | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$831 | \$0 | | | \$831 |
| 3.7 - Final Mitigation Plans Coordination | | | | | | | | | | | | | |
| 3.7.A - Mitigation for Cultural Resources | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.7.B - Mitigation for Streams | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.7.C - Mitigation for Wetlands | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| 3.7.D - Mitigation Plan for Other Features | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |
| TOTAL 3.7 - Final Mitigation Plans Coordination | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | | \$0 |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | | |
|---|-------------------------|----------------|--|-----------------------------|---------------------|----------|----------|----------|---------|----------|----------------------|----------|-------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | | | |
| Proposal Date | 8/12/2020 | | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | | |
| 3.8 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | | |
| 3.8.A - Roadway/Interchange Costs | | | | \$45.50 | 12 | \$546 | \$836 | \$13 | \$90 | \$0 | \$155 | \$1,639 | |
| 3.8.B - Structures Costs | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 3.8.C - Utility Costs | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone | | | | \$45.50 | 12 | \$546 | \$836 | \$13 | \$90 | \$0 | \$155 | \$1,639 | |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | | |
| 3.9.A - Meetings | | | | \$50.50 | 10 | \$505 | \$773 | \$12 | \$29 | \$631 | \$143 | \$2,093 | |
| 3.9.B - General Oversight | | | | \$58.21 | 28 | \$1,630 | \$2,498 | \$39 | \$180 | \$2,523 | \$461 | \$7,329 | |
| 3.9.C - Project Set Up | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$631 | \$0 | \$631 | |
| 3.9.D - Non Routine (Soft) Items | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 3.9 - Project Management for Environmental Engineering Phase | | | | \$56.18 | 38 | \$2,135 | \$3,269 | \$51 | \$209 | \$3,785 | \$604 | \$10,052 | |
| 3.10 - Limited Review | | | | | | | | | | | | | |
| 3.10.A - QA/QC for Limited Review | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| TOTAL 3.10 - Limited Review | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| Total - 3 Environmental Engineering Phase | | | | \$42.31 | 344.5 | \$14,676 | \$22,316 | \$347 | \$3,284 | \$41,673 | \$4,125 | \$86,219 | |
| 4 - Final Engineering and R/W Phase | | | | | | | | | | | | | |
| 4.1 - Right of Way Acquisition | | | | | | | | | | | | | |
| 4.1.A - Right of Way Acquisition | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$44,000 | \$0 | \$44,000 | |
| TOTAL 4.1 - Right of Way Acquisition | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$44,000 | \$0 | \$44,000 | |
| 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | | | |
| 4.2.A - Quantities and Notes | | | | | | | | | | | | | |
| 4.2.A.A - Pavement Subsummary | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 4.2.A.B - Drainage Subsummary | | | | \$41.88 | 8 | \$335 | \$513 | \$8 | \$90 | \$0 | \$95 | \$1,041 | |
| 4.2.A.C - Roadway Subsummary | | | | \$40.83 | 18 | \$735 | \$1,125 | \$17 | \$135 | \$0 | \$208 | \$2,221 | |
| 4.2.A.D - Not used | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 4.2.A.E - Maintenance of Traffic Subsummary | | | | \$48.00 | 3 | \$138 | \$211 | \$3 | \$30 | \$0 | \$39 | \$422 | |
| 4.2.A.F - Pavement Marking Subsummary | | | | \$40.75 | 12 | \$489 | \$749 | \$12 | \$120 | \$0 | \$138 | \$1,508 | |
| 4.2.A.G - Signing Subsummary | | | | \$40.75 | 12 | \$489 | \$749 | \$12 | \$120 | \$0 | \$138 | \$1,508 | |
| 4.2.A.H - Signal Subsummary | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 4.2.A.I - Noise Wall Subsummary | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |
| 4.2.A.J - Retaining Wall Subsummary | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | | |
|---|-------------------------|---------------------|------------|-----------------------------|----------------|--------------|----------------|----------------|----------------|-----------------|-----|---------|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | 157.26% | | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | 153.10% | | | | | | | |
| Modification No. | 1 | | | Cost of Money: | 2.38% | | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | 11% | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | |
| Task Description | No. of Units | Average Hourly Rate | Total | | Overhead | | Cost of | | Direct | Subcon | Net | Total |
| | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | | |
| 4.2.A.K - Lighting Subsummary | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,519 | \$0 | \$1,519 |
| 4.2.A.L - Landscape Subsummary | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.A.M - General Summary Sheet | \$40.63 | | 24 | \$975 | \$1,493 | \$23 | \$360 | \$0 | \$276 | \$0 | \$0 | \$3,127 |
| 4.2.A.N - Bridge Estimated Quantities Sheet | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.A.O - Reinforcing Steel Schedule | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.A.P - General Notes | \$40.00 | | 4 | \$160 | \$245 | \$4 | \$30 | \$0 | \$45 | \$0 | \$0 | \$484 |
| 4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet) | \$40.00 | | 8 | \$320 | \$490 | \$8 | \$90 | \$0 | \$91 | \$0 | \$0 | \$898 |
| 4.2.A.R - Lighting Notes | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$1,741 | \$0 | \$0 | \$1,741 |
| 4.2.A.S - Bridge General Notes | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.A.T - Fencing Plan Subsummary | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.B - Traffic Signal Plans & ITS Plans | | | | | | | | | | | | |
| 4.2.B.A - Wiring diagram & pole orientation | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.B.B - Timing Chart | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.B.C - Elevation Views of Mast Arm Poles | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.B.D - Traffic Signal Signs | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.C - Signing Plans | | | | | | | | | | | | |
| 4.2.C.A - Signing Plans | \$42.50 | | 6 | \$255 | \$390 | \$6 | \$60 | \$0 | \$72 | \$0 | \$0 | \$784 |
| 4.2.C.B - Elevation View of Major Signs | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.C.C - SignCAD | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D - Miscellaneous | | | | | | | | | | | | |
| 4.2.D.A - Obtain Railroad Agreement | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D.C - Project Site Plan | \$43.75 | | 4 | \$175 | \$268 | \$4 | \$45 | \$0 | \$50 | \$0 | \$0 | \$542 |
| 4.2.D.D - Update Systems Engineering Analysis | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D.E - Baseline Construction Schedule | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D.F - Not used | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.2.D.G - Title Sheet | \$45.25 | | 4 | \$181 | \$277 | \$4 | \$30 | \$0 | \$51 | \$0 | \$0 | \$544 |
| 4.2.E - Lighting Plans | | | | | | | | | | | | |
| 4.2.E.A - Lighting Details | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$2,407 | \$0 | \$0 | \$2,407 |
| 4.2.E.B - Lighting Details - Underpass Lighting | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | \$41.28 | | 103 | \$4,252 | \$6,510 | \$101 | \$1,110 | \$5,667 | \$1,203 | \$18,843 | | |
| 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | |
| 4.3.A - Roadway/Interchange Costs | \$44.25 | | 12 | \$531 | \$813 | \$13 | \$90 | \$0 | \$150 | \$0 | \$0 | \$1,597 |
| 4.3.B - Right of Way | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.3.C - Structures Costs | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| 4.3.D - Utility Costs | #DIV/0! | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone | \$44.25 | | 12 | \$531 | \$813 | \$13 | \$90 | \$0 | \$150 | \$1,597 | | |
| 4.4 - Final Plan Package | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | | | |
|---|-------------------------|----------------|--|-----------------------------|---------------------|----------|----------|----------|---------|----------|----------------------|-----------|-------|--|
| Consultant: | Strand Associates, Inc. | | | State Average Overhead Rate | | 157.26% | | | | | | | | |
| Agreement No. | 0 | | | Consultant Overhead Rate: | | 153.10% | | | | | | | | |
| Modification No. | 1 | | | Cost of Money: | | 2.38% | | | | | | | | |
| PID No. | 107130 | | | Net Fee Percentage: | | 11% | | | | | | | | |
| Proposal Date | 9/12/2020 | | | | | | | | | | | | | |
| | | | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total | |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | | | \$46.82 | 11 | \$515 | \$788 | \$12 | \$320 | \$1,297 | \$146 | \$3,078 | | |
| 4.4 - Final Plan Package | | | | \$46.82 | 11 | \$515 | \$788 | \$12 | \$320 | \$1,297 | \$146 | \$3,078 | | |
| 4.5 - Project Management for Final Engineering and Right of Way | | | | | | | | | | | | | | |
| 4.5.A - Meetings | | | | \$50.50 | 5 | \$253 | \$387 | \$6 | \$14 | \$0 | \$71 | \$731 | | |
| 4.5.B - General Oversight | | | | \$56.82 | 33 | \$1,875 | \$2,871 | \$45 | \$225 | \$0 | \$531 | \$5,546 | | |
| 4.5.C - Project Set Up | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | |
| 4.5.D - Non Routine (Soft) Items | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | |
| TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase | | | | \$55.99 | 38 | \$2,128 | \$3,257 | \$51 | \$239 | \$0 | \$602 | \$6,277 | | |
| 4.6 - Pre-Bid Activities | | | | | | | | | | | | | | |
| 4.6.A - Pre-Bid Questions | | | | \$50.50 | 10 | \$505 | \$773 | \$12 | \$75 | \$0 | \$143 | \$1,508 | | |
| TOTAL 4.6 - Pre-Bid Activities | | | | \$50.50 | 10 | \$505 | \$773 | \$12 | \$75 | \$0 | \$143 | \$1,508 | | |
| 4.7 - Limited Review | | | | | | | | | | | | | | |
| 4.7.A - QA/QC for Limited Review | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | |
| 4.7 - Limited Review | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | | |
| TOTAL - Final Engineering Phase | | | | \$45.58 | 174 | \$7,931 | \$12,142 | \$189 | \$1,834 | \$50,964 | \$2,244 | \$75,303 | | |
| 5 - Construction Phase | | | | | | | | | | | | | | |
| 5.1 - On-going Services during Construction | | | | | | | | | | | | | | |
| 5.1.A - On-going Services During Construction | | | | \$48.00 | 24 | \$1,152 | \$1,764 | \$27 | \$240 | \$0 | \$326 | \$3,509 | | |
| TOTAL 5.1 - On-going Services during Construction | | | | \$48.00 | 24 | \$1,152 | \$1,764 | \$27 | \$240 | \$0 | \$326 | \$3,509 | | |
| TOTAL - Construction Phase | | | | \$48.00 | 24 | \$1,152 | \$1,764 | \$27 | \$240 | \$0 | \$326 | \$3,509 | | |
| TOTAL AUTHORIZED PARTS | | | | \$43.61 | 542.5 | \$23,668 | \$36,220 | \$563 | \$5,358 | \$93,483 | \$6,695 | \$165,031 | | |
| IF-AUTHORIZED TASKS: | | | | | | | | | | | | | | |
| 0 Noise Analysis | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$10,414 | \$0 | \$10,414 | | |
| 0 Phase I Cultural Resource Survey | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$5,131 | \$0 | \$5,131 | | |
| 0 Regulated Materials Review Assessment | | | | #DIV/0! | 0 | \$0 | \$0 | \$0 | \$0 | \$4,648 | \$0 | \$4,648 | | |

| C-R-S | | HAM-CR284-1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 |
|------------------|---------------------------|-----------------|---------------------------|-----------------------------|----------|----------|---------|---------|-----------|---------|----------------------|
| Consultant: | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | 0 | | | State Average Overhead Rate | 157.26% | | | | | | |
| Modification No. | 1 | | | Consultant Overhead Rate: | 153.10% | | | | | | |
| PID No. | 107130 | | | Cost of Money: | 2.38% | | | | | | |
| Proposal Date | 8/12/2020 | | | Net Fee Percentage: | 11% | | | | | | |
| | | No. of Units | Average Hourly Rate | Total | Labor | Overhead | Cost of | Direct | Subcon | Net | Total |
| Task Description | | | | Hours | Costs | Costs | Money | Costs | Costs | Fee | Cost |
| | TOTAL IF-AUTHORIZED PARTS | | | \$0 | \$0 | \$0 | \$0 | \$0 | \$20,193 | \$0 | \$20,193 |
| | GRAND TOTAL | | | 542.5 | \$23,658 | \$36,220 | \$563 | \$5,358 | \$113,676 | \$6,695 | \$185,224 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | | |
|--|--|-------------------------|--|--------------|--------|--------|---------|--------------------|-------------------|------------------|----------------------|---------------|-------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | | |
| | | | | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| Task Description | | Unit Cost: | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | |
| AUTHORIZED TASKS: | | | | | | | | | | | | | |
| 2 - Preliminary Engineering Phase | | | | | | | | | | | | | |
| 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | | |
| 2.2.A - Property Owner Notification | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.B - Cultural Resources Scoping Request From | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.C - Ecological Survey Report | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.D - Environmental Site Assessment Screening | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.E - Social and Economic Resources | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.F - 4(f) determinations | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.G - Noise Analysis | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.H - Noise Analysis - Public Involvement | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2.2.I - Phase I Cultural Resource History/Architecture Survey | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTAL 2.2 - Perform Environmental Field Studies | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | \$0 |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | | |
| 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | |
| 3.1.A - Phase I Cultural Archaeological | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.B - Phase II Cultural Resource History/Architecture Survey | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.C - Section 4 (f) Determination | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.D - Phase I Environmental Site Assessment | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.E - Farmland Studies | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.F - Secondary and Cumulative Review | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.G - Address NEPA Specific Environmental Justice Issues | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.H - Relocation Assistance Program Conceptual Survey | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.I - Biological Assessment for Federally Listed Species | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.J Not Used | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.K- Determine Right of Way Encroachments | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.L - Determine Potential Right of Way from Railway | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3.1.M- Waterway Permit | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | | |
|---|-------------------|-------------------------|--------|--------------|---------|--------|---------|--------------------|-------------------|------------------|----------------------|---------------|----------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | | |
| | | | | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| Task Description | Unit Cost: | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | | |
| 3.1.N- Stream and Wetland Opportunities Inventory Report | | | | | | | | | | | | | \$0.00 |
| 3.1.O- Phase II Environmental Site Assessment | | | | | | | | | | | | | \$0.00 |
| 3.1.P- Air Quality Analyses | | | | | | | | | | | | | \$0.00 |
| 3.1.Q - Mussel Survey | | | | | | | | | | | | | \$0.00 |
| 3.1.R – FIS Analysis, Revisions, and Coordination | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | | | | | | \$0 |
| 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | |
| 3.2.A - Value Engineering Study and Report | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.2 - Stage 1 Value Engineering | | | | | | | | | | | | | \$0 |
| 3.3 - Stage2 | | | | | | | | | | | | | |
| 3.3.A - Roadway | | | | | | | | | | | | | |
| 3.3.A.A - Title Sheet | | | | | | | | | 2 | | | | \$30.00 |
| 3.3.A.B - Schematic | | | | | | | | | 4 | | | | \$60.00 |
| 3.3.A.C - General Notes | | | | | | | | | 4 | | | | \$60.00 |
| 3.3.A.D - Typical Sections | | | | | | | | | 14 | | | | \$210.00 |
| 3.3.A.E- Plan and Profile - Mainline | | | | | | | | | 50 | | | | \$750.00 |
| 3.3.A.F - Plan and Profile - Crossroads | | | | | | | | | | | | | \$0.00 |
| 3.3.A.G - Plan and profile - Ramps | | | | | | | | | | | | | \$0.00 |
| 3.3.A.H - Cross Sections | | | | | | | | | 14 | | | | \$210.00 |
| 3.3.A.I - Intersection Details | | | | | | | | | 14 | | | | \$210.00 |
| 3.3.A.J- Interchange Geometrics & Details | | | | | | | | | | | | | \$0.00 |
| 3.3.A.K – Limited Access Fencing Plan | | | | | | | | | | | | | \$0.00 |
| 3.3.B - Drainage | | | | | | | | | | | | | |
| 3.3.B.A - Storm Sewer Profiles | | | | | | | | | 1 | | | | \$15.00 |
| 3.3.B.B - Culvert Detail Sheets including headwall and wingwall | | | | | | | | | | | | | \$0.00 |
| 3.3.B.C - Channel Relocation Details | | | | | | | | | | | | | \$0.00 |
| 3.3.B.D - Underdrain details | | | | | | | | | 3 | | | | \$45.00 |
| 3.3.B.E - BMP Details | | | | | | | | | 1 | | | | \$15.00 |
| 3.3.B.F - Temporary Drainage (MOT) | | | | | | | | | | | | | |
| 3.3.B.F.1 - Temporary Drainage (MOT) - Adding Temporary Drainage to Plans | | | | | | | | | | | | | \$0.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|---|--|-------------------------|---------|--------------|---------|--------|--------------------|-------------------|------------------|---------------|----------------------|----------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| 3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage Calculations | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | \$0.00 |
| 3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing Details | | | | | | | | | | | | \$0.00 |
| 3.3.B.F.4 - Temporary Drainage (MOT) – Temporary Shoring | | | | | | | | | | | | \$0.00 |
| 3.3.C - Traffic Control | | | | | | | | | | | | |
| 3.3.C.A - Pavement Marking Plan | | | | | | | 16 | | | | | \$240.00 |
| 3.3.C.B - Signing Plan | | | | | | | | | | | | \$0.00 |
| 3.3.D - Signals & ITS | | | | | | | | | | | | |
| 3.3.D.A - Signal Plan Sheets | | | | | | | | | | | | \$0.00 |
| 3.3.D.B - Interconnect Details | | | | | | | | | | | | \$0.00 |
| 3.3.D.C - Systems Engineering Analysis | | | | | | | | | | | | \$0.00 |
| 3.3.D.D - ITS (Traffic Surveillance) Plan Sheets | | | | | | | | | | | | \$0.00 |
| 3.3.E - Maintenance of Traffic | | | | | | | | | | | | |
| 3.3.E.A - MOT General Notes | | | | | | | 4 | | | | | \$60.00 |
| 3.3.E.B - Detour Plan- Custom Guide Signs | | | | | | | 4 | | | | | \$60.00 |
| 3.3.E.C - Pedestrian/Bike Lane Detour – Plan Sheet | | | | | | | 2 | | | | | \$30.00 |
| 3.3.E.D - Temporary Signing Details | | | | | | | | | | | | \$0.00 |
| 3.3.E.E - MOT Typical Sections | | | | | | | 8 | | | | | \$120.00 |
| 3.3.E.F - MOT Plan Sheets | | | | | | | 50 | | | | | \$750.00 |
| 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) | | | | | | | | | | | | |
| 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) – Adjustments of Heads, Timing & Detection | | | | | | | | | | | | \$0.00 |
| 3.3.E.G.2 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Temporary Pole Placement | | | | | | | | | | | | \$0.00 |
| 3.3.E.H - New Temporary Signal | | | | | | | | | | | | |
| 3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection | | | | | | | | | | | | \$0.00 |
| 3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source | | | | | | | | | | | | \$0.00 |
| 3.3.E.I - Signalized Closures | | | | | | | | | | | | \$0.00 |
| 3.3.E.J - MOT Coordination Discussions | | | | | | | | | | | | \$0.00 |
| 3.3.E.K - MOT Constructability Coordination | | | | | | | | | | | | \$0.00 |
| 3.3.E.L - Temporary Pavement Sections and Earthwork | | | | | | | | | | | | \$0.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|--|--|-------------------------|---------|--------------|--------|---------|--------------------|-------------------|------------------|---------------|----------------------|---------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| 3.3.E.M - Crossover Plan and Profile | | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | |
| 3.3.E.M.1 - Crossover Plan and Profile - Horizontal & Vertical Design, Superelevation Design & Table | | | | | | | | | | | | \$0.00 |
| 3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile Sheets | | | | | | | | | | | | \$0.00 |
| 3.3.E.M.3 - Crossover Plan and Profile - Cross Section Sheets | | | | | | | | | | | | \$0.00 |
| 3.3.E.N - MOT Temporary Access Details | | | | | | | | | | | | |
| 3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access | | | | | | | | | | | | \$0.00 |
| 3.3.E.N.2 - MOT Temporary Access Details - Temporary Ramp Access | | | | | | | | | | | | \$0.00 |
| 3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details | | | | | | | | | | | | \$0.00 |
| 3.3.E.O - Miscellaneous MOT Details | | | | | | | | | | | | |
| 3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets | | | | | | | | | | | | \$0.00 |
| 3.3.E.O.2 - Miscellaneous MOT Details - Custom Detailing | | | | | | | | | | | | \$0.00 |
| 3.3.E.P - PIAC/Incentive Funds Request | | | | | | | | | | | | \$0.00 |
| 3.3.F - Lighting Plan | | | | | | | | | | | | |
| 3.3.F.A - Lighting Analysis | | | | | | | | | | | | \$0.00 |
| 3.3.F.B - Power/Circuit Layout & Details | | | | | | | | | | | | \$0.00 |
| 3.3.F.C - Lighting Plan and Details | | | | | | | | | | | | \$0.00 |
| 3.3.F.D - Voltage Drop Calculations | | | | | | | | | | | | \$0.00 |
| 3.3.F.E - Power Service | | | | | | | | | | | | \$0.00 |
| 3.3.G - Landscape Plan | | | | | | | | | | | | |
| 3.3.G.A - Landscape Plan and Details | | | | | | | | 3 | | | | \$45.00 |
| 3.3.G.B - General Notes | | | | | | | | | | | | \$0.00 |
| 3.3.H - Noise Wall Details | | | | | | | | | | | | \$0.00 |
| 3.3.I - Bridge Plans (break out for each bridge separately) | | | | | | | | | | | | |
| 3.3.I.A Bridge Plans | | | | | | | | | | | | \$0.00 |
| 3.3.I.B Structure Rating | | | | | | | | | | | | \$0.00 |
| 3.3.J - Utilities | | | | | | | | | | | | |
| 3.3.J.A - Utility Coordination and Documentation | | | | | 100 | | | 4 | | | | \$75.00 |
| 3.3.J.B - Water Works Plan | | | | | | | | | | | | \$0.00 |
| 3.3.J.C - Water Works Details & Notes | | | | | | | | | | | | \$0.00 |
| 3.3.J.D - Sanitary Sewer Plans | | | | | | | | | | | | \$0.00 |
| 3.3.K - Geotechnical Services | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | | |
|--|--|-------------------------|--|--------------|--------|--------|---------|--------------------|-------------------|------------------|----------------------|---------------|---------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | | |
| | | | | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| Task Description | | Unit Cost: | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | |
| 3.3.K.A - Finalize Geotechnical Investigation and Report | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.3 - Stage2 | | | | | | | | | | | | | \$2,985 |
| 3.4 - Right of Way Plans | | | | | | | | | | | | | |
| 3.4.A Conceptual Right of Way Plan Review | | | | | | | | | | | | | \$0.00 |
| 3.4.B - Preliminary Right of Way Plans | | | | | | | | | | | | | |
| 3.4.B.A - Legend Sheet | | | | | | | | | | | | | \$0.00 |
| 3.4.B.B - Centerline Survey Plat | | | | | | | | | | | | | \$0.00 |
| 3.4.B.C - Property Map | | | | | | | | | | | | | \$0.00 |
| 3.4.B.D - Summary of Additional Right of Way | | | | | | | | | | | | | \$0.00 |
| 3.4.B.E - Detailed ROW Plan Sheets | | | | | | | | | | | | | \$0.00 |
| 3.4.B.F - Special Plats | | | | | | | | | | | | | \$0.00 |
| 3.4.B.G - Legal Descriptions and Closure Calculations | | | | | | | | | | | | | \$0.00 |
| 3.4.B.H - Right-of-Way Acquisition Estimate | | | | | | | | | | | | | \$0.00 |
| 3.4.B.I - Field Review | | | | | | | | | | | | | \$0.00 |
| 3.4.C - Final Right of Way Plans | | | | | | | | | | | | | |
| 3.4.C.A Final Right of Way Plans | | | | | | | | | | | | | \$0.00 |
| 3.4.C.B- Field Review & Verify Property Owners | | | | | | | | | | | | | \$0.00 |
| 3.4.C.C - Record Centerline Plat and all appropriate documents | | | | | | | | | | | | | \$0.00 |
| 3.4.C.D - Set R/W Pins after acquisition | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.4 - Right of Way Plans | | | | | | | | | | | | | \$0 |
| 3.5 - Prepare Environmental Document | | | | | | | | | | | | | |
| 3.5.A - Prepare Environmental Document | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.5 - Prepare Environmental Document | | | | | | | | | | | | | \$0 |
| 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | | | | | | | | | | | | \$0.00 |
| TOTAL 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | | \$0 |
| 3.7 - Final Mitigation Plans Coordination | | | | | | | | | | | | | |
| 3.7.A - Mitigation for Cultural Resources | | | | | | | | | | | | | \$0.00 |
| 3.7.B - Mitigation for Streams | | | | | | | | | | | | | \$0.00 |
| 3.7.C - Mitigation for Wetlands | | | | | | | | | | | | | \$0.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|---|--|-------------------------|---------|--------------|---------|--------|--------------------|-------------------|------------------|---------------|----------------------|----------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| 3.7.D - Mitigation Plan for Other Features | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | \$0.00 |
| TOTAL 3.7 - Final Mitigation Plans Coordination | | | | | | | | | | | | \$0 |
| 3.8 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | |
| 3.8.A - Roadway/Interchange Costs | | | | | | | 6 | | | | | \$90.00 |
| 3.8.B- Structures Costs | | | | | | | | | | | | \$0.00 |
| 3.8.C- Utility Costs | | | | | | | | | | | | \$0.00 |
| TOTAL 3.8 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | \$90 |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | |
| 3.9.A - Meetings | | 50 | | | | | | | | | | \$28.50 |
| 3.9.B - General Oversight | | | | | | | 12 | | | | | \$180.00 |
| 3.9.C - Project Set Up | | | | | | | | | | | | \$0.00 |
| 3.9.D - Non Routine (Soft) Items | | | | | | | | | | | | \$0.00 |
| TOTAL 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | \$209 |
| 3.10 - Limited Review | | | | | | | | | | | | |
| 3.10.A - QA/QC for Limited Review | | | | | | | | | | | | \$0.00 |
| TOTAL 3.10 - Limited Review | | | | | | | | | | | | \$0 |
| Total - 3 Environmental Engineering Phase | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | \$3,284 |
| 4 - Final Engineering and R/W Phase | | | | | | | | | | | | |
| 4.1 - Right of Way Acquisition | | | | | | | | | | | | |
| 4.1.A - Right of Way Acquisition | | | | | | | | | | | | \$0.00 |
| TOTAL 4.1 - Right of Way Acquisition | | | | | | | | | | | | \$0 |
| 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | | |
| 4.2.A - Quantities and Notes | | | | | | | | | | | | |
| 4.2.A.A - Pavement Subsummary | | | | | | | | | | | | \$0.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|---|--|-------------------------|---------|--------------|---------|--------|--------------------|-------------------|------------------|---------------|----------------------|----------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| 4.2.A.B - Drainage Subsummary | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | \$90.00 |
| 4.2.A.C - Roadway Subsummary | | | | | | | 6 | | | | | \$135.00 |
| 4.2.A.D - Not used | | | | | | | 9 | | | | | \$0.00 |
| 4.2.A.E - Maintenance of Traffic Subsummary | | | | | | | 2 | | | | | \$30.00 |
| 4.2.A.F - Pavement Marking Subsummary | | | | | | | 8 | | | | | \$120.00 |
| 4.2.A.G - Signing Subsummary | | | | | | | 8 | | | | | \$120.00 |
| 4.2.A.H - Signal Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.A.I - Noise Wall Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.A.J - Retaining Wall Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.A.K - Lighting Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.A.L - Landscape Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.A.M - General Summary Sheet | | | | | | | 24 | | | | | \$360.00 |
| 4.2.A.N - Bridge Estimated Quantities Sheet | | | | | | | | | | | | \$0.00 |
| 4.2.A.O - Reinforcing Steel Schedule | | | | | | | | | | | | \$0.00 |
| 4.2.A.P - General Notes | | | | | | | | 2 | | | | \$30.00 |
| 4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet) | | | | | | | | 6 | | | | \$90.00 |
| 4.2.A.R - Lighting Notes | | | | | | | | | | | | \$0.00 |
| 4.2.A.S - Bridge General Notes | | | | | | | | | | | | \$0.00 |
| 4.2.A.T - Fencing Plan Subsummary | | | | | | | | | | | | \$0.00 |
| 4.2.B - Traffic Signal Plans & ITS Plans | | | | | | | | | | | | \$0.00 |
| 4.2.B.A - Wiring diagram & pole orientation | | | | | | | | | | | | \$0.00 |
| 4.2.B.B - Timing Chart | | | | | | | | | | | | \$0.00 |
| 4.2.B.C - Elevation Views of Mast Arm Poles | | | | | | | | | | | | \$0.00 |
| 4.2.B.D - Traffic Signal Signs | | | | | | | | | | | | \$0.00 |
| 4.2.C - Signing Plans | | | | | | | | | | | | \$60.00 |
| 4.2.C.A - Signing Plans | | | | | | | 4 | | | | | \$0.00 |
| 4.2.C.B - Elevation View of Major Signs | | | | | | | | | | | | \$0.00 |
| 4.2.C.C - SignCAD | | | | | | | | | | | | \$0.00 |
| 4.2.D - Miscellaneous | | | | | | | | | | | | \$0.00 |
| 4.2.D.A - Obtain Railroad Agreement | | | | | | | | | | | | \$0.00 |
| 4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance | | | | | | | | | | | | \$0.00 |
| 4.2.D.C - Project Site Plan | | | | | | | 3 | | | | | \$45.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|--|--|-------------------------|---------|--------------|---------|--------|--------------------|-------------------|------------------|---------------|----------------------|----------|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total |
| 4.2.D.D - Update Systems Engineering Analysis | | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | \$0.00 |
| 4.2.D.E - Baseline Construction Schedule | | | | | | | | | | | | \$0.00 |
| 4.2.D.F - Not used | | | | | | | | | | | | \$0.00 |
| 4.2.D.G - Title Sheet | | | | | | | | 2 | | | | \$30.00 |
| 4.2.E - Lighting Plans | | | | | | | | | | | | |
| 4.2.E.A - Lighting Details | | | | | | | | | | | | \$0.00 |
| 4.2.E.B - Lighting Details - Underpass Lighting | | | | | | | | | | | | \$0.00 |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | | \$1,110 |
| 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | |
| 4.3.A - Roadway/Interchange Costs | | | | | | | | 6 | | | | \$90.00 |
| 4.3.B- Right of Way | | | | | | | | | | | | \$0.00 |
| 4.3.C- Structures Costs | | | | | | | | | | | | \$0.00 |
| 4.3.D - Utility Costs | | | | | | | | | | | | \$0.00 |
| TOTAL 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | | | | | | | | \$90 |
| 4.4 - Final Plan Package | | | | | | | | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | | | 100 | 100 | | | 7 | | | | \$320.00 |
| 4.4 - Final Plan Package | | | | | | | | | | | | \$320 |
| 4.5 - Project Management for Final Engineering and Right of Way | | | | | | | | | | | | |
| 4.5.A - Meetings | | | 25 | | | | | | | | | \$14.25 |
| 4.5.B - General Oversight | | | | | | | | 15 | | | | \$225.00 |
| 4.5.C - Project Set Up | | | | | | | | | | | | \$0.00 |
| 4.5.D - Non Routine (Soft) Items | | | | | | | | | | | | \$0.00 |
| TOTAL 4.5 - Project Management for Final Engineering and Right of Way Phase | | | | | | | | | | | | \$239 |
| 4.6 - Pre-Bid Activities | | | | | | | | | | | | |
| 4.6.A - Pre-Bid Questions | | | | | | | | 5 | | | | \$75.00 |
| TOTAL 4.6 - Pre-Bid Activities | | | | | | | | | | | | \$75 |
| 4.7 - Limited Review | | | | | | | | | | | | |
| 4.7.A - QA/QC for Limited Review | | | | | | | | | | | | \$0.00 |

| C-R-S | | HAM-CR284-1.33 | | DIRECT COSTS | | | | | | | Version: Feb 2017 | |
|---|------------|-------------------------|--------|--------------|--------|--------------------|-------------------|------------------|---------------|---------------|----------------------|--|
| Consultant: | | Strand Associates, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | | | | | | | | | |
| Modification No. | | 1 | | | | | | | | | | |
| PID No. | | 107130 | | | | | | | | | | |
| Proposal Date | | 8/12/2020 | | | | | | | | | | |
| Task Description | Unit Cost: | Mileage | Prints | Copies | Meals | Postage/Deliveries | Technology Charge | Turning Movement | Direct Cost 8 | Direct Cost 9 | Total | |
| 4.7 - Limited Review | \$0.57 | \$2.00 | \$0.15 | \$12.00 | \$0.50 | \$15.00 | \$30.00 | | | | \$0 | |
| TOTAL - Final Engineering Phase | | 0 | 0 | 0 | 0 | 0 | 0 | | | | \$1,834 | |
| 5 - Construction Phase | | | | | | | | | | | | |
| 5.1 - On-going Services during Construction | | | | | | | | | | | | |
| 5.1.A - On-going Services During Construction | | | | | | | | | | | | |
| TOTAL 5.1 - On-going Services during Construction | | | | | | | | | | | | |
| TOTAL - Construction Phase | | | | | | | | | | | | |
| TOTAL AUTHORIZED PARTS | | | | | | | | | | | | |
| IF-AUTHORIZED TASKS: | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTAL IF-AUTHORIZED PARTS | | | | | | | | | | | | |
| GRAND TOTAL | | | | | | | | | | | | |

| C-R-S | | HAM-CR284-1.33 | | | | | | |
|--|-------------------------|-----------------------|------|-----|---------------|--|--|--|
| Consultant: | Strand Associates, Inc. | Consultant | ODOT | LPA | If-Authorized | Narrative | | |
| Agreement No. | 0 | | | | | | | |
| Modification No. | 1 | | | | | | | |
| PID No. | 107130 | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | |
| Task Description | | | | | | | | |
| Copy task in scope from the Labor Rates_Cost Proposal Tab | | X | X | X | X | Add Narratives as needed here | | |
| 3 - Environmental Engineering Phase | | | | | | | | |
| 3.1 - Environmental Field Studies and Refined Impacts | | | | | | | | |
| 3.1.A - Phase I Cultural Archaeological | | | | | | | | |
| 3.1.B - Phase II Cultural Resource History/Architecture Survey | | | | | | | | |
| 3.1.C - Section 4 (f) Determination | | | | | | | | |
| 3.1.D - Phase I Environmental Site Assessment | | | | | | | | |
| 3.1.E - Farmland Studies | | | | | | | | |
| 3.1.F - Secondary and Cumulative Review | | | | | | | | |
| 3.1.G - Address NEPA Specific Environmental Justice Issues | | | | | | | | |
| 3.1.H - Relocation Assistance Program Conceptual Survey | | | | | | | | |
| 3.1.I - Biological Assessment for Federally Listed Species | | | | | | | | |
| 3.1.J Not Used | | | | | | | | |
| 3.1.K- Determine Right of Way Encroachments | | | | | | | | |
| 3.1.L - Determine Potential Right of Way from Railway | | | | | | | | |
| 3.1.M- Waterway Permit | | | | | | | | |
| 3.1.N- Stream and Wetland Opportunities Inventory Report | | | | | | | | |
| 3.1.O- Phase II Environmental Site Assessment | | | | | | | | |
| 3.1.P- Air Quality Analyses | | | | | | | | |
| 3.1.Q - Mussel Survey | | | | | | | | |
| 3.1.R - FIS Analysis, Revisions, and Coordination | | | | | | | | |
| 3.2 - Stage 1 Value Engineering | | | | | | | | |
| 3.2.A - Value Engineering Study and Report | | | | | | | | |
| 3.3 - Stage2 | | | | | | | | |
| 3.3.A - Roadway | | | | | | | | |
| 3.3.A.A - Title Sheet | | X | | | | - Complexity is low - 1-2 design designations - CFG offers 4 hrs | | |
| 3.3.A.B - Schematic | | | X | | | - Complexity is medium - intersection and multiple alignments/baselines required for roundabout construction - CFG offers 6 hrs/sheet (hours are based on one sheet however multiple sheets will be required to display alignment and curve data) | | |
| 3.3.A.C - General Notes | | X | | | | - Complexity is low - local project with minimal number of anticipated environmental commitments - CFG offers 8 hrs; suggest 6 hours | | |

| | | | | | |
|---|---|--|--|--|---|
| 3.3.A.D - Typical Sections | X | | | | <ul style="list-style-type: none"> - Have a total of 6 sections: 2 existing and 4 proposed - Complexity is low for 2 existing sections - Complexity is medium for 4 proposed sections - CFG offers 2 hrs/section for low and 4 hrs/section for medium; 2*2 + 4*4=20 |
| 3.3.A.E- Plan and Profile - Mainline | X | | | | <ul style="list-style-type: none"> - Will have 2 plan sheets and 4 profile sheet; total = 6 - Complexity is medium due to impact to driveways and right-of-way takes/impacts - CFG offers 12 hrs/sheet: 6*12=72 |
| 3.3.A.F - Plan and Profile - Crossroads | | | | | |
| 3.3.A.G - Plan and profile - Ramps | | | | | |
| 3.3.A.H - Cross Sections | X | | | | <ul style="list-style-type: none"> - Complexity is low - Anticipate approximately 20 sections - CFG offers 1 hrs/section: 20*1=20 |
| 3.3.A.I - Intersection Details | X | | | | <ul style="list-style-type: none"> - Complexity is high because task will include truck turning movements, cross slope transitions, and final roundabout design parameter calculations (fastest path speeds, sight distance calculations, phi angle, etc) - CFG offers 20 hrs/intersection: 20*1=20 |
| 3.3.A.J- Interchange Geometrics & Details | | | | | |
| 3.3.A.K - Limited Access Fencing Plan | | | | | |
| 3.3.B - Drainage | | | | | |
| 3.3.B.A - Storm Sewer Profiles | X | | | | <ul style="list-style-type: none"> - Minimal storm sewer is anticipated (10 stations) - Complexity is low, minimal storm sewer design - CFG offers 0.25 hrs/sta: 10*0.25=2.5 |
| 3.3.B.B - Culvert Detail Sheets including headwall and wingwall details | | | | | |
| 3.3.B.C - Channel Relocation Details | | | | | |
| 3.3.B.D - Underdrain details | X | | | | <ul style="list-style-type: none"> - 10 stations - Complexity is low - CFG offers 0.25 hrs/sta: 10*0.25=2.5 |
| 3.3.B.E - BMP Details | X | | | | <ul style="list-style-type: none"> - Due to limited space, anticipate manufactured system will be required - Complexity is medium - CFG offers 0.25 hrs/sta: 6*0.25=1.5 |
| 3.3.B.F - Temporary Drainage (MOT) | | | | | |
| 3.3.B.F.1 - Temporary Drainage (MOT) - Adding Temporary Drainage to Plans | | | | | |
| 3.3.B.F.2 - Temporary Drainage (MOT) - MOT Drainage Calculations | | | | | |
| 3.3.B.F.3 - Temporary Drainage (MOT) - Culvert Phasing Details | | | | | |
| 3.3.B.F.4 - Temporary Drainage (MOT) - Temporary Shoring | | | | | |
| 3.3.C - Traffic Control | | | | | |
| 3.3.C.A - Pavement Marking Plan | X | | | | <ul style="list-style-type: none"> - Complexity is low - 2 sheets (combined pavement marking and signing) - CFG offers 5-7 hrs/sheet for markings and 7-10 hrs/sheet for signing. Because combined use lowest end of range; 12 hrs/sheet: 2*12=24 |
| 3.3.C.B - Signing Plan | | | | | |
| 3.3.D - Signals & ITS | | | | | |
| 3.3.D.A - Signal Plan Sheets | | | | | |
| 3.3.D.B - Interconnect Details | | | | | |
| 3.3.D.C - Systems Engineering Analysis | | | | | |
| 3.3.D.D - ITS (Traffic Surveillance) Plan Sheets | | | | | |
| 3.3.E - Maintenance of Traffic | | | | | |
| 3.3.E.A - MOT General Notes | X | | | | <ul style="list-style-type: none"> - Complexity is low - assume 2 sheets - CFG offers 4 hrs/sheet; suggest 1.5 hrs/sheet: 4*1.5=6 |
| 3.3.E.B - Detour Plan- Custom Guide Signs | X | | | | <ul style="list-style-type: none"> - Anticipate a detour for the south leg of the intersection (Deerfield Rd) - Complexity is low; short detour and less than 12 signs are anticipated - CFG offers 12 hrs/detour; Suggest 6 hrs: 1*6=6 |
| 3.3.E.C - Pedestrian/Bike Lane Detour - Plan Sheet | X | | | | <ul style="list-style-type: none"> - Sidewalk on the south side of Pfeiffer Rd will need to be detoured during one phase of construction - Same detour will be utilized for both directions - CFG offers 4 hrs per detour per direction: 1*4=4 |
| 3.3.E.D - Temporary Signing Details | | | | | |

| | | | | | |
|---|---|--|--|--|--|
| 3.3.E.E - MOT Typical Sections | X | | | | - Complexity is low - assume 2 primary phases and 3 sections per phase (6 total sections) - CFG offers 2 hrs/typical; suggest 1 hr/typical. 6*1=6 |
| 3.3.E.F - MOT Plan Sheets | X | | | | - Complexity is low - assume 2 primary phases and 3 sheets per phase (6 total sheets) - CFG offers 24 hrs/sheet; suggest 12 hours per sheet. 6*12=72 |
| 3.3.E.G - Temporary Signal Details (Modification of Existing or Proposed Signal) | | | | | |
| 3.3.E.G.1 - Temporary Signal Details (Modification of Existing or Proposed Signal) – Adjustments of Heads, Timing & Detection | | | | | |
| 3.3.E.G.2 - Temporary Signal Details (Modification of Existing or Proposed Signal) - Temporary Pole Placement | | | | | |
| 3.3.E.H - New Temporary Signal | | | | | |
| 3.3.E.H.1 - New Temporary Signal – Head Placement, Timing & Detection | | | | | |
| 3.3.E.H.2 - New Temporary Signal - Temporary Pole Placement & Power Source | | | | | |
| 3.3.E.I - Signalized Closures | | | | | |
| 3.3.E.J - MOT Coordination Discussions | | | | | |
| 3.3.E.K - MOT Constructability Coordination | | | | | |
| 3.3.E.L - Temporary Pavement Sections and Earthwork | | | | | |
| 3.3.E.M - Crossover Plan and Profile | | | | | |
| 3.3.E.M.1 - Crossover Plan and Profile - Horizontal & Vertical Design, Superelevation Design & Table | | | | | |
| 3.3.E.M.2 - Crossover Plan and Profile - Plan & Profile Sheets | | | | | |
| 3.3.E.M.3 - Crossover Plan and Profile – Cross Section Sheets | | | | | |
| 3.3.E.N - MOT Temporary Access Details | | | | | |
| 3.3.E.N.1 - MOT Temporary Access Details - Temporary Drive Access | | | | | |
| 3.3.E.N.2 - MOT Temporary Access Details - Temporary Ramp Access | | | | | |
| 3.3.E.N.3 - MOT Temporary Access Details - Contractor Work Zone Access Details | | | | | |
| 3.3.E.O - Miscellaneous MOT Details | | | | | |
| 3.3.E.O.1 - Miscellaneous MOT Details - Plan Insert Sheets | | | | | |
| 3.3.E.O.2 - Miscellaneous MOT Details - Custom Detailing | | | | | |
| 3.3.E.P - PIAC/Incentive Funds Request | | | | | |
| 3.3.F - Lighting Plan | | | | | |
| 3.3.F.A - Lighting Analysis | | | | | See CMT Proposal |
| 3.3.F.B - Power/Circuit Layout & Details | | | | | See CMT Proposal |
| 3.3.F.C - Lighting Plan and Details | | | | | See CMT Proposal |
| 3.3.F.D - Voltage Drop Calculations | | | | | See CMT Proposal |
| 3.3.F.E - Power Service | | | | | See CMT Proposal |
| 3.3.G - Landscape Plan | | | | | |
| 3.3.G.A - Landscape Plan and Details | X | | | | - CFG offers no guidance; suggest 6 hours for 1 sheet |
| 3.3.G.B - General Notes | | | | | |
| 3.3.H - Noise Wall Details | | | | | |
| 3.3.I - Bridge Plans (break out for each bridge separately) | | | | | |
| 3.3.I.A Bridge Plans | | | | | |
| 3.3.I.B Structure Rating | | | | | |
| 3.3.J - Utilities | | | | | |

| | | | | | |
|---|---|--|--|--|---|
| 3.3.J.A - Utility Coordination and Documentation | X | | | | - Complexity is medium - CFG offers 24 hrs/project; suggest 16 hours: 1*16=16 |
| 3.3.J.B - Water Works Plan | | | | | |
| 3.3.J.C - Water Works Details & Notes | | | | | |
| 3.3.J.D - Sanitary Sewer Plans | | | | | |
| 3.3.K - Geotechnical Services | | | | | |
| 3.3.K.A - Finalize Geotechnical Investigation and Report | | | | | |
| 3.4 - Right of Way Plans | | | | | |
| 3.4.A Conceptual Right of Way Plan Review | | | | | |
| 3.4.B - Preliminary Right of Way Plans | | | | | |
| 3.4.B.A - Legend Sheet | | | | | |
| 3.4.B.B - Centerline Survey Plat | X | | | | See Berding Proposal |
| 3.4.B.C - Property Map | X | | | | See Berding Proposal |
| 3.4.B.D - Summary of Additional Right of Way | X | | | | See Berding Proposal |
| 3.4.B.E - Detailed ROW Plan Sheets | X | | | | See Berding Proposal |
| 3.4.B.F - Special Plats | | | | | |
| 3.4.B.G - Legal Descriptions and Closure Calculations | X | | | | See Berding Proposal |
| 3.4.B.H - Right-of-Way Acquisition Estimate | | | | | |
| 3.4.B.I - Field Review | | | | | |
| 3.4.C - Final Right of Way Plans | | | | | |
| 3.4.C.A Final Right of Way Plans | X | | | | See Berding Proposal |
| 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 RW Pins after acquisition | | | | | |
| 3.5 - Prepare Environmental Document | | | | | |
| 3.5.A - Prepare Environmental Document | | | | | See CMT Proposal |
| 3.6 - Environmental Commitments and Plan Notes | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | | | | See CMT Proposal |
| 3.7 - Final Mitigation Plans Coordination | | | | | |
| 3.7.A - Mitigation for Cultural Resources | | | | | |
| 3.7.B - Mitigation for Streams | | | | | |
| 3.7.C - Mitigation for Wetlands | | | | | |
| 3.7.D - Mitigation Plan for Other Features | | | | | |
| 3.8 - Prepare Cost Estimates and Revise Milestone | | | | | |
| 3.8.A - Roadway/Interchange Costs | X | | | | - Complexity is low due to minimal roadway work - CFG offers offers 20 hrs/project; Suggest 12 hrs: 12*1=12 |
| 3.8.B- Structures Costs | | | | | |
| 3.8.C- Utility Costs | | | | | |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | |
| 3.9.A - Meetings | X | | | | - Anticipate 1 design coordination meeting in this phase - Anticipate 2 Strand staff (PM and lead engineer), 2 hrs/mtg, 0.5 hr travel time/mtg - Suggest: (2 people*(2 hr mtg+0.5hr travel time))*2 mtgs=10 |

| | | | | | |
|---|---|--|--|--|---|
| 3.9.B - General Oversight | | | | | - Complexity is low because little assistance is anticipated for PM to manage the project - Higher end of range is used to allow for more frequent client coordination regarding status updates, design decision documentation, etc - Notice to Proceed (anticipated 9/1/2020) through completion of Stage 2 (anticipated 1/11/2021) is 4 months; only 2 months are anticipated to be full effort and 2 months anticipated at 2 hrs/mth - CFG offers 12 hrs/mth for full effort: 2*12 + 2*2=26 |
| 3.9.C - Project Set Up | X | | | | |
| 3.9.D - Non Routine (Soft) Items | | | | | |
| 3.10 - Limited Review | | | | | |
| 3.10.A - QA/QC for Limited Review | | | | | |
| | | | | | |
| | | | | | |
| 4 - Final Engineering and R/W Phase | | | | | |
| 4.1 - Right of Way Acquisition | | | | | |
| 4.1.A - Right of Way Acquisition | X | | | | See Heritage Proposal |
| | | | | | |
| 4.2 - Stage 3 Detailed Design Plans | | | | | |
| 4.2.A - Quantities and Notes | | | | | |
| 4.2.A.A - Pavement Subsummary | | | | | |
| 4.2.A.B - Drainage Subsummary | X | | | | - Complexity is low - CFG offers 8 hrs/sheet; Anticipate 1 sheet; hours: 1*8=8 - Complexity is low |
| 4.2.A.C - Roadway Subsummary | X | | | | - CFG offers 18 hrs/sheet; Anticipate 1 sheet; hours: 1*18=18 |
| 4.2.A.D - Not used | | | | | |
| 4.2.A.E - Maintenance of Traffic Subsummary | X | | | | - Complexity is low - CFG offers 0.5 hrs/MOT sheet; Anticipate 6 MOT sheets; hours: 6*0.5=3 |
| 4.2.A.F - Pavement Marking Subsummary | X | | | | - Complexity is low - CFG offers 17 hrs/sheet; Suggest 12 hrs/sheet; Anticipate 1 sheet; hours: 1*12=12 |
| 4.2.A.G - Signing Subsummary | X | | | | - Complexity is low - CFG offers 17 hrs/sheet; Suggest 12 hrs/sheet; Anticipate 1 sheet; hours: 1*12=12 |
| 4.2.A.H - Signal Subsummary | | | | | |
| 4.2.A.I - Noise Wall Subsummary | | | | | |
| 4.2.A.J - Retaining Wall Subsummary | | | | | |
| 4.2.A.K - Lighting Subsummary | X | | | | See CMT Proposal |
| 4.2.A.L - Landscape Subsummary | | | | | |
| 4.2.A.M - General Summary Sheet | X | | | | - Complexity is low - CFG offers 18 hrs/sheet; suggest 12 hrs/sheet; Anticipate 2 sheets; hours: 2*12=24 |
| 4.2.A.N - Bridge Estimated Quantities Sheet | | | | | |
| 4.2.A.O - Reinforcing Steel Schedule | | | | | |
| 4.2.A.P - General Notes | X | | | | - Complexity is low - CFG offers 4 hrs |
| 4.2.A.Q - Driveway Subsummary or Driveway Details (if included on same sheet) | X | | | | - Complexity is medium - CFG offers 8hrs |
| 4.2.A.R - Lighting Notes | X | | | | See CMT Proposal |
| 4.2.A.S - Bridge General Notes | | | | | |
| 4.2.A.T - Fencing Plan Subsummary | | | | | |
| 4.2.B - Traffic Signal Plans & ITS Plans | | | | | |
| 4.2.B.A - Wiring diagram & pole orientation | | | | | |
| 4.2.B.B - Timing Chart | | | | | |
| 4.2.B.C - Elevation Views of Mast Arm Poles | | | | | |
| 4.2.B.D - Traffic Signal Signs | | | | | |
| 4.2.B.E - ITS (Traffic Surveillance) | | | | | |
| 4.2.C - Signing Plans | | | | | |

| | | | | | |
|---|---|--|--|--|--|
| 4.2.C.A - Signing Plans | X | | | | - Complexity is low - CFG offers 3 hrs/sheet, Anticipate 2 sheets; hours: 3*2=6 |
| 4.2.C.B - Elevation View of Major Signs | | | | | |
| 4.2.C.C - SignCAD | | | | | |
| 4.2.D - Miscellaneous | | | | | |
| 4.2.D.A - Obtain Railroad Agreement | | | | | |
| 4.2.D.B - Prepare FAA Form 7460-1 for Airway/Highway Clearance | | | | | |
| 4.2.D.C - Project Site Plan | X | | | | - Complexity is low - CFG offers no guidance; suggest 4 hours |
| 4.2.D.D - Update Systems Engineering Analysis | | | | | |
| 4.2.D.E - Baseline Construction Schedule | | | | | |
| 4.2.D.F - Not used | | | | | |
| 4.2.D.G - Title Sheet | X | | | | - Complexity is low - CFG offers 8 hrs; Suggest 4 hours |
| 4.2.E - Lighting Plans | | | | | |
| 4.2.E.A - Lighting Details | X | | | | See CMT Proposal |
| 4.2.E.B - Lighting Details - Underpass Lighting | | | | | |
| 4.3 - Prepare Cost Estimates and Revise Milestone | | | | | |
| 4.3.A - Roadway/Interchange Costs | X | | | | - Complexity is low due to minimal roadway work - CFG offers offers 16 hrs/project; Suggest 12 hrs: 12*1=12 |
| 4.3.B - Right of Way | | | | | |
| 4.3.C - Structures Costs | | | | | |
| 4.3.D - Utility Costs | | | | | |
| 4.4 - Final Plan Package | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | X | | | | - CFG offers offers 0.25 hours per plan sheet; Anticipate 44 sheets; hours: 44*0.25= |
| 4.4 - Final Plan Package | | | | | |
| 4.5 - Project Management for Final Engineering and Right of Way Phase | | | | | |
| 4.5.A - Meetings | X | | | | - Anticipate 1 design coordination meeting in this phase - Anticipate 2 Strand staff (PM and lead engineer), 2 hrs/mtg, 0.5 hr travel time/mtg - Suggest: (2 people*(2 hr mtg+0.5hr travel time))*1 mtg=5 |
| 4.5.B - General Oversight | X | | | | - Complexity is low because little assistance is anticipated for PM to manage the project - Higher end of range is used to allow for more frequent client coordination regarding status updates, design decision documentation, etc - Anticipated 1/11/2021 through completion of Final Tracings (anticipated 1/3/2022) is 12 months; only 3 months is anticipated to be full effort and 9 months anticipated at 2 hrs/mth - CFG offers 5 hrs/mth for full effort: 3*5 + 9*2=33 |
| 4.5.C - Project Set Up | | | | | |
| 4.5.D - Non Routine (Soft) Items | | | | | |
| 4.6 - Pre-Bid Activities | | | | | |
| 4.6.A - Pre-Bid Questions | X | | | | Assume 5 questions at 2 hours per question |
| 4.7 - Limited Review | | | | | |
| 4.7.A - QA/QC for Limited Review | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | | |
|---|---|--|--|--|--|
| 5 - Construction Phase | | | | | |
| 5.1.A - On-going Services During Construction | X | | | | Assume 3 hours per month for construction season (7/1/2022 - 11/1/2022) and (3/1/2023 - 7/1/2023) = 8 months 8*3=24 |

Subconsultant Proposal - Berding Surveying

Berding Surveying



GPS Surveying • 3D Laser Scanning

AN AGREEMENT FOR THE PROVISION OF LIMITED PROFESSIONAL SURVEYING AND 3D-SCANNING SERVICES

July 27, 2020

Strand Associates, Inc.
Jeff Heimann, P.E.
1475 Elsinore Pl.
Cincinnati, OH 45202

SUBJECT: Pfeiffer & Deerfield Roundabout (PID 107130) – Right of Way Plan Development

Dear Jeff,

Thank you for reaching out to Berding Surveying for the preparation of right-of-way plans on the round-a-bout project at Deerfield Road and Pfeiffer Road, PID referenced above. Based upon the information provided, see "Exhibit A", below is an outline and scope of the services we anticipate providing.

RIGHT OF WAY PLAN DEVELOPMENT

A set of right of way plans will be developed which entail the Deerfield Road/Pfeiffer Road Roundabout project in the City of Montgomery. The lineal length of the right of way plan is about 500 on Deerfield Road and 500 feet on Pfeiffer Road, centered over the intersection.

We anticipate there may be 6 properties (5 ownerships) that could be impacted by the improvement and require temporary easements and/or right of way. Additionally, the church on the northeast quadrant will want to retain the remainder of the impacted residential parcel they hold title to. A residue plat and legal description will be developed for the remainder of the parcel to facilitate a later transfer.

To enable ease in reading we anticipate preparing both a topographic plan sheet and boundary sheet 8 pages total. In addition, the plan set will include: Cover / Legend Sheet, Centerline of Survey Plat, Property Map and Area Summary of Additional Right of Way Sheet. The centerline plat will be filed with the Hamilton County Recorder's Office. Legal descriptions and closure reports will be delivered for all permanent and temporary easements or takes.

G.J. Berding Surveying, Inc.

741 Main Street • Milford, OH 45150 • 513 831 5505 tel • 513 831 6761 fax • www.berdingsurveying.com

July 27, 2020
City of Montgomery,
Pfeiffer & Deerfield Roundabout (PID 107130)
Page 2

Timeframe and Fee: The time frame to complete the work will coincide with your schedule and the schedule outlined by ODOT.

Base map \$10,448 (FEE Breakdown attached)

If Authorized Task: Stake right of way and curb at two properties: \$800

Respectively,
Berding Surveying, Inc.

Authorized by: (client)

Tim Schwoeppe 07/27/2020
Tim Schwoeppe, PS Date

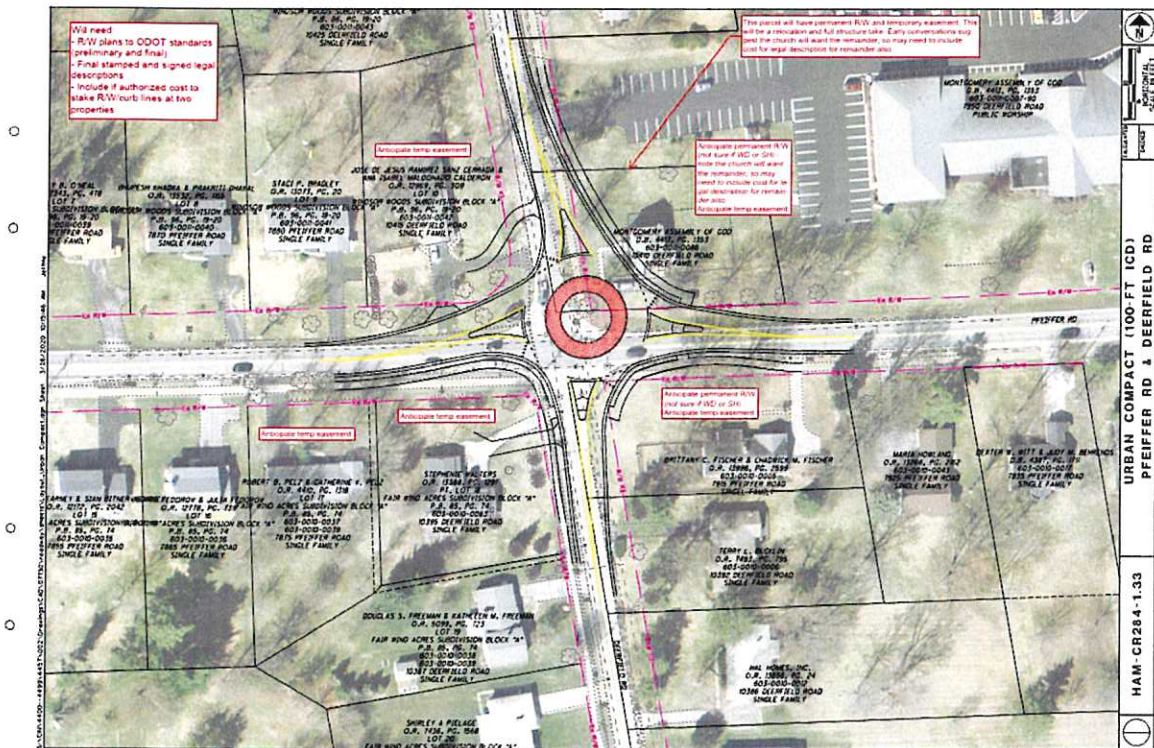
Signature Date

Fee Breakdown

EXHIBIT of HOURS AND HOURLY RATES ASSOCIATED WITH DEERFIELD/PFEIFFER ROAD IMPROVEMENTS.

| | Personnel / Estimated Hours | | | | Direct Labor Cost | | | | Berding Overhead | ODOT FEE Calc. | Total Cost Plus Net Fee |
|--|-----------------------------|-------------|-------------------|-------------|-----------------------|---------------|---------------------|----------------|------------------|-------------------------|-------------------------|
| | PM / Chief Surveyor | Survey Crew | CAD / survey tech | Total Hours | PM / Chief Surveyor @ | Survey Crew @ | CAD / survey tech @ | Labor Cost | | | |
| | | | | | \$35 | \$46 | \$30 | | 182.95% | 156.68% | |
| Base Map Preparation | | | | | | | | | | | |
| Reimbursements (Travel, Per Diems) | | | | | | | | | | | \$0.00 |
| Project Control | 0 | 0 | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Property Records and Utility Research | 0 | | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Topo / location survey, | 0 | 0 | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Utility locations, investigations | | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Right of way & property line location & resolution | 0 | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Base Map Preparation, utility plots | 0 | | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Aerial Lidar Service provider | | | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total Base Map Preparation | 0 | 0 | 0 | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| | Personnel / Estimated Hours | | | | Direct Labor Cost | | | | Overhead Cost @ | Profit Based on WL'd OH | Total Cost Plus Net Fee |
| | PM / Chief Surveyor | Survey Crew | CAD / survey tech | Total Hours | PM / Chief Surveyor @ | Survey Crew @ | CAD / survey tech @ | Labor Cost | | | |
| | | | | | \$35 | \$46 | \$29 | | 182.95% | 151.58% | |
| Preliminary and Final Right-of-Way Plans | | | | | | | | | | | |
| Right-of-Way Plans | | | | | | | | | | | |
| Cover/Legend Centerline Survey Plat | 4 | | 16 | 20 | \$140 | \$0 | \$464 | \$604 | \$1,105 | \$171 | \$1,880 |
| Area Summary Sheet | 3 | | 8 | 11 | \$105 | \$0 | \$232 | \$337 | \$617 | \$95 | \$1,049 |
| Property Map | 2 | | 8 | 10 | \$70 | \$0 | \$232 | \$302 | \$553 | \$85 | \$940 |
| Detailed R/W Plan Sheets | 8 | | 24 | 32 | \$280 | \$0 | \$696 | \$976 | \$1,786 | \$276 | \$3,038 |
| Legal Descriptions (based on ~6 impacted parcels) | 8 | | 18 | 26 | \$280 | \$0 | \$522 | \$802 | \$1,467 | \$226 | \$2,495 |
| Stake RW corners based on ~6 parcels | | | | 0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 | \$0 |
| Plot on 18x24 for recording purposes | 2 | 2 | 6 | 10 | \$70 | \$92 | \$174 | \$336 | \$615 | \$95 | \$1,046 |
| Total Right-of-Way Plans | 27 | 2 | 80 | 109 | \$945 | \$92 | \$2,320 | \$3,357 | \$6,143 | \$948 | \$10,448 |

EXHIBIT A



G.J. Berding Surveying, Inc.

741 Main Street • Milford, OH 45150 • 513 831 5505 tel • 513 831 6761 fax • www.berdingsurveying.com

PROFESSIONAL SERVICES TERMS AND CONDITIONS

ACCESS TO THE SITE

Unless otherwise stated, GJBSI will have access to the site for activities necessary for the performance of the survey. GJBSI will take reasonable precautions to minimize damages due to these activities but has not included in the fee the cost of restoration of any resulting damage.

FEE

The total fee, except stated lump sum shall be understood to be an estimate, based upon Scope of Service, and shall not be exceeded by more than ten percent, without written approval of the CLIENT. Where the fee arrangement is to be on an hourly basis, the rates shall be those that prevail at the time the services are rendered.

BILLINGS / PAYMENTS

GJBSI shall invoice CLIENT every month for the amounts due for professional services rendered and expenses incurred. CLIENT shall pay GJBSI the full amount due within thirty (30) calendar days of receipt of invoice. All past due amounts shall bear interest at the rate of one and one-half percent per month compounded monthly. All amounts due GJBSI shall be paid whether or not CLIENT makes use of the professional services rendered by or ordered by GJBSI on behalf of CLIENT; whether or not CLIENT receives compensation from others relative to the professional services rendered by or ordered by GJBSI on behalf of CLIENT and, in event of default on payment, CLIENT shall pay any and all reasonable collection charges and/or attorney fees.

INDEMNIFICATION

G.J. Berding Surveying, Inc. and the CLIENT agrees, to the fullest extent permitted by law, to indemnify and hold each other harmless from any and all damage, liability or cost (including reasonable attorneys' fees and cost of defense) to the extent caused by their own negligent acts, errors or omissions and those of anyone for whom they are legally liable, and arising from the project that is the subject of this agreement. Neither party is obligated to indemnify the other in any manner whatsoever for the other's own negligence.

RISK ALLOCATION

In recognition of the relative risks and benefits of the project to both the CLIENT and GJBSI, the CLIENT agrees that to the fullest extent permitted by law, to limit GJBSI's total liability to CLIENT, for any and all injuries, claims, losses, expenses and damages (including attorney's fees) arising out of this agreement from any cause or causes shall not exceed \$50,000 or the amount of GJBSI fee, whichever is greater.

TERMINATION OF SERVICES

This Agreement may be terminated by either party upon seven (7) calendar days written notice. In the event of termination, GJBSI shall be paid by CLIENT for all services performed up to the date of termination.

OWNERSHIP OF DOCUMENTS

All original documents and drawings developed by GJBSI on behalf of CLIENT shall remain the property of GJBSI. However, copies of all documents, including reproducible and electronic media, shall be furnished to CLIENT at cost.

THIRD PARTIES / OPINION RENDERED

All opinions and conclusions of GJBSI are for the sole use and benefit of the CLIENT. Nothing contained in this agreement shall create a contractual relationship with or a cause of action in favor of any third party against either GJBSI or the CLIENT.

DISPUTE RESOLUTION

Any claim or dispute between GJBSI and the CLIENT shall be submitted to non-binding mediation, subject to the parties agreeing to a mediator(s). Unless otherwise specified, this agreement shall be governed by the laws of the State of Ohio.

Initials: (GJBSI) (CLIENT)

(initial and return)

Subconsultant Proposal - Crawford, Murphy & Tilly

| C-R-S | | PROPOSAL LABOR SUMMARY | | | | | | | | Version: Feb 2017 | | | |
|---|--------------------------------|------------------------|----------------|-----------------|-----------------|----------|-------------|---------------|------------|----------------------|---------|-----|---------|
| Consultant: | HAM CR 284 1.33 | | | | | | | | | | | | |
| Agreement No. | Crawford, Murphy & Tilly, Inc. | | | | | | | | | | | | |
| Modification No. | | | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | | | |
| | | Principal | Sr Project Mgr | Project Eng/Mgr | Senior Engineer | Engineer | Senior Tech | Technician II | Admin Asst | Total | | | |
| Task Description | | \$69.23 | \$64.89 | \$53.18 | \$48.26 | \$30.90 | \$37.44 | \$33.68 | \$17.75 | Hours | Cost | | |
| AUTHORIZED TASKS: | | | | | | | | | | | | | |
| 1 - Planning Phase | | | | | | | | | | | | | |
| 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | | |
| 2.2.E - Underserved Population Evaluation | | | | | | | | | | | | | |
| | | | | | | | | | | 6 | \$319 | | |
| TOTAL 2.2 - Perform Environmental Field Studies | | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | \$319 | | |
| Total - 2 Preliminary Engineering Phase | | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 6 | 319 | | |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | | |
| 3.3.F - Lighting Plan | | | | | | | | | | | | | |
| 3.3.F.A - Lighting Analysis | | | | | | | | | | | | | |
| | | | | | | | | | | 20 | \$1,004 | | |
| 3.3.F.B - Power/Circuit Layout & Details | | | | | | | | | | | | | |
| | | | | | | | | | | 16 | \$674 | | |
| 3.3.F.C - Lighting Plan and Details | | | | | | | | | | | | | |
| | | | | | | | | | | 48 | \$2,096 | | |
| 3.3.F.D - Voltage Drop Calculations | | | | | | | | | | | | | |
| | | | | | | | | | | 6 | \$299 | | |
| 3.3.F.E - Power Service | | | | | | | | | | | | | |
| | | | | | | | | | | 6 | \$299 | | |
| TOTAL 3.3 - Stage2 | | 0 | 0 | 22 | 40 | 0 | 34 | 0 | 0 | 96 | \$4,373 | | |
| 3.5 - Prepare Environmental Document | | | | | | | | | | | | | |
| 3.5.A - Prepare Environmental Document | | | | | | | | | | | | | |
| | | | | | | | | | | 32 | 68 | 100 | \$4,248 |
| TOTAL 3.5 - Prepare Environmental Document | | 0 | 0 | 32 | 0 | 0 | 68 | 0 | 0 | 100 | \$4,248 | | |
| 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | | | | | | | | | | | | |
| | | | | | | | | | | 4 | 2 | 6 | \$280 |
| TOTAL 3.6 - Environmental Commitments and Plan Notes | | 0 | 0 | 4 | 0 | 0 | 0 | 2 | 0 | 6 | \$280 | | |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | | |
| 3.9.A - Meetings | | | | | | | | | | | | | |
| | | | | | | | | | | 4 | \$213 | | |
| 3.9.B - General Oversight | | | | | | | | | | | | | |
| | | | | | | | | | | 16 | \$851 | | |
| 3.9.C - Project Set Up | | | | | | | | | | | | | |
| | | | | | | | | | | 4 | \$213 | | |
| TOTAL 3.9 - Project Management for Environmental Engineering Phase | | 0 | 0 | 24 | 0 | 0 | 0 | 0 | 0 | 24 | \$1,276 | | |
| Total - 3 Environmental Engineering Phase | | 0 | 0 | 82 | 40 | 0 | 102 | 2 | 0 | 226 | 10,177 | | |
| 4 - Final Engineering and R/W Phase | | | | | | | | | | | | | |

| C-R-S | | PROPOSAL LABOR SUMMARY | | | | | | | | Version: Feb 2017 | |
|--|--------------------------------|------------------------|----------------|-----------------|-----------------|----------|-------------|---------------|------------|----------------------|----------|
| Consultant: | HAM CR 284 1.33 | | | | | | | | | | |
| Agreement No. | Crawford, Murphy & Tilly, Inc. | | | | | | | | | | |
| Modification No. | | | | | | | | | | | |
| PID No. | 107130 | | | | | | | | | | |
| Proposal Date | 8/12/2020 | | | | | | | | | | |
| | | Principal | Sr Project Mgr | Project Eng/Mgr | Senior Engineer | Engineer | Senior Tech | Technician II | Admin Asst | Total | |
| Task Description | | \$69.23 | \$64.89 | \$53.16 | \$48.26 | \$30.90 | \$37.44 | \$33.68 | \$17.75 | Hours | Cost |
| 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | |
| 4.2.A.K - Lighting Subsummary | | | | 4 | | | 8 | | | 12 | \$512 |
| 4.2.A.R - Lighting Notes | | | | 4 | | | 10 | | | 14 | \$587 |
| 4.2.E.A - Lighting Details | | | | 4 | | | 16 | | | 20 | \$812 |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | | 0 | 0 | 12 | 0 | 0 | 34 | 0 | 0 | 46 | \$1,911 |
| 4.4 - Final Plan Package | | | | | | | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | | | 4 | | | 6 | | | 10 | \$437 |
| 4.4 - Final Plan Package | | 0 | 0 | 4 | 0 | 0 | 6 | 0 | 0 | 10 | \$437 |
| TOTAL - Final Engineering Phase | | 0 | 0 | 16 | 0 | 0 | 40 | 0 | 0 | 56 | 2,348 |
| GRAND TOTAL BASE SCOPE | | 0 | 0 | 104 | 40 | 0 | 142 | 2 | 0 | 288 | \$12,845 |
| IF-AUTHORIZED TASKS: | | | | | | | | | | | |
| 2.2.G Noise Analysis | | | | 8 | | | 80 | | | 88 | \$3,421 |
| 2.2.I Phase I Cultural Resource Survey | | | | 4 | | | | | | 4 | \$213 |
| 3.1.D Regulated Materials Review Assessment (per site) | | | | 4 | | | 36 | | | 40 | \$1,561 |
| TOTAL IF-AUTHORIZED ENVIRONMENTAL PARTS | | 0 | 0 | 16 | 0 | 0 | 116 | 0 | 0 | 132 | \$5,194 |
| TOTAL IF-AUTHORIZED | | 0 | 0 | 16 | 0 | 0 | 116 | 0 | 0 | 132 | \$5,194 |
| GRAND TOTAL WITH IF-AUTHORIZED PARTS | | 0 | 0 | 120 | 40 | 0 | 258 | 2 | 0 | 420 | \$18,039 |

| C-R-S | | HAM CR 284 1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | |
|---|--|--------------------------------|----------------|-----------------------------|-------------------|------------------|-----------------|-----------------|----------------|-----------------|----------------------|--|
| Consultant: | | Crawford, Murphy & Tilly, Inc. | | | | | | | | | | |
| Agreement No. | | 0 | | State Average Overhead Rate | | | 156.68% | | | | | |
| Modification No. | | 0 | | Consultant Overhead Rate: | | | 167.73% | | | | | |
| PID No. | | 107130 | | Cost of Money: | | | 0.57% | | | | | |
| Proposal Date | | 8/12/2020 | | Net Fee Percentage: | | | 11% | | | | | |
| Task Description | | Average Hourly Rate | Total Hours | Labor Costs | Overhead Costs | Cost of Money | Direct Costs | Subcon Costs | Net Fee | Total Cost | | |
| AUTHORIZED TASKS: | | | | | | | | | | | | |
| 1 - Planning Phase | | | | | | | | | | | | |
| 2.2 - Perform Environmental Field Studies | | | | | | | | | | | | |
| 2.2.E - Underserved Population Evaluation | | \$53.18 | 6 | \$319 | \$535 | \$2 | \$0 | \$0 | \$90 | \$946 | | |
| TOTAL 2.2 - Perform Environmental Field Studies | | \$53.18 | 6 | \$319 | \$535 | \$2 | \$0 | \$0 | \$90 | \$946 | | |
| Total - 2 Preliminary Engineering Phase | | 53.1789 | 6 | \$319 | \$535 | \$2 | \$0 | \$0 | \$90 | \$946 | | |
| 3 - Environmental Engineering Phase | | | | | | | | | | | | |
| 3.3.F - Lighting Plan | | | | | | | | | | | | |
| 3.3.F.A - Lighting Analysis | | \$50.22 | 20 | \$1,004 | \$1,685 | \$6 | \$0 | \$0 | \$284 | \$2,979 | | |
| 3.3.F.B - Power/Circuit Layout & Details | | \$42.11 | 16 | \$674 | \$1,130 | \$4 | \$0 | \$0 | \$190 | \$1,998 | | |
| 3.3.F.C - Lighting Plan and Details | | \$43.67 | 48 | \$2,096 | \$3,516 | \$12 | \$0 | \$0 | \$592 | \$6,216 | | |
| 3.3.F.D - Voltage Drop Calculations | | \$49.90 | 6 | \$299 | \$502 | \$2 | \$0 | \$0 | \$85 | \$888 | | |
| 3.3.F.E - Power Service | | \$49.90 | 6 | \$299 | \$502 | \$2 | \$0 | \$0 | \$85 | \$888 | | |
| TOTAL 3.3 - Stage2 | | \$45.55 | 96 | \$4,373 | \$7,335 | \$25 | \$0 | \$0 | \$1,235 | \$12,968 | | |
| 3.5 - Prepare Environmental Document | | | | | | | | | | | | |
| 3.5.A - Prepare Environmental Document | | \$42.48 | 100 | \$4,248 | \$7,125 | \$24 | \$0 | \$0 | \$1,199 | \$12,596 | | |
| TOTAL 3.5 - Prepare Environmental Document | | \$42.48 | 100 | \$4,248 | \$7,125 | \$24 | \$0 | \$0 | \$1,199 | \$12,596 | | |
| 3.6 - Environmental Commitments and Plan Notes | | | | | | | | | | | | |
| 3.6.A - Environmental Commitment Plan Notes | | \$46.68 | 6 | \$280 | \$470 | \$2 | \$0 | \$0 | \$79 | \$831 | | |
| TOTAL 3.6 - Environmental Commitments and Plan Notes | | \$46.68 | 6 | \$280 | \$470 | \$2 | \$0 | \$0 | \$79 | \$831 | | |
| 3.9 - Project Management for Environmental Engineering Phase | | | | | | | | | | | | |
| 3.9.A - Meetings | | \$53.18 | 4 | \$213 | \$357 | \$1 | \$0 | \$0 | \$60 | \$631 | | |
| 3.9.B - General Oversight | | \$53.18 | 16 | \$851 | \$1,427 | \$5 | \$0 | \$0 | \$240 | \$2,523 | | |

| C-R-S | | HAM CR 284 1.33 | | PROPOSAL COST SUMMARY | | | | | | | Version: Feb 2017 | |
|---|-----------|--------------------------------|----------------|------------------------------------|-------------------|------------------|-----------------|-----------------|------------|---------------|----------------------|--|
| Consultant: | | Crawford, Murphy & Tilly, Inc. | | | | | | | | | | |
| Agreement No. | 0 | | | State Average Overhead Rate | | 156.68% | | | | | | |
| Modification No. | 0 | | | Consultant Overhead Rate: | | 167.73% | | | | | | |
| PID No. | 107130 | | | Cost of Money: | | 0.57% | | | | | | |
| Proposal Date | 8/12/2020 | | | Net Fee Percentage: | | 11% | | | | | | |
| Task Description | | Average Hourly Rate | Total Hours | Labor Costs | Overhead Costs | Cost of Money | Direct Costs | Subcon Costs | Net Fee | Total Cost | | |
| 3.9.C - Project Set Up | | \$53.18 | 4 | \$213 | \$357 | \$1 | \$0 | \$0 | \$60 | \$631 | | |
| TOTAL 3.9 - Project Management for Environmental Engineering Phase | | \$53.18 | 24 | \$1,276 | \$2,141 | \$7 | \$0 | \$0 | \$360 | \$3,785 | | |
| Total - 3 Environmental Engineering Phase | | 45.0318 | 226 | \$10,177 | \$17,070 | \$58 | \$0 | \$0 | \$2,874 | \$30,179 | | |
| 4 - Final Engineering and R/W Phase | | | | | | | | | | | | |
| 4.2 - Stage 3 Detailed Design Plans | | | | | | | | | | | | |
| 4.2.A.K - Lighting Subsummary | | \$42.69 | 12 | \$512 | \$859 | \$3 | \$0 | \$0 | \$145 | \$1,519 | | |
| 4.2.A.R - Lighting Notes | | \$41.94 | 14 | \$587 | \$985 | \$3 | \$0 | \$0 | \$166 | \$1,741 | | |
| 4.2.E.A - Lighting Details | | \$40.59 | 20 | \$812 | \$1,362 | \$5 | \$0 | \$0 | \$229 | \$2,407 | | |
| TOTAL 4.2 - Stage 3 Detailed Design Plans | | \$41.55 | 46 | \$1,911 | \$3,206 | \$11 | \$0 | \$0 | \$540 | \$5,667 | | |
| 4.4 - Final Plan Package | | | | | | | | | | | | |
| 4.4.A - Submission of Final Tracings and Documentation | | \$43.74 | 10 | \$437 | \$734 | \$2 | \$0 | \$0 | \$123 | \$1,297 | | |
| 4.4 - Final Plan Package | | \$43.74 | 10 | \$437 | \$734 | \$2 | \$0 | \$0 | \$123 | \$1,297 | | |
| TOTAL - Final Engineering Phase | | \$42 | 56 | \$2,348 | \$3,939 | \$13 | \$0 | \$0 | \$663 | \$6,964 | | |
| GRAND TOTAL BASE SCOPE | | 44.5998 | 288 | \$12,845 | \$21,544 | \$73 | \$0 | \$0 | \$3,627 | \$38,089 | | |
| IF-AUTHORIZED TASKS: | | | | | | | | | | | | |
| Noise Analysis | | \$38.87 | 88 | \$3,421 | \$5,737 | \$19 | \$271 | \$0 | \$966 | \$10,414 | | |
| Phase I Cultural Resource Survey | | \$53.18 | 4 | \$213 | \$357 | \$1 | \$0 | \$4,500 | \$60 | \$5,131 | | |
| Regulated Materials Review Assessment | | \$39.01 | 40 | \$1,561 | \$2,618 | \$9 | \$21 | \$0 | \$441 | \$4,648 | | |
| TOTAL IF-AUTHORIZED ENVIRONMENTAL PARTS | | \$39.35 | 132 | \$5,194 | \$8,712 | \$0 | \$292 | \$0 | \$1,467 | \$20,194 | | |
| TOTAL IF-AUTHORIZED | | \$39.35 | 132 | \$5,194 | \$8,712 | \$0 | \$292 | \$0 | \$1,467 | \$20,194 | | |
| GRAND TOTAL WITH IF-AUTHORIZED PARTS | | 42.9493 | 420 | \$18,039 | \$30,256 | \$73 | \$292 | \$0 | \$5,093 | \$58,283 | | |

| C-R-S | | HAM CR 284 1.33 | | | | |
|---|---------------------------------|------------------------|-------------|------------|----------------------|---|
| Consultant: | Crawford, Murphy, & Tilly, Inc. | Consultant | ODOT | LPA | If-Authorized | |
| Agreement No. | 0 | | | | | |
| Modification No. | 0 | | | | | |
| PID No. | 107130 | | | | | |
| Proposal Date | 8/12/2020 | | | | | |
| | | | | | | |
| Task Description | | | | | | Narrative |
| 2.2.G - Noise Analysis | X | X | X | X | | An if-authorized task has been included for a noise analysis if determined necessary by OES. |
| 2.2.E - Underserved Population Evaluation | X | | | | X | Due to the relocation of the parcel at the northeast corner of the intersection, an evaluation for possible underserved populations is required. No UPAIR is anticipated. |
| 2.8.A - Meetings | X | | | | | This task includes 4 hours for progress meetings with the client and coordination calls/meetings with ODOT as necessary. |
| 2.8.B - General Oversight | X | | | | | This task includes 2 hours/month for 8 months for overall management, invoicing, and project progress reporting. |
| 2.8.C - Project Set Up | X | | | | | CMT has included 4 hours for this task. |
| 3.1.A - Phase I Cultural | X | | | | X | An if-authorized task has been included for either a phase I archaeological or history architecture survey as a placeholder. Once OES has defined a scope, a defined scope and fee can be provided. |
| 3.1.D - RMR Assessment | | | | | X | An if-authorized task has been included for an RMR Assessment of the parcel to be acquired on the NE corner. |
| 3.3.F.A - Lighting Analysis | X | | | | | 20-50 in ODOT fee guidance. |
| 3.3.F.B - Power/Circuit Layout & Details | X | | | | | 21-41 hours per sheet |
| 3.3.F.C - Lighting Plan and Details | X | | | | | 31-45 hours per sheet in ODOT fee guidance. |
| 3.3.F.D - Voltage Drop Calculations | X | | | | | |
| 3.3.F.E - Power Service | X | | | | | |

| | | | | |
|--|---|--|--|--|
| 3.1- Environmental Document D1 | X | | | Due to the relocation of the parcel at the northeast corner of the intersection, a D1 document will be required. |
| 3.6.A - Environmental Commitment Plan Notes | X | | | Develop and provide plan notes for inclusion in the plans |
| 4.2.A.K - Lighting Subsummary | X | | | ODOT fee guidance of 17-25 hours per sheet |
| 4.2.A.R - Lighting Notes | X | | | 1 sheet anticipated |
| 4.2.E.A - Lighting Details | X | | | 1 sheet anticipated |
| 4.4.A - Submission of Final Tracings and Documentation | X | | | |

Subconsultant Proposal - Heritage Land Services

RW ACQUISITION SERVICES COST PROPOSAL

Company Name: Heritage Land Services, Inc.

District: 8

Date: 07/21/2020

PID NO.: 107130

Task No.:

Project CRS: HAM-CR284-1.33

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|---|--------------|--------------|--------------|--------------------|
| 1. Project Management - line items found in sections below | parcel | | | |
| 2. Appraisal | | | | |
| a. RE 95 Preparation | parcel | | | \$0.00 |
| b. R/W Appraisal Report (RE 25-17) | parcel | 1 | \$6,500.00 | \$6,500.00 |
| c. Limited Scope R/W Appraisal Report (RE 25-17) | parcel | | | \$0.00 |
| d. Value Finding (RE 90) | parcel | 3 | \$1,500.00 | \$4,500.00 |
| e. Value Analysis | parcel | 1 | \$750.00 | \$750.00 |
| f. Project Data Book | parcel | | | \$0.00 |
| g. Project Management | parcel | 5 | \$150.00 | \$750.00 |
| SECTION SUBTOTAL | | | | \$12,500.00 |
| 3. Appraisal Review | | | | |
| a. R/W Appraisal Report(RE 25-16) | parcel | | | \$0.00 |
| b. Limited Scope R/W Appraisal Report (RE 25-16) | parcel | | | \$0.00 |
| c. Value Finding (RE 25-14) | parcel | | | \$0.00 |
| d. Value Analysis (RE 25-13) | parcel | | | \$0.00 |
| e. USPAP Review (RE 25-12) | parcel | | | \$0.00 |
| f. Parcel Impact Note | parcel | | | \$0.00 |
| g. Appraisal Problem Analysis | parcel | | | \$0.00 |
| h. Project Management | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |
| 4. Title Researches | | | | |
| a. Abbreviated Titles | parcel | | | \$0.00 |
| b. Full Title (42 year) | parcel | 5 | \$600.00 | \$3,000.00 |
| c. Title Update | parcel | 5 | \$150.00 | \$750.00 |
| d. Project Management | parcel | 5 | \$150.00 | \$750.00 |
| SECTION SUBTOTAL | | | | \$4,500.00 |
| SECTION TOTAL | | | | \$17,000.00 |

Table split for Federal Authorization for Right of Way Acquisition

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|--|---------------|--------------|--------------|--------------------|
| 5. Negotiation | | | | |
| a. Negotiation (includes letters, packets, negotiations, billings, document preparation, plan revision coordination, etc.) | parcel | 5 | \$1,800.00 | \$9,000.00 |
| b. Bill of Sale Negotiation | Per BS Parcel | | | \$0.00 |
| c. Negotiation Trainee | parcel | | | \$0.00 |
| d. Project Management | parcel | 5 | \$150.00 | \$750.00 |
| SECTION SUBTOTAL | | | | \$9,750.00 |
| 6. Closings | | | | |
| a. Mail Out | parcel | 1 | \$350.00 | \$350.00 |
| b. Formal (includes forms RE 30, 31, 44, 45 & 57 and etc.) | parcel | 4 | \$650.00 | \$2,600.00 |
| c. Formal - structure parcels | parcel | | | \$0.00 |
| d. Title Update for Appropriation | parcel | | | \$0.00 |
| e. Mortgage Release | per release | | | \$0.00 |
| f. Project Management | per release | 5 | \$150.00 | \$750.00 |
| SECTION SUBTOTAL | | | | \$3,700.00 |
| 7. Relocation Assistance Services | | | | |
| a. Residential offer made | parcel | 1 | \$3,500.00 | \$3,500.00 |
| b. Residential final billing | parcel | 1 | \$3,500.00 | \$3,500.00 |
| c. Commercial Offer made | parcel | 1 | \$2,250.00 | \$2,250.00 |
| d. Commercial final billing | parcel | 1 | \$2,250.00 | \$2,250.00 |
| e. Personal Property final billing | parcel | | | \$0.00 |
| f. Pre-Acquisition Survey/Interview | parcel | 2 | \$500.00 | \$1,000.00 |
| g Pre-Acquisition Report | parcel | | | \$0.00 |
| h Project Management for Relocation/Relocation Review | parcel | 2 | \$150.00 | \$300.00 |
| SECTION SUBTOTAL | | | | \$12,800.00 |
| 8 Relocation Review | | | | |
| a. Residential Review | parcel | | | \$0.00 |
| b. Commercial Review | parcel | | | \$0.00 |
| c. Personal Property Review | parcel | | | \$0.00 |
| d. Project Management | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |

| Pay Item | Type of Unit | No. of Units | Fee Per Unit | Total Amount |
|--|--------------|--------------|--------------|--------------------|
| 9. Asbestos | | | | |
| a. Collection/Reporting | parcel | | | \$0.00 |
| b. Testing | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$0.00 |
| 10. Miscellaneous | | | | |
| Design Desk and Field Review - a. Appraisal and Project Management | Hourly | | | \$0.00 |
| b. Mileage for Field Review | Miles | | | \$0.00 |
| c. Meeting with City/Engineering Staff | parcel | | | \$0.00 |
| d. Specialty Appraisal Studies (Parking, Rent, Architectural etc.) | parcel | | | \$0.00 |
| e. Copies and Recording fees (reimbursable based on actual cost for Titles and Closings - receipts necessary) | parcel | 5 | \$150.00 | \$750.00 |
| f. R/W Cost Estimate (RE-101) | parcel | | | \$0.00 |
| SECTION SUBTOTAL | | | | \$750.00 |
| SECTION TOTAL | | | | \$27,000.00 |
| GRAND TOTAL | | | | \$44,000.00 |