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August 23, 2022

Mr. Scott Langford, PE
Town Engineer/Public Works Director
Town of Tyrone
950 Senoia Road
Suite A
Tyrone, GA 30290

Re: **Town of Tyrone - Professional Transportation Design Services Fee Proposal
Task Order #8 – 2023 Roadway Resurfacing**

Pond & Company (Pond) is pleased to submit this proposal for transportation engineering design services for the above project. The paragraphs below describe the professional services and fees to accomplish this work.

PROJECT UNDERSTANDING:

As part of the Town of Tyrone Transportation Engineering Services On-Call, Task Order #8 will consist of roadway resurfacing along several roadways/corridors within the town limits. These sections (showing approximate lengths and PCI ratings) are included below:

- Northwood Road (1,229.4 LF - PCI 17)
- Valley View Drive (1926.5 LF PCI – 39)
- Valley View Court (572.8 LF – PCI 40)
- Meadow View Drive (977.2 LF – PCI 27.7)
- Meadow View Circle (560.6 LF – PCI 31)
- Oakhurst Drive (575 LF – PCI 62)
- Lloyd Avenue (636.6 LF – PCI 36.9)
- Howell Road (612.2 LF - PCI 32)
- Lynnwood Avenue (1,272 LF - PCI 56.8)

PROFESSIONAL SERVICES:

The work in this proposal will consist of developing preliminary through final construction plans. Pond, along with our subconsultants, will provide the design services necessary in completing the tasks as described herein for the Town of Tyrone.

Scope of Work

Task 1: Base Data Coordination/Development

Task 1A. Base Mapping Setup – Pond will utilize available GIS information and aerial imagery to prepare the base mapping. This includes parcel data, roadway data, utility data, and contour information. This information will be overlaid on high-resolution aerial imagery.

Task 1B. Geotechnical Services – Pond will utilize the geotechnical subconsultant, ECS, to complete asphalt pavement cores (6 total) with soil test borings at the following locations:

- Lynwood Avenue – (1 EA)
- Howell Road – (1 EA)
- Lloyd Avenue – (1 EA)
- Meadow View Drive – (1 EA)
- Valley View Drive – (1 EA)
- Northwood Road – (1 EA)

The soil test borings are planned to a depth of 5 feet below existing ground surface. The purpose of the field exploration would be to provide information on the pavement and shallow subsurface soil conditions. Laboratory testing will be completed for all samples, along with a written report. When the field exploration has been completed, a written report outlining the findings and recommendations will be published. An electronic color PDF version of the report will be issued after completion. The report will describe the site conditions and subsurface data, as well as provide a limited engineering evaluation of the site relative to the proposed development. Some of the specific items addressed will include:

- Results of the exploration including boring logs, laboratory testing results, and photographs of the existing site conditions and pavement cores
- Pavement design recommendations
- Determination of potential poor-quality soil or fill material
- Site preparation and fill placement recommendations

Deliverables for Task 1:

- Geotechnical Report

Task 2: Preliminary Design

Task 2A. Preliminary Design Plans – The Preliminary Plans deliverable will include roadway plans, cross, utility plans (as/if applicable), signing and marking plans, and erosion control plans (as/if applicable). Pond will prepare the construction plans, prepared based on the topographic survey database. The design plans will be prepared conforming to AASHTO, Manual on Uniform Traffic Control Devices (MUTCD), Town of Tyrone/Fayette County, and Georgia Department of Transportation (GDOT) requirements and standards, as appropriate, using Microstation V8i software with InRoads.

Task 2B. Site Visit – Pond will complete a site visit to all locations identified to measure lane widths and note relevant items including cracked curb and gutter, manholes and valves, etc.

Task 2C. Cost Estimate – Pond will prepare an opinion of probable cost/cost estimate for the project including all resurfacing locations.

Task 2D. Town of Tyrone Review – Pond will submit the Preliminary Plans to the Town of Tyrone for comment/approval. This task includes (1) meeting with the town to discuss the plans. We will respond to (1) round of comments and incorporate appropriate comments into the plans (during Task 3).

Deliverables for Task 2:

- Preliminary Plans

- Cost Estimate

Task 3: Final Design

Task 3A. Final Design Plans – Based on all comments received from the Preliminary Plan submittal, we will further refine plans. These plans will include compiling a list of all Preliminary Plan comments received and our responses, prior to incorporating into Final Plans.

Task 3B. Cost Estimate – Pond will prepare an opinion of probable cost for the project including all resurfacing locations.

Task 3C. Town of Tyrone Review – Pond will submit the Final Plans to the Town of Tyrone for comment/approval. This task includes one meeting with the town to discuss the plans. We will respond to (1) round of comments and incorporate appropriate comments into the plans.

Task 4: Construction Bid and Construction Support

Task 4A. Respond to RFIs – During the bidding and construction process, we will respond in writing to the contractor's request for information.

Task 4B. Construction Observation/Punch List – Pond will provide personnel to perform (3) total visits to the site during construction to make sure that the construction is moving along as planned. These visits will be documented as written reports. This includes: (2) site visits during construction and (1) final inspection.

Schedule

Pond has estimated that the tasks above can be completed within (3) months from approved notice to proceed with this phase. The Town of Tyrone has a planned completion date of end of December 2022. Please note that these time frames are dependent on review times.

ASSUMPTIONS:

The design plans will be prepared as a locally funded project.

Services or tasks not specifically outlined above are excluded and would be considered additional services. Services not included in the scope:

- | | |
|---|------------------------------------|
| • Full Design/Engineering Plans | • Landscape/Hardscape Plans |
| • Topographic Survey | • GDOT Concept Report |
| • Right-of-Way Plans | • Additional Meetings |
| • GDOT Plan Development Process (PDP) | • MS4 Analysis/Documentation |
| • Traffic Engineering Report/Analysis | • Environmental Services |
| • Staging Plans | • Erosion Control Plans/Inspection |
| • Subsurface Utility Engineering (SUE) Services | • Utility Coordination |

PROFESSIONAL FEES:

Pond proposes to accomplish *Task 1* through *Task 4* based on the contracted unit rates, not to exceed a total fee of \$68,166.75. The fees are summarized in the attached Man-Hour Fee Estimate.

If this fee and scope is acceptable, Pond & Company is available to begin work immediately. If you would like us to discuss or modify the scope, please contact myself or Zach Puckett, who will serve as the Project Manager. If you need any additional information, please feel free to contact me at (678) 336-7740.

Sincerely,

POND & COMPANY

Richard Fangmann, PE, PTOE
Vice-President

Cc: Zach Puckett, PE

Town of Tyrone

On-Call - Task Order #8
2023 Roadway Resurfacing Projects
Project Length 1.58 miles

SUMMARY BY PHASE

COST AMOUNT OF CONTRACT PROPOSAL

8/23/2022

	PHASE AMOUNTS
Phase 1 Base Data Coordination/Development	\$ 7,323.00
Phase 2 Preliminary Design	\$ 44,440.50
Phase 3 Final Design	\$ 8,394.00
Phase 4 Construction Bid and Construction Support	\$ 8,009.25
TOTAL DESIGN COST FOR ALL SEGMENTS	\$ 68,166.75

Phase 1 Summary

Phase 1

Base Data Coordination/Development

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	1	\$ 220.00	\$ 220.00	
PROJECT MANAGER	8	\$ 190.00	\$ 1,520.00	
SENIOR ENGINEER	11	\$ 210.00	\$ 2,310.00	
MID LEVEL ENGINEER	24	\$ 127.00	\$ 3,048.00	
SENIOR LANDSCAPE AF	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITEC'	0	\$ 95.00	\$ -	
ADMINISTRATIVE	3	\$ 75.00	\$ 225.00	
TOTAL DIRECT LABOR 47 Manhours \$ 7,323.00				
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
Mileage	\$ 0.55	0	\$ -	
REPRODUCTION	\$ 150.00	0	\$ -	
MAIL & DELIVERY	\$ 50.00	0	\$ -	
TRAVEL	\$ -	0	\$ -	
			\$ -	
Direct Cost Total			\$ -	
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
			\$ -	
Subconsultant Sub Total				\$ -
COST AMOUNT FOR PHASE				\$ 7,323.00

PROJECT: On-Call - Task Order #8 2023 Roadway Resurfacing Projects
Phase 1
Base Data Coordination/Development

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Phase 2 Summary

Phase 2

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	2	\$ 220.00	\$ 440.00	
PROJECT MANAGER	34	\$ 190.00	\$ 6,460.00	
SENIOR ENGINEER	39	\$ 210.00	\$ 8,190.00	
MID LEVEL ENGINEER	109	\$ 127.00	\$ 13,843.00	
SENIOR LANDSCAPE AF	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITEC'	0	\$ 95.00	\$ -	
ADMINISTRATIVE	4	\$ 75.00	\$ 300.00	
TOTAL DIRECT LABOR 188 Manhours \$ 29,233.00				
DIRECT COSTS (SPECIFY):				
ITEM		UNIT COST	QUANTITY	TOTALS
Mileage	\$	0.55	250	\$ 137.50
REPRODUCTION	\$	150.00	0	\$ -
MAIL & DELIVERY	\$	50.00	0	\$ -
TRAVEL	\$	-	0	\$ -
				\$ -
Direct Cost Total				\$ 137.50
SUBCONSULTANTS (LIST):				
SUB CONSULTANT				TOTALS
Geotech-Soil Survey				\$ 15,070.00
Subconsultant Sub Total				\$ 15,070.00
COST AMOUNT FOR PHASE				\$ 44,440.50

PROJECT: On-Call - Task Order #8 2023 Roadway Resurfacing Projects
Phase 2
Preliminary Design

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Phase 3 Summary

Phase 3

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	1	\$ 220.00	\$ 220.00	
PROJECT MANAGER	12	\$ 190.00	\$ 2,280.00	
SENIOR ENGINEER	8	\$ 210.00	\$ 1,680.00	
MID LEVEL ENGINEER	32	\$ 127.00	\$ 4,064.00	
SENIOR LANDSCAPE AF	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITEC'	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	
TOTAL DIRECT LABOR 55 Manhours \$ 8,394.00				
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
Mileage	\$ 0.55	0	\$ -	
REPRODUCTION	\$ 150.00	0	\$ -	
MAIL & DELIVERY	\$ 50.00	0	\$ -	
TRAVEL	\$ -	0	\$ -	
			\$ -	
Direct Cost Total			\$ -	
SUBCONSULTANTS (LIST):				
SUB CONSULTANT			TOTALS	
			\$ -	
Subconsultant Sub Total			\$ -	
COST AMOUNT FOR PHASE			\$ 8,394.00	

PROJECT: On-Call - Task Order #8 2023 Roadway Resurfacing Projects
Phase 3
Final Design

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Phase 4 Summary

Phase 4

COST AMOUNT FOR PHASE	\$	8,009.25
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PROJECT: On-Call - Task Order #8 2023 Roadway Resurfacing Projects
Phase 4
Construction Bid and Construction Support

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