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June 24, 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 #2 – Rockwood Road/Crabapple Lane at Senoia Road – Preliminary through Final Design**

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, the traffic engineering study completed as part of Task Order #2, for the intersection of Rockwood Road/Crabapple Lane at Senoia Road, will be referenced for the development of Preliminary through Final Design. This intersection is currently side-street stop controlled with a posted speed limit of 45 along Senoia Road and 30 MPH along Rockwood Road/Crabapple Lane. Senoia Road runs parallel to CSX Railroad (approximately 550' from centerline of roadway to centerline of railroad) and includes an existing at-grade crossing along Rockwood Road, west of the intersection. Recommendations included in the TE study will be included in the design, including conversion to a 4-way stop and minor intersection improvements.

#### **PROFESSIONAL SERVICES:**

The work in this proposal will consist of developing preliminary through final construction plans. Pond 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 2: Preliminary Design**

*Task 2A. Preliminary Design Plans –* The Preliminary Plans deliverable will include roadway plans, utility plans (if applicable), and signing and marking plans. Pond will prepare the construction plans, prepared based on the base mapping database (Task 1). 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

Architects  
Engineers  
Planners  
Constructors

Transportation (GDOT) requirements and standards, as appropriate, using Microstation V8i software with InRoads.

*Task 2B. Site Visit* – Pond will complete a site visit to the intersection to measure lane widths, confirm site conditions, and note any intersection observations.

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

*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.

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

***Schedule***

Pond has estimated that the tasks above can be completed within (3) months from approved notice to proceed with this phase. Please note that these time frames are dependent on agency 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:

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

**PROFESSIONAL FEES:**

Pond proposes to accomplish *Task 1* through *Task 3* based on the contracted unit rates, not to exceed a total fee of \$20,861.00. 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 #2 - Design

Rockwood Road/Crabapple Lane at Senoia Road - Preliminary through Final Design

Project Length 0 miles

### SUMMARY BY PHASE

#### COST AMOUNT OF CONTRACT PROPOSAL

6/24/2022

	PHASE AMOUNTS
Phase 1 Base Data Coordination/Development	\$ 3,196.00
Phase 2 Preliminary Design	\$ 11,659.00
Phase 3 Final Design	\$ 6,006.00
<b>TOTAL DESIGN COST FOR ALL SEGMENTS</b>	<b>\$ 20,861.00</b>

## Phase 1 Summary

## Phase 1

## Base Data Coordination/Development

<b>COST AMOUNT FOR PHASE</b>	<b>\$</b>	<b>3,196.00</b>
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### Phase 1 Detail

**PROJECT: On-Call - Task Order #2 - Design Rockwood Road/Crabapple Lane at Senoia Road - Preliminary through Final Design**

## Phase 1

TASKS	Assumptions	No. of SHT	PRINCIPAL	PROJECT MANAGER	SENIOR ENGINEER	MID LEVEL ENGINEER	SENIOR LANDSCAPE ARCHITECT	LANDSCAPE ARCHITECT	ADMINISTRATIVE	TOTAL	% OF TOTAL HOURS
<b>Non-Drawing Tasks</b>											
Project Management	Invoices, progress reports (assumed 1 month duration)(1 hr/each)		1	1					1	3	15.0%
Internal Coordination Meeting	1 internal meetings @ 1 hr per meeting			1	1	1			1	4	20.0%
<b>Drawing Tasks</b>											
Base Mapping Development - GIS/Aerial	Assuming some of the basemapping from concept can be utilized			2	4	7				13	65.0%
TOTALS		0	1	4	5	8	0	0	2	20	100.0%

## Phase 2 Summary

## Phase 2

## Preliminary Design

<b>PERSONNEL</b>	<b>EST. HOURS</b>	<b>RATE/HR.</b>	<b>COST \$</b>	<b>TOTALS</b>
PRINCIPAL	1	\$ 220.00	\$ 220.00	
PROJECT MANAGER	20	\$ 190.00	\$ 3,800.00	
SENIOR ENGINEER	10	\$ 210.00	\$ 2,100.00	
MID LEVEL ENGINEER	42	\$ 127.00	\$ 5,334.00	
SENIOR LANDSCAPE AF	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITEC`	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	
<b>TOTAL DIRECT LABOR                  75 Manhours                  \$        11,604.00</b>				
<b>DIRECT COSTS (SPECIFY):</b>				
<b>ITEM</b>	<b>UNIT COST</b>	<b>QUANTITY</b>	<b>TOTALS</b>	
Mileage	\$ 0.55	100	\$	55.00
REPRODUCTION	\$ 150.00	0	\$	-
MAIL & DELIVERY	\$ 50.00	0	\$	-
TRAVEL	\$ -	0	\$	-
				\$ -
<b>Direct Cost Total</b>				<b>\$        55.00</b>
<b>SUBCONSULTANTS (LIST):</b>				
<b>SUB CONSULTANT</b>			<b>TOTALS</b>	
				\$ -
<b>Subconsultant Sub Total</b>				<b>\$ -</b>
<b>COST AMOUNT FOR PHASE</b>				<b>\$       11,659.00</b>

### Phase 2 Detail

**PROJECT: On-Call - Task Order #2 - Design Rockwood Road/Crabapple Lane at Senoia Road - Preliminary through Final Design**

## Phase 2

## Preliminary Design

[illegible]



### Phase 3 Summary

### Phase 3

<b>PERSONNEL</b>	<b>EST. HOURS</b>	<b>RATE/HR.</b>	<b>COST \$</b>	<b>TOTALS</b>
PRINCIPAL	1	\$ 220.00	\$ 220.00	
PROJECT MANAGER	11	\$ 190.00	\$ 2,090.00	
SENIOR ENGINEER	6	\$ 210.00	\$ 1,260.00	
MID LEVEL ENGINEER	18	\$ 127.00	\$ 2,286.00	
SENIOR LANDSCAPE AF	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITEC'	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	
<b>TOTAL DIRECT LABOR                  38 Manhours                  \$        6,006.00</b>				
<b>DIRECT COSTS (SPECIFY):</b>				
<b>ITEM</b>	<b>UNIT COST</b>	<b>QUANTITY</b>	<b>TOTALS</b>	
Mileage	\$ 0.55	0	\$ -	
REPRODUCTION	\$ 150.00	0	\$ -	
MAIL & DELIVERY	\$ 50.00	0	\$ -	
TRAVEL	\$ -	0	\$ -	
			\$ -	
<b>Direct Cost Total</b>			<b>\$ -</b>	
<b>SUBCONSULTANTS (LIST):</b>				
<b>SUB CONSULTANT</b>			<b>TOTALS</b>	
			\$ -	
<b>Subconsultant Sub Total</b>			<b>\$ -</b>	
<b>COST AMOUNT FOR PHASE</b>			<b>\$ 6,006.00</b>	

## Town of Tyrone Phase 3 Detail

## Final Design

[illegible]