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July 20, 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 #7 – Senoia Road – Speed Study

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 #7 will consist of a vehicular speed study for Senoia Road. The limits of this study include Senoia Road, from Irish Lane to Depot Court. Senoia Road has a posted speed limit that ranges from 35 MPH, up to 45 MPH, down to 40 MPH before reaching Peachtree City limits, where it drops back down to 35 MPH. The Town of Tyrone is interested in evaluating this section of Senoia Road to see if dropping the posted speed limit to 35 MPH is a viable solution.

PROFESSIONAL SERVICES:

The work in this proposal will consist of traffic analysis/evaluation. 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: Traffic Data Collection

Task 1A. Traffic Data Collection – All traffic data collection will be performed by a sub-consultant and provided to Pond. The following counts will be collected:

- 7-Day Traffic Volume and Speed Counts:
 - Senoia Road, between Irish Lane and Magnolia Drive
 - Senoia Road, between Maple Shade Lane and Crabapple Lane/Rockwood Road
 - Senoia Road, north of Depot Lane

The data will be recorded in five mph increments in fifteen-minute time intervals. A five second delay will be used to account for platoons of vehicles.

Task 2: Examine and Document Crash Data and Presence of Side Friction

Task 2A. Site Evaluation – Pond will complete a site visit to observe current traffic conditions along the corridor and the presence of geometric constraints or other factors that present a safety concern and/or reduce speed

due to side friction. These factors include reduced sight distance due to horizontal or vertical alignment, as well as the presence of features in the clear zone which can cause vehicles to slow. The presence of these features and their relative prevalence along the corridor will be documented. The horizontal alignment will also be reviewed to verify the radius of curvature meets the design speed.

Task 2B. Crash Evaluation – Pond will examine crash data along the corridor utilizing GDOT's Numetric and GEARSS database to understand the types and frequency of crashes. The rate of crashes will be noted and compared to the statewide average for similar facilities. The location and characteristics of crashes will be indicated on a map and documented in the TE report.

Task 3: Traffic Engineering Report

Task 3A. Traffic Engineering Report – Pond will document the results and recommendations in a Traffic Engineering (TE) Report. The report will identify the site observations, sight distance measurements, traffic speeds, concentration of crashes, observations, and location and type of geometric constraints or factors that can reduce speed due to side friction.

- Pond will submit the TE Report 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 report.
- Pond will submit the report to GDOT District 3 for review.

Deliverables for (Task 3)

- TE Report

Schedule

Pond has estimated that the tasks above can be completed within (3) months from approved notice to proceed with this phase and completion data collection. Please note that this is subject to agency review times.

ASSUMPTIONS:

The speed study evaluation and TE Report 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:

- | | |
|---|--|
| • Design/Engineering Plans | • GDOT Concept Report |
| • GDOT Forecasting and Methodology Process | • Additional Meetings |
| • Traffic Analysis | • MS4 Analysis/Documentation |
| • Concept Design | • Environmental Services |
| • Right-of-Way Plans | • Erosion Control Plans/Inspection |
| • GDOT Plan Development Process (PDP) | • Utility Coordination |
| • Staging Plans | • Public Involvement |
| • Topographic Survey | • Geotechnical Services |
| • Subsurface Utility Engineering (SUE) Services | • Coordination with Fayette County and/or Peachtree City |
| • 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 \$14,049.25. The fees are summarized in the attached Man-Hour Fee Estimate from the 2021 Transportation Engineering Services' contract.

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 #7
Senoia Road - Speed Study
Project Length 0 miles

SUMMARY BY PHASE

COST AMOUNT OF CONTRACT PROPOSAL

7/20/2022

	PHASE AMOUNTS
Phase 1 Traffic Data Collection	\$ 3,907.50
Phase 2 Examine and Document Crash Data and Presence of Side Friction	\$ 3,277.75
Phase 3 Traffic Engineering Report	\$ 6,864.00
TOTAL DESIGN COST FOR ALL SEGMENTS	\$ 14,049.25

Town of Tyrone

Phase 1 Summary

PROJECT: On-Call - Task Order #7 Senoia Road - Speed Study

Phase 1

Traffic Data Collection

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	1	\$ 220.00	\$ 220.00	
PROJECT MANAGER	3	\$ 190.00	\$ 570.00	
SENIOR ENGINEER	0	\$ 210.00	\$ -	
MID LEVEL ENGINEER	2	\$ 127.00	\$ 254.00	
SENIOR LANDSCAPE ARCHITECT	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITECT	0	\$ 95.00	\$ -	
ADMINISTRATIVE	1	\$ 75.00	\$ 75.00	

TOTAL DIRECT LABOR	7 Manhours	\$	1,119.00
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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
Traffic Counts	\$ 2,788.50

Subconsultant Sub Total \$ 2,788.50

COST AMOUNT FOR PHASE \$ 3,907.50

PROJECT: On-Call - Task Order #7 Senola Road - Speed Study
Phase 1
Traffic Data Collection

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Phase 2 Summary

Phase 2

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	2	\$ 220.00	\$ 440.00	
PROJECT MANAGER	8	\$ 190.00	\$ 1,520.00	
SENIOR ENGINEER	1	\$ 210.00	\$ 210.00	
MID LEVEL ENGINEER	7	\$ 127.00	\$ 889.00	
SENIOR LANDSCAPE ARCHITECT	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITECT	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	
TOTAL DIRECT LABOR 20 Manhours \$ 3,209.00				
DIRECT COSTS (SPECIFY):				
ITEM		UNIT COST	QUANTITY	TOTALS
Mileage		\$ 0.55	125	\$ 68.75
REPRODUCTION		\$ 150.00	0	\$ -
MAIL & DELIVERY		\$ 50.00	0	\$ -
TRAVEL		\$ -	0	\$ -
				\$ -
Direct Cost Total				\$ 68.75
SUBCONSULTANTS (LIST):				
SUB CONSULTANT				TOTALS
				\$ -
Subconsultant Sub Total				\$ -
COST AMOUNT FOR PHASE				\$ 3,277.75

PROJECT: On-Call - Task Order #7 Senola Road - Speed Study
Phase 2
Examine and Document Crash Data and Presence of Side Friction

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Phase 3 Summary

Phase 3

Traffic Engineering Report

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	2	\$ 220.00	\$ 440.00	
PROJECT MANAGER	5	\$ 190.00	\$ 950.00	
SENIOR ENGINEER	6	\$ 210.00	\$ 1,260.00	
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				47 Manhours
				\$ 6,864.00
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				\$ 6,864.00

PROJECT: On-Call - Task Order #7 Senola Road - Speed Study
Phase 3
Traffic Engineering Report

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