



COUNCIL AGENDA ITEM COVER SHEET

Meeting Type: Council - Regular

Meeting Date: June 20, 2024

Agenda Item Type: New Business

Staff Contact: Scott Langford

STAFF REPORT

AGENDA ITEM:

Consideration to Award Task Order 12: 2025 Castlewood / Senoia Intersection Study, project number PW-2025-04 of the 2021 Transportation Engineering Services project to POND, Inc. for a sum not to exceed \$10,055.00.

BACKGROUND:

This project is Task Order 12 of the 2021 Transportation Engineer Service Contract with POND, Inc. The project is part of the continued effort to improve and maintain the transportation infrastructure in the Town of Tyrone. The project is for the Castlewood Road / Senoia Road intersection. The project scope includes collecting and evaluating traffic data along with signal warrants analysis, Level of Service for current and future conditions, and recommended improvements-alternatives.

FUNDING:

General Funds – Public Works 100-40-52.2205

STAFF RECOMMENDATION:

Staff recommends Awarding Task Order 12: 2025 Castlewood / Senoia Intersection Study; Project No: PW-2025-04 to POND, Inc. for the fee not to exceed \$10,055.00.

ATTACHMENTS:

Task Order 12 Proposal.

PREVIOUS DISCUSSIONS:

None



3500 Parkway Lane, Suite 500
Peachtree Corners, GA 30092
T: 678.336.7740

June 2, 2024

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 #12 – Castlewood Road at Senoia Road – Traffic Engineering Report

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 #12 will consist of traffic analysis for the intersection of Castlewood Road at Senoia Road. Senoia Road has a posted speed limit of 30 mph, and Castlewood Road has a posted speed limit of 40 mph. The intersection is currently a T-configuration, operating under all-way stop control. A Traffic Engineering (TE) Report will be completed summarizing our analysis and proposed improvements.

PROFESSIONAL SERVICES:

The work in this proposal will consist of traffic analysis and developing a concept layout, if requested. 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: Site Visit/Field Observation

Task 1A: Field Visit to Document Existing Conditions – Pond will complete a field visit to the intersection of Senoia Road at Castlewood Road to observe existing field conditions. Pictures will be taken to properly document the existing conditions, including geometry, sight distance, and speed limits. The intersection will also be reviewed to identify current deficiencies.

Task 1B: Traffic Data Collection – All traffic data collection will be performed by a sub-consultant and provided to Pond. Traffic counts will be collected during a week that schools are in session:

- 12-Hour Turning Movement Count (TMC) (7:00 AM - 7:00 PM):
 - Castlewood Road at Senoia Road
- 24-Hour Traffic Volume and Classification Counts:
 - Senoia Road, south of Castlewood Road
 - Castlewood Road, west of Senoia Road

Task 2: Traffic Analysis and TE Report

Task 2A: Traffic Analysis – Pond will analyze the traffic at the intersection of Senoia Road at Castlewood Road.

A review of crash history will be completed utilizing GDOT's GEARS and/or Numetric databases. Capacity analysis will be performed for this intersection using Synchro Software. This analysis will be performed for the AM and PM peak hours of the existing year, opening year, and design year. Analysis of the opening and design years will include a build and no-build condition. An abbreviated version of the Georgia Department of Transportation's (GDOT) Intersection Control Evaluation (ICE) tool will be utilized to determine the potential improvements at locations with insufficient LOS. These alternatives will then be analyzed to determine what improvements and alternatives are necessary to obtain acceptable operations. It is our understanding that an all-way stop is preferred, but other alternatives will be considered as well.

A signal warrant analysis and evaluation will be completed for the intersection of Senoia Road at Castlewood Road to see if any of the MUTCD signal warrants are met.

Task 2B: Traffic Engineering Report – Pond will document the analysis results and recommendations in a Traffic Engineering Report.

- Pond will submit the TE Report 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 report.
- Pond will submit the TE Report to the town in an electronic format (PDF). Pond will provide a hard copy of the submittal to the town, as/if requested.

Deliverables for (Task 2)

- Traffic Engineering (TE) Report

Schedule

Pond has estimated that the tasks above can be completed within (2) months from approved notice to proceed with this phase and completion data collection. Please note that these time frames are dependent on agency review times.

ASSUMPTIONS:

The Traffic Engineering 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:

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|--|------------------------------------|
| • Design/Engineering Services (i.e. Concept through Final Plans) | • GDOT Concept Report |
| • GDOT Forecasting and Methodology Process | • Additional Meetings |
| • Traffic Analysis (Beyond Task 2) | • MS4 Analysis/Documentation |
| • Traffic Data Collection (Beyond Task 1) | • Environmental Services |
| • Right-of-Way Plans | • Erosion Control Plans/Inspection |
| • GDOT Plan Development Process (PDP) | • Utility Coordination |
| • Staging Plans | • Public Involvement |
| • Topographic Survey | • Presentation Services/Attendance |
| • Subsurface Utility Engineering (SUE) Services | • Geotechnical Services |
| • Landscape/Hardscape Plans | • Coordination with Fayette County |
| | • Permitting |



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PROFESSIONAL FEES:

Pond proposes to accomplish *Task 1* through *Task 2* based on the contracted unit rates, not to exceed a total lump sum fee of \$10,055.00.

The development of fees is 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

A handwritten signature in blue ink that reads "Richard Fangmann".

Richard Fangmann, PE, PTOE
Vice-President

Cc: Zach Puckett, PE

Town of Tyrone

On-Call - Task Order #12
Senoia Road at Castlewood Road - TE Report
Project Length 0 miles

SUMMARY BY PHASE

COST AMOUNT OF CONTRACT PROPOSAL 6/2/2024

	PHASE AMOUNTS
Phase 1 Site Visit/Field Observation	\$ 3,045.00
Phase 2 Traffic Analysis and TE Report	\$ 7,010.00
TOTAL DESIGN COST FOR ALL SEGMENTS	\$ 10,055.00

Phase 1 Summary

Phase 1

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	0	\$ 220.00	\$ -	
PROJECT MANAGER	5	\$ 190.00	\$ 950.00	
SENIOR ENGINEER	0	\$ 210.00	\$ -	
MID LEVEL ENGINEER	5	\$ 127.00	\$ 635.00	
SENIOR LANDSCAPE AR	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITECT	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	

TOTAL DIRECT LABOR	12 Manhours	\$	1,735.00
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ITEM	UNIT COST	QUANTITY	TOTALS
Mileage	\$ 0.67	100	\$ 67.00
REPRODUCTION	\$ 150.00	0	\$ -
MAIL & DELIVERY	\$ 50.00	0	\$ -
TRAVEL	\$ -	0	\$ -
			\$ -

Direct Cost Total	\$	67.00
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SUB CONSULTANT			TOTALS
Traffic Counts			\$ 1,243.00

Subconsultant Sub Total	\$	1,243.00
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COST AMOUNT FOR PHASE	\$	3,045.00
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PROJECT: On-Call - Task Order #12 Senola Road at Castlewood Road - TE Report
Phase 1
Site Visit/Field Observation

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Phase 2 Summary

Phase 2

Traffic Analysis and TE Report

PERSONNEL	EST. HOURS	RATE/HR.	COST \$	TOTALS
PRINCIPAL	0	\$ 220.00	\$ -	
PROJECT MANAGER	5	\$ 190.00	\$ 950.00	
SENIOR ENGINEER	10	\$ 210.00	\$ 2,100.00	
MID LEVEL ENGINEER	30	\$ 127.00	\$ 3,810.00	
SENIOR LANDSCAPE AR	0	\$ 120.00	\$ -	
LANDSCAPE ARCHITECT	0	\$ 95.00	\$ -	
ADMINISTRATIVE	2	\$ 75.00	\$ 150.00	
TOTAL DIRECT LABOR 47 Manhours				\$ 7,010.00
DIRECT COSTS (SPECIFY):				
ITEM	UNIT COST	QUANTITY	TOTALS	
Mileage	\$ 0.67	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			\$ 7,010.00	

PROJECT: On-Call - Task Order #12 Senola Road at Castlewood Road - TE Report
Phase 2
Traffic Analysis and TE Report

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