

## Staff Report

**Subject:** Agreement for 2025 Pavement Condition Survey and Lifecycle Modeling

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**Department:** Public Works

**Meeting Date:** October 7<sup>th</sup>, 2025

**Item Description:** Consideration to approve an agreement with Withers Ravenel for conducting a Pavement Condition Survey and Lifecycle Modeling for approximately 664 centerline miles of County-maintained roads.

**Summary Recommendation:** Staff recommends approval of the professional services agreement with Withers Ravenel in the amount of **\$174,800.00** for the 2025 Pavement Condition Survey and Lifecycle Modeling for Effingham County's road network.

### Executive Summary/Background:

Effingham County seeks to assess the condition of its roadway network to prioritize maintenance and capital investments more effectively. The County maintains approximately 664 centerline miles of roadways.

This agreement with Withers Ravenel includes two primary tasks:

- Task 1 – Pavement Condition Survey (PCS):  
A windshield visual survey will be performed following national standards to evaluate roadway conditions. Observed pavement distresses such as fatigue cracking, potholes, rutting, and raveling will be used to calculate Pavement Condition Index (PCI) scores for each segment. A summary report with GIS-based outputs, maintenance recommendations, and cost estimates will be provided.
- Task 2 – Lifecycle Modeling (LCM):  
Using the survey data, Withers Ravenel will develop predictive models for various funding scenarios. This will enable the County to forecast future road conditions, optimize maintenance schedules, and determine long-term budget needs.

Deliverables include:

- PCI maps and reports
- Maintenance activity recommendations
- Power BI dashboards and scenario comparisons
- Online presentation of results to staff

The contract cost is \$174,800.00, with a duration of approximately five (5) months from project kickoff.

This engagement was procured through cooperative purchasing via Sourcewell Contract No. 012524-WHR, which satisfies competitive procurement requirements.

### Alternatives for Commission to Consider:

1. Approve the agreement with Withers Ravenel for \$174,800.00.

2. Deny approval and direct staff to issue separate solicitation for pavement management services.
3. Table the item and request additional review or modifications.

**Recommended Alternative:** 1

**Other Alternatives:** 2, 3

**Department Review:** Procurement, County Engineer

**Funding Source:** Capital Improvement Budget FY26 - TSPLOST

**Attachments:** 2025 PCS & LCM Agreement with Withers Ravenel, Sourcewell Purchasing  
Contract No. 012524-WHR