



2022 Pavement Condition Survey

Overview:

The DeKalb-Sycamore Area Transportation Study is accepting Proposals for the analysis and rating of various roadways in the DeKalb, Sycamore, and Cortland municipalities.

Consultant Scope of Services:

The consultant will provide survey data collection, following the provision of ASTM Standard D6433 'Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys', rating the pavement condition and producing the Pavement Condition Index (PCI) of each municipal roadway with a local road or street functional classification, from data obtained with a Digital Survey Vehicle (DSV). The ASTM Standard D6433, Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys, supports documentation of distress type, severity, and extent.

The consultant will profile data collection identifying the roughness, using the International Roughness Index (IRI), of the surveyed municipal roadway network.

The consultant will geo-reference the ratings and streets on ESRI Arcmap GIS compatible layers.

The deliverables shall be ESRI Arcmap GIS compatible layers of the applicable streets with PCI and IRI indexes. The deliverables shall be provided to the DSATS staff by October 31, 2022.

Project Parameters:

ASTM Standard D6433, Standard Practice for Roads and Parking Lots Pavement Condition Index Surveys, shall be used which supports documentation of distress type, severity, and extent.

A Digital Survey Vehicle (DSV) shall be used which uses GPS, lasers and cameras to provide data for roadway assessment needs. GPS receivers are used to provide accurate locations from where the data collection is taken. Lasers are used to measure the surface conditions of roadways and access the paving needs. Measurements pertaining to the longitudinal profile and transverse profile are gathered to determine the roughness, rutting and cross slope.

Only municipal roads and streets from the City of Sycamore, City of DeKalb, and Town of Cortland shall be included. See the [DSATS Roadway Inventory Web Map](#) and [IDOT Road Jurisdiction Map](#) for specific locations.

Only municipal streets with the functional classification of Local Road & Street shall be surveyed. See the [IDOT Roadway Functional Classification Map](#) for specific locations.

DeKalb-Sycamore Area Transportation Study

1826 Barber Greene Road, DeKalb, IL 60115 | (815) 756-9513 | DSATS@DeKalbCounty.org | www.DSATS.org



The approximate mileage for local road & street functional classification of each municipality is:

<u>City of DeKalb</u>	<u>City of Sycamore</u>	<u>Town of Cortland</u>
133 miles	85 miles	26 miles

Payment shall be made within 30 days of receiving the deliverables.

Proposals shall include at a minimum:

- Name of firm with address and contact information
- contact person for the firm
- a summary of projects similar in scope and magnitude recently completed by the firm
- a list of proposed key staff who would be assigned to the project
- a list of proposed sub consultants
- cost breakdown per centerline mile and overall cost of the project (on a separate page) (not to be included in the selection portion of the QBS process)

Proposals are due Tuesday, September 6, 2022 by 3:00 p.m. and may either be mailed to:

Mr. Nathan F. Schwartz, P.E.
DeKalb County Engineer, DSATS Director
1826 Barber Greene Road
DeKalb, IL 60115

or sent via email to: dsats@dekalbcounty.org.

The selected firm will be notified by September 15, 2022.