



City of Dublin Request for Services Pavement Condition Survey March 13, 2023

The City of Dublin respectfully requests a quotation for the professional services described below. All quotes must be received by **March 31, 2023**.

A. Project Identification

The City of Dublin is seeking a pavement condition survey for our pavement network to help us better design, plan, prioritize, and estimate our work.

B. Services Requested Overview

See attached Scope of Services

C. Requested Proposal

Provide a written proposal including project understanding and approach, team qualifications, and all applicable fees.

D. Project Contact

Robert Taylor, P.E., Director – Asset Management & Quality Assurance
rjtaylor@dublin.oh.us
614.410.4775

Sincerely,

Robert J Taylor

Robert Taylor, P.E.
Director, Asset Management & Quality Assurance



PSA _____

Scope of Services
PAVEMENT CONDITION SURVEY
FOR
CITY OF DUBLIN, DUBLIN, OHIO

A. Scope of Services: Professional services for conducting Pavement Condition Surveys in DUBLIN, OHIO. The Consultant (Service Provider) shall develop and complete all the work specified in this scope of services within the project budget, to standards stipulated by The City of Dublin. The Consultant shall use engineering methodology and technology acceptable to the City of Dublin to accomplish pavement condition data analysis. The Consultant shall propose and monitor project schedule, and meet with Dublin staff to address issues, concerns and problems related to the project.

B. Project Location and Limits: All roadways inventoried by the City of Dublin as of March 1, 2023, not including state or interstate routes within the city limits, totaling approximately 256 center line miles or 558 lane miles.

C. Deliverables:

- Provide an electronic copy of a database file in Microsoft Excel, ESRI compatible GIS feature class attribute table, or another mutually agreed upon format containing a listing of roadways and condition detail related information per segment of roadway.
- Prepare a report containing the results of all surveys, additionally, provide the City of Dublin with a description of the components of the formulas used, calculations and examples. A list of all the roads surveyed must be included in the report.
- All the data must be provided in a manner such that it may be imported into the City’s Pavement Management System and ArcGIS for future management and planning purposes. Database schemas are available if needed.
 - For each roadway segment, pavement distresses and rating will be summarized such that there will be a maximum of one record for each segment.
 - All pavement segments will be identified by **FacilityID**
- Failed ride quality locations as a GIS shapefile with a description of the failed distress

D. Completion Date: All deliverables shall be delivered to the city by **August 1, 2023**

E. Services to Be Provided by The City of Dublin

In conjunction with the services to be provided by The Consultant, the City shall provide the following:

1. A Project Manager to serve as the primary point of contact for The Consultant.
2. All available documents which are applicable as background information to be used in performance of this contract and this information shall be determined at the Kickoff Meeting with the City.
3. Timely reviews of and decisions on working documents, reports, etc. to maintain an agreed upon project schedule. The review times shall be determined at the Kickoff Meeting
4. A web map of the streets to be surveyed:
<https://dublinohio.maps.arcgis.com/apps/dashboards/663a8894f6b04b07960ab4b6c328833b>
5. A spreadsheet of the current pavement database of the streets to be surveyed, if requested.

F. Services to Be Provided by The Consultant

In conjunction with the performance of the services to be provided by the City, The Consultant shall provide the following in addition to all deliverables:

1. Schedule Kickoff Meeting with the City after the contract is signed.
2. Provide updated pavement condition details for inclusion in the City's Pavement Management System and ArcGIS. Conduct Pavement Condition Surveys on all City of Dublin accepted roadways as described above. Pavement condition survey shall be completed using a visual inspection including detailed photography or video of the pavement surface, or, in combination with laser scanning of the pavement surface. Calculations shall use the PASER and ASTM (PCI) standard or other acceptable rating system to be agreed upon with the City.

Pavement distresses shall be identified and graded following PASER or ASTM standards, although the City may request modification of the identified distresses and how the distress relates to the pavement condition rating. The Consultant shall consult with the City prior to beginning pavement condition data collection to ensure that the data is collected as desired by the City. The field distress analysis shall be collected on a segment basis as defined by the City's inventory, or as directed by the City. When segments are not available, data shall be collected on a block-by-block basis. All linear reference measurements must follow the LRS set up by the city. The LRS measures are based upon the regional road network and

have been coordinated with the Mid-Ohio Regional Planning Commission (MORPC). All the data must be provided to the city and formatted as required to be incorporated into the City's Pavement Management System for future management and planning purposes.

3. Work in conjunction with the City of Dublin as needed to provide a comprehensive field analysis of the City's current roadway infrastructure to be incorporated in the City's Pavement Management System. The field data collection shall be completed and provided to the City on a schedule acceptable to both.
 - a. The contractor shall provide the following tabular data in Microsoft Excel, ESRI compatible GIS feature class attribute table, or another mutually agreed upon format. The data can be provided in a single table or multiple related tables.
 - i. Updated table record for each evaluated pavement segment, identified by FacilityID and including Road Name, Segment Descriptive From/To (if available), Surface Type, Length, Width, Pavement Surface Area, Inspection Date, Pavement Rating - both PASER and ASTM as applicable, or modified attributes as agreed upon with the City.

G. Optional Services to Be Provided by The Consultant

1. Provide pavement condition analysis of the city's approximate 120 mile bike path system to be reported similar to above.
 - a. Distress identification analysis is not required nor needed, simple condition rating only
 - b. Identify individual repair locations
 - c. No cars or trucks will be allowed on the path system; data collection will need to be by bicycle, golf cart, or other acceptable slow-moving vehicle
 - d. A web map of the paths to be surveyed:
<https://dublinohio.maps.arcgis.com/apps/dashboards/d95dfa20e23f41dab225280c54308e8a>
2. The quote for this service will be separate from the roadway quote, if applicabl