



OHIO TURNPIKE AND
INFRASTRUCTURE COMMISSION

**NOTICE OF REQUEST FOR
LETTERS OF INTEREST
IN THE FORTHCOMING
REQUEST FOR PROPOSALS
TO PERFORM
GEOGRAPHIC INFORMATION SYSTEM
IMPLEMENTATION SERVICES**

PROJECT NO. 71-15-02

The Ohio Turnpike and Infrastructure Commission (“Commission”) will be issuing a Request for Proposals (“RFP”) to select a qualified consultant to perform Geographic Information System Implementation Services and develop user-friendly tools as part of a portal for accessing and managing the Commission’s centralized storehouse of data. The “Exhibit A” attached to this Notice provides a more detailed description of the preliminary Scope of Services.

Any consultants interested in submitting a Letter of Interest (“LOI”) to respond to the RFP is invited to do so by **5:00 p.m. (Eastern), on July 17, 2015**. LOI’s should include information demonstrating that the Firm is qualified to perform the services required for a project of this type. (See page 2 below for further details on the required content for the LOI submission). **Interested consultants are required to submit one original and three copies of the LOI**. Once the Commission reviews the LOIs received, it will select several interested and qualified Firms in order to further refine the Scope of Services and solicit sufficient responses to the RFP. The Selected Interested Firms will then be invited to submit a response to the RFP. The deadline for responses to the RFP is **5:00 p.m. (Eastern), on September 4, 2015**.

Firms interested in receiving the RFP may request a draft copy from the Commission’s Procurement Manager. Interested Firms may submit specific questions regarding the LOI requirements. Any questions **shall** be addressed in writing and emailed to: kevin.golick@ohioturnpike.org. Please do not contact the Commission by phone. Do not address your questions to anyone other than Mr. Golick. The final Inquiry Deadline for the LOI is **5:00 p.m. (Eastern), on July 2, 2015**. Answers to all questions will be compiled, and copy of each question and the Commission’s response will be sent via email to Firms that so request (email address must be provided), and will also be posted on the Commission’s Website, www.ohioturnpike.org.

LOI’s must be submitted by 5:00 p.m. (Eastern) on July 17, 2015 to the following address (LOI’s sent via email are not acceptable):

**Ohio Turnpike and Infrastructure Commission
Attn.: Kevin Golick, Procurement Manager
682 Prospect Street
Berea, Ohio 44017**

REVISED
LETTER OF INTEREST CONTENT FOR PROJECT NO. 71-15-02
(Not to exceed ten (10) pages)

1. Describe the organization and principal shareholders/partners therein. List the location of the principal office and any other offices. Also, specify the number of professional personnel, by discipline, and those based in the Ohio office in which the bulk of the work will be performed.
2. Identify the proposed Project Manager and other key staff members. Address the experience of the key staff members on similar projects. Provide only the résumé of the proposed Project Manager. ~~The proposed Project Manager must be a professional engineer registered in the State of Ohio.~~
3. Provide a description of your Project approach, not to exceed two (2) pages. Confirm the firm's proposed technical approach, cost containment practices, innovative ideas for this type of project and any other relevant information concerning your firm's qualifications to perform the services contemplated.
4. Describe your quality control and quality assurance programs for providing technical and administrative direction control to assure conformance to acceptable standards of quality.
5. List significant subconsultants and include key subconsultants' staff, their categories of service and the percentage of work to be performed by each proposed subconsultant.
6. Provide references for recently completed similar projects from three (3) entities, preferably governmental organizations other than the Ohio Turnpike and Infrastructure Commission. For each reference/project listed, provide a contact name and phone number.
7. Describe the capacity of your firm's staff and its ability to perform the work in a timely manner relative to present workload and the availability of assigned staff.

Items 1 through 7 must be included in the LOI, which should not exceed ten (10) pages on single sided, 8 1/2" x 11" sheets of paper. To be considered, **one (1) original and three (3) copies of the LOI must be submitted no later than 5:00 p.m. (Eastern), on July 17, 2015.**

EXHIBIT A
DRAFT SCOPE OF SERVICES
PROJECT NO. 71-15-02
GEOGRAPHIC INFORMATION SYSTEM
IMPLEMENTATION SERVICES

A. INTRODUCTION

This RFP is being issued to solicit a consultant to develop a user-friendly portal for accessing and managing (and potentially adding data to) the Commission's centralized storehouse of data. This preliminary Scope of Services, which refines and phases the concepts from the Commission's Enterprise GIS Strategic Plan, dated August 21, 2014, is subject to further refinement through the process set forth in the RFP. Overall, the consultant will be responsible for the completing the following services for each Task item identified within the Project Phases:

1. Evaluate and format the current inventory of data
2. Develop a front-end that end-users will utilize to manage data
3. Develop a front-end to obtain/view information in a variety of formats

The Selected Consultant's deliverables shall allow users to seamlessly switch back and forth between viewing a database record as point/line/shape on a traditional Geographic Information System (GIS) map, in a report, or as a page in a form, where applicable.

The end-product provided shall be developed with the intent of assisting the Commission in following its Mission statement:

“ To be the Industry leader in providing safe and efficient transportation services to our customers, communities and partners ”

B. GIS PLATFORM INFORMATION

In general, the Commission's GIS program shall be a hybrid of a typical cloud-based and a network only setup. The end result is that the data is stored on the Commission's network, but the web portal and connection reside outside of the Commission firewall. The current System Architecture (shown on page 22 of the Strategic Plan dated 8/21/2014) relies on the use of ESRI GIS software, ArcGIS Server, ArcGIS Online, Active Directory and Microsoft SQL Server and concentrates on a service-oriented deployment approach. As part of the implementation, the current architecture will require expansion beyond the firewall to accommodate secure access outside of the Commission's network for field related data collection and possibly allow connections to web services from/to other state agency data.

C. GENERAL SYSTEM REQUIREMENTS

The overall program provided must allow the Commission to analyze available data on an individual or system-wide basis. This range is required so that decisions by Executive Level Staff (system-wide) and Non-Executive Staff (day-to-day activities) will be made using the same information. As a result, both groups of Commission Staff will be working in parallel paths, thereby providing a more efficiently managed organization.

All Commission created data is to reside on the Commission Network. Additionally, all Quality Control\Quality Assurance (QC\QA) shall be completed on the Commission network. All front-end programming must be developed with the intent of making the Commission data accessible from outside the Commission network. Initially, no public access will be granted, however, the provided program must be capable of allowing limited data access on its public web page in the future.

During development of submittals, the consultant shall be responsible for considering the possibility of investigating existing data, how statewide data available through other agencies (i.e. OGRIP) can be utilized, identifying if further data is available/feasible for importing into GIS, data conversion (electronic or otherwise) required, data collection (field collection should be limited in Phase 1), or any formatting of data. Below is an outline that is provided to give more detail on what tools are requested to be provided. The Selected Consultant shall deliver the Tasks within each Phase in accordance with the schedule deadlines accepted by the Commission.

PHASE I

Task 1 – Strip Map/Facility Viewer Tool

- **Tool’s Intent:** This tool will take the existing GIS map and Microsoft Access database(s) to create a reference tool for Commission personnel. The goal of this tool is to increase staff comfort and support for implementing centralized data storage. The tool provided shall include forms that are familiar to Commission staff, but will allow a user to switch to a GIS map view of the asset selected and vice versa (e.g. map to form).
- **Displayed Data:** Mileposts, Facilities, Lane Closures, Bridges, Crossovers, Monuments, Centerline, Regional Boundaries (county, township, municipal, Commission maintenance, etc.), Portable Changeable Message Boards, or any other applicable information currently available.
- **Availability:** The tool is to be available Turnpike wide.

Task 2 – Pavement Management Viewer Tool

- **Tool’s intent:** This tool will be utilized to manage the Commission’s pavement. The tool will be able to take available Commission and non-Commission data and designate a Commission rating for various segments of Turnpike roadway. The tool will be utilized to better focus budget expenditures of Maintenance and Engineering projects towards the pavement segments most in need of attention.
- **Displayed Data:** Pavement rating information (IRI, PCR, etc.), pavement maintenance activities (full-depth repair, crack sealing, etc.), resurfacing data, complaints, and any other related pavement related items to manage the Commission’s pavement.
- **Availability:** The tool shall be available for Engineering and Maintenance staff
- **Other:** The consultant shall also consider the possibility of incorporating Pathweb Services (ODOT Data)

Task 3 – Training

- The Consultant shall also provide training on the use of the implemented tools. At a minimum the Consultant shall cover the following topics:
 - Maintain, collect, and manage data
 - Troubleshooting

Task 4 – Support

- The Consultant shall provide technical support for the implemented tools for up to one (1) year from the date of full implementation.

PHASE II

Task 1 – Traffic Incident Management Viewer

- **Tool’s Intent:** This tool will be utilized to manage all traffic related items including ITS asset locations/equipment, track overweight/overdimensional permitting, lane closure requests, analyze historical traffic issues, identify alternate routes, etc. It is understood that due to the growth potential of this tool, multiple tools may be required to manage the collected data.
- **Displayed Data:** ITS assets, permitting information, Commission & construction lane closures, historical traffic accidents, roadway networks, bridge heights, and any other items that could potentially cause traffic problems if not properly tracked.

- **Availability:** The tool shall be available to Maintenance, Engineering, Safety, Marketing & Communications, and Patrol staff
- **Other:** The consultant shall also consider the possibility of incorporating Pathweb Services (ODOT Data) and integrating with the upcoming implementation of an ITS program.

Task 2 – Facilities Management

- **Tool’s Intent:** This tool will be utilized to manage Turnpike data, develop maintenance and inspection schedules, track activities for all of the Commission’s facilities, and organize construction plans for each aspect. It is understood that due to the amount of information to be managed, that this tool may be divided into multiple tools tasked to manage groups of like data.
- **Displayed Data:** Bridges, buildings, roadways, light poles, signs, storm water assets, underground storage tanks, EZPass equipment, etc.
- **Availability:** The tool(s) shall be available Turnpike-wide
- **Other:** Due to the expansive nature of this tool, the tool(s) provided shall be capable of being easily expanded to include additional layers of information.

Task 3 – Mobile Field Inspection

- **Tool’s Intent:** This tool will be utilized to complete various types of inspections using either “smartphone devices,” tablets, GPS units or other mobile devices. Initial inspections may include, but not limited to, storm water SWP3 inspections, oil/water separator maintenance inspections, and project compliance inspections.
- **Displayed Data:** Information applicable to the specific mobile inspection tool.
- **Availability:** The data collected during Mobile Field Inspections will be available to the applicable parties managing the data. Upon completing QC/QA, the data will be loaded into the applicable database layer/table.
- **Other:** Due to the expansive nature of this tool, the tool(s) provided may be limited to collecting information for existing layers or other applicable information relating to the existing layers that won’t result in the creation of a new layer.

Task 3 – Training

- The Consultant shall also provide training on the use of the implemented tools. At a minimum the Consultant shall cover the following topics:
 - Maintain, collect, and manage data
 - Troubleshooting

Task 4 – Support

- The Consultant shall provide technical support for the implemented tools for up to one (1) year from the date of full implementation.

ADDITIONAL INFORMATION:

Additional phases may be scoped and incorporated into the Contract based upon the consultant’s performance, project management, and tool evaluations.

Below are examples of data layers that are currently in GIS and other information that will need to be included in the provided GIS program:

Examples of Available GIS Data

The screenshot shows the ArcCatalog interface. The title bar indicates the file path: Network GIS Drive\Data_Management\GIS_Data\[Final]Data.mdb. The menu bar includes File, Edit, View, Go, Geoprocessing, Customize, Windows, and Help. The Catalog Tree on the left shows a folder structure under GIS_Data, including subfolders like Access_Tables, Aerial_Photos, County_Maps, download, Drawings, GPS_Projects, SIGN DATA TABLES, VEGETATION DATA TABLES, and [Final]Data.mdb. The [Final]Data.mdb folder is expanded, showing a list of datasets. The Contents pane on the right displays a table of these datasets with columns for Name and Type.

Name	Type
PLANIMETRIC_CUYAHOGA	Personal Geodatabase Fea...
PLANIMETRIC_LORAIN	Personal Geodatabase Fea...
PLANIMETRIC_LUCAS	Personal Geodatabase Fea...
PLANIMETRIC_MAHONING	Personal Geodatabase Fea...
Planimetric_OTC	Personal Geodatabase Fea...
PLANIMETRIC_TRUMBULL	Personal Geodatabase Fea...
PLANIMETRIC_WOOD	Personal Geodatabase Fea...
ANA_Buffer5K	Personal Geodatabase Fea...
AREA_Sections	Personal Geodatabase Fea...
AREA_StmReg	Personal Geodatabase Fea...
FAC_AuxSaltDome	Personal Geodatabase Fea...
FAC_MBMonuments	Personal Geodatabase Fea...
FAC_MntBldg	Personal Geodatabase Fea...
FAC_OTCAccessPnts	Personal Geodatabase Fea...
FAC_Service_Plaza	Personal Geodatabase Fea...
FAC_Toll_Plaza	Personal Geodatabase Fea...
FAC_Tree	Personal Geodatabase Fea...
FAC_USTList	Personal Geodatabase Tab...
FAC_WeedComplaints	Personal Geodatabase Fea...
INFO_EPAHwySegments	Personal Geodatabase Fea...
INFO_HUC_12_Watersheds	Personal Geodatabase Fea...
INFO_HUC_8_Watersheds	Personal Geodatabase Fea...
INFO_Municipality	Personal Geodatabase Fea...
INFO_NPDES_Permits	Personal Geodatabase Fea...
INFO_Ohio_Counties	Personal Geodatabase Fea...
INFO_OTC_Counties	Personal Geodatabase Fea...
INFO_OTC_IMAGERYTILES	Personal Geodatabase Fea...
INFO_OTC_MjrRoads	Personal Geodatabase Fea...
INFO_OTC_Stream	Personal Geodatabase Fea...
INFO_OTC_StreamMajor	Personal Geodatabase Fea...
INFO_Township	Personal Geodatabase Fea...
INFO_Water	Personal Geodatabase Fea...
Insp_Bridges	Personal Geodatabase Fea...

Other data not in GIS that will need formatted and imported

- Original construction plans
- Third-lane and other facility modification plans
- Accidents