

09-24-18 Posting Date
Training Courses Offered
LRFD for Highway Bridge Superstructures

The Department is offering a two-day training class to be held on October 15-16, 2018, at the Ohio Department of Transportation, 1980 West Broad Street, Conference Room GA, Columbus, Ohio. Please sign-up on NHI web site.

Course Number: FHWA-NHI-130081A
Course Title: LRFD for Highway Bridge Superstructures (2-day Steel ILT)

This updated course describes Load and Resistance Factor Design (LRFD) for steel highway bridge superstructures. It provides a combination of instructor-led discussions and workshop exercises. The course also includes LRFD theory applied to design examples and illustrates step-by-step LRFD design procedures. The curriculum follows the AASHTO LRFD Bridge Design Specifications, 7th Edition, 2014 (AASHTO LRFD), including the approved 2015 interims.

The training includes the extensive use of student exercises and example problems to demonstrate overall design, detailing, and construction principles addressed in the reference materials. It affords hands-on experience in LRFD design and detailing of steel highway bridge superstructures.

The curriculum materials are comprised of a comprehensive reference manual (FHWA Publication No. FHWA-NHI-15-047), lecture and workshop exercises intended to promote or enhance knowledge of AASHTO LRFD, and a participant workbook for lecture notes and exercises.

The curriculum material includes the following major topics:

- 1 General superstructure design considerations
- 2 Preliminary design concepts for steel I-girder superstructures
- 3 Steel I-girder design

Outcomes

Upon completion of the course, participants will be able to:

- 1 Describe the bridge superstructure design and construction process in accordance with the current AASHTA LRFD specification.
- 2 Apply the appropriate current AASHTO LRFD specification articles dealing with selection of bridge type, size and location.
- 3 Apply the appropriate current AASHTO LRFD specification articles dealing with bridge economics.
- 4 Apply the appropriate current AASHTO LRFD specification articles dealing with bridge materials.
- 5 Describe the appropriate current AASHTO LRFD specification articles dealing with evolution of bridge design codes.
- 6 Apply the appropriate current AASHTO LRFD specification articles dealing with bridge loads and load combinations.
- 7 Apply the appropriate current AASHTO LRFD specification articles dealing with structural analysis.

- 8 Apply the appropriate current AASHTO LRFD specification articles dealing with steel bridge superstructure design.
- 9 Demonstrate the use of the current AASHTO LRFD specification requirements for superstructure design through the completion of step-by-step procedures, participant exercises, and design examples.

Target Audience

This course has been developed for the needs of practicing public and private sector structural engineers with one to ten years of experience. The primary audience is Agency and consultant structural designers. Pre-training Competencies: Individuals attending this course should have a minimum BSCE degree and should complete the Web Based Training Course NHI-130081P prior to the first day of class. They should also have a working knowledge of the current AASHTO LRFD and should have relevant design experience using this specification on at least one bridge superstructure.

Training Level: Intermediate
 Fee: 2018 - \$850 Per Person; 2019 - \$850 Per Person
 Length: 2 days (CEU: 1.3 Units)
 Class Size: Minimum 20, Maximum 40

NHI Customer Service: (877) 558-6873 nhicustomerservice@dot.gov

08-27-18 Posting Date
Research Proposal Requests
Response Due Date: 09-28-18

On behalf of Ohio’s Research Initiative for Locals (ORIL), ODOT’s Research Section is currently accepting proposals for the project listed in the table below.

To view the RFP, please click on the RFP solicitation number. To review the formatting and submission guidelines for ORIL proposals, please visit <http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/researchmanual/Pages/ODOT%20Research%20Forms.aspx>.

To open a template for developing an itemized budget, please visit <http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/researchmanual/Pages/ODOT%20Research%20Forms.aspx>

and select the form titled “BudgetForm” from the list. **Be sure to review the guidelines carefully as they differ somewhat from ODOT’s proposal formatting guidelines.** Non-compliance with the ORIL proposal formatting and submission guidelines is cause for the rejection of a proposal

RFP Solicitation #	Project Title
2019-ORIL2	Synthesis of Regulations and Laws Pertaining to Roadway/Rail Line Intersections on Ohio's Local Transportation System

All questions concerning the RFP, including technical clarifications for the project as well as formatting and submission of proposals, should be submitted to ORIL@dot.ohio.gov or 614-644-8135. Clarifications will be posted to this website on the above table under the column titled “clarifications” as they become available, so check here regularly for updates. Cost estimates for the posted projects are not available. Proposals for projects not included in the above list are not being accepted at this time.

Proposals must be submitted as one complete PDF file to ORIL@dot.ohio.gov. **File size for proposals is limited to 20 mg.** In order to be considered, your submission must be **received** by ORIL by **3:00 PM (ET) on September 28, 2018. Absolutely no extensions will be granted to this deadline.** All items *received after 3:00 PM (ET) on September 28, 2018* will not be considered. An email confirmation from ORIL will be sent to the submitting email address acknowledging that the submission has been received. It is the submitters’ responsibility to ensure that their submission has been received by ORIL by the stated deadline. The confirmation email from ORIL is the only acceptable proof that a submission has been made. In the event a submitter wants to challenge whether or not their submission was received by the deadline, the confirmation email from ORIL will be the **only** evidence accepted. Failure on the submitter’s part to provide a copy of the ORIL confirmation email will result in a submission being considered late and therefore ineligible for consideration.

ORIL’s research program is not a grant program. All research projects are treated as reimbursement contracts for services rendered. ORIL projects utilize ODOT’s standard research contract. To review ODOT’s standard research contract, please go to <http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/Pages/Standard-Research-Agreements.aspx>. If your organization is unable to accept the terms of this contract, **do not submit a proposal for consideration.** Submission of a proposal is considered an acceptance of the standard research contract. The ORIL program operates in accordance with the ORIL Guidebook. To view the Guidebook, please visit <http://www.dot.state.oh.us/groups/oril/guidebook/pages/default.aspx>.

In accordance, all ORIL projects are subject to the policies and procedures outlined in Chapter 5 of the ODOT RD&TT Manual of Procedures. To review the manual, please visit

<http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/researchmanual/Pages/default.aspx>.

All posted projects will be funded through ODOT’s State Planning & Research, Part 2 program at a ratio of 80% federal funds and 20% state funds. All posted projects are expected to begin during fiscal year 2019 (November 1, 2018 – June 30, 2019); specific start dates for individual projects are not available unless stated in the posted RFP.

The ORIL research program is open to the entire transportation research community, including public and private universities and consultants. ORIL does not prequalify researchers and accepts submissions from out-of-state organizations. **Submissions from non-Ohio based entities must include an Ohio-based subcontractor or partner that has at least 20% of the total project hours or cost.** ORIL reserves the right to reject any and all proposals. As the contracting agent for ORIL, ODOT is an equal opportunity employer. All projects are subject to the availability of funding.

Thank you for your interest in transportation research in Ohio.

08-20-18 Posting Date REMINDER
07-30-18 Posting Date
Division of Engineering Web Cast Updates

The ODOT Division of Engineering will soon begin providing web cast updates of recent changes to manuals, standards, policies and guidance. The goal of these web casts is to improve our communication of these important changes to our districts, consultants, local agencies and contractors. New web casts will be provided roughly one month after the regularly scheduled July and January DRRC updates. These updates will be high level with the intention of bringing the changes to the attention of our customers.

The first web cast will be Thursday, August 30, 2018 at 12:00pm. Viewers will also be afforded the opportunity to ask questions via email during the presentations. The web casts will be recorded and available on the Division of Engineering web page for future reference.

To view the updates you must do a one-time registration at the below link. Once registered you will receive an email a short time before every future web cast that will provide you a link to access the upcoming on-line presentation along with an agenda of topics.

http://www.dot.state.oh.us/drcc/documents/dot_rrc_engineering_signup.html

Please contact Christi Collins at Christi.collins@dot.ohio.gov in the Office of Roadway Engineering if you have any issues getting registered.

08-13-18 Posting Date
September 4, 2018 Programmatic Group
Tentative DBE, EDGE and SBE Goals

The projects listed for the 09-04-18 Programmatic Consultant Selection Group under the Future Consultant Program heading (shown below on this page of the web site) include a tentative listing of the projects assigned DBE and EDGE goals. Also included will be the project(s) assigned as an SBE Set-Aside. Please note that this list is preliminary and may change in the actual posting.

08-06-18 Posting Date
Information for September 2018 Programmatic Group

District 7, MOT-75-14.41

District 7 has gathered existing plans, studies and information for projects which will be posted in the September 2018 Programmatic Group. Consultants are encouraged to refer to the documents in the project specific folders before preparing their Letters of Interest. Individual meetings with the District personnel are not necessary. The documents are available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D07/2018%20September%20Programmatic/PID%20108619%20MOT-75-1441/>

07-30-18 Posting Date
Division of Engineering Web Cast Updates

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http://www.dot.state.oh.us/drcc/documents/dot_rrc_engineering_signup.html

Please contact Christi Collins at Christi.collins@dot.ohio.gov in the Office of Roadway Engineering if you have any issues getting registered.

06-29-18 Posting Date
Office of Consultant Services

The Office of Consultant Services is pleased to announce the addition of Lindsey Pflum, P. E., to our team as a Project Analyst. Lindsey comes to our office from the Office of Estimating. Please join us in welcoming her to our staff.

06-25-18 Posting Date
Revised Rates for Calculation of Fixed Fee

The revised average overhead rate for fixed fee calculation will be 155.27% with NO separate rate for geotechnical services. This rate was calculated based on a weighted average with the weighting based on funds encumbered from FY 2013 through FY 2017 (as of 12-31-17). Sixty (60) firms were included in calculations for the overall rate.

The revised rates will **apply to proposals for agreements and modifications received in Consultant Services on or after July 1, 2018**, and similarly for task order proposals (for existing agreements) received in District or other offices. If a project profile was established in SAFe prior to July 1st the rate will remain at the rate established at the time of profile creation.

The revised average overhead rates are permanently posted under the heading *Proposal & Fee Information* on the Consultant Services website. Questions should be directed to Dan Krajcovic, Susan Stehle or Mat Mauger in the Office of Consultant Services.

**06-18-18 Posting Date
CUY/MED-71 Interchange Study
PID No. 107789
Preliminary Notification Concerning Request for Letters of Interest**

On **June 25, 2018**, the Department will post a request for letters of interest for a preliminary planning study of Interstate Route 71 in the Cities of Strongsville and Brunswick for an interchange at Boston Road in Cuyahoga and Medina Counties.

Questions regarding this project may be directed to Keith Hamilton in District 12 at 216-584-2127 until posting of the Request for Letters of Interest. Previous studies are available at the following ftp site:

ftp://ftp.dot.state.oh.us/pub/Districts/D12/Production/Consultant_Programmatic/107789/

Tentative Selection Schedule

Preliminary Notification	06-18-18
Request for Letters of Interest	06-25-18
Letter of Interest Due Date	07-16-18
Selection	July 2018
Authorization	September 2018

The Department reserves the right to amend the Selection Schedule.

**06-18-18 Posting Date
ODOT/ACEC Statewide Matchmaking Event**

The Ohio Department of Transportation and the American Council of Engineering Companies are pleased to announce a statewide Matchmaking Event to help connect prime consultant companies with DBE/subconsultant companies. The companies will interact one-on-one. Prime consultants will explain the services they are seeking and DBE/subconsultants will describe the services they offer.

Please be prepared to offer brief, succinct remarks (10 minutes max) and to speak with multiple companies. Subconsultants should bring copies of their capability statement with NAICS code(s).

When: **August 7, 2018 8:30 am - 12:30 pm**
Where: **Xenos Christian Fellowship Center**
1390 Community Park Dr.
Columbus, OH43229

For additional information, please contact Lynn Stevens at 740-833-8042 or by email at lynette.stevens@dot.ohio.gov

Registration is available at the following website:

<https://odotacecprofessionalservicesmatchmaker2018.eventbrite.com>

**06-04-18 Posting Date
Training Classes for Post Construction BMP**

Due to the recent changes in the Construction General Permit (CGP), there will be revisions to the Post Construction BMP Sections of the L&D Manual - Vol 2 in July. The Office of Hydraulic Engineering will be offering training on these changes. There will be 2 training sessions offered at Central Office for ODOT consultants. There is no cost for this training. No registration form is required; however, please RSVP to Rebecca Humphreys at Becky.Humphreys@dot.ohio.gov if planning to attend.

July 17, 2018 – C.O. Auditorium
August 14, 2018 – C.O. Auditorium

The classes will be from 8:30am – 4:00pm. The following updates will be discussed:

- Updated WQ_v from new Construction General Permit with updated detention basin example
- Updated WQ_F from new Construction General Permit with updated manufactured system example
- Updated Routine Maintenance discussion
- Additional discussion of necessary plan sheet components for vegetated filter strips and vegetated biofilters
- Discussion of narrow vegetated filter strips for bike paths or sidewalks
- Incorporation of conclusions from the first year of BMP inspections (photos, emphasis in plans, common issues, etc.)

**05-21-18 Posting Date
2018 National Hydraulic Engineering Conference (NHEC)**

The Russ College of Engineering and Technology at Ohio University, in cooperation with The Ohio Department of Transportation, is proud to host the 2018 National Hydraulic Engineering Conference (NHEC), Tues. thru Fri., August 28-31, at the Hyatt Regency in Columbus, Ohio. Themed “Advancing Hydraulic Engineering through Innovation and Resilient Design,” the ninth biennial conference will address the challenges that transportation agencies face to construct, maintain, sustain, and improve hydraulic structures in the physical, natural, social, and economic environments of today and tomorrow.

Presentation topics will include stream stability, water quality, stormwater management, climate change, scour, modeling, culvert durability, resilient design, and related areas. The conference will also feature demonstrations, field trips, and short courses for surface transportation officials, including hydraulic engineers, environmental engineers, National Pollutant Discharge Elimination System (NPDES) specialists, roadway designers, and other professionals.

Please visit the website for the agenda and to register:

<https://www.ohio.edu/engineering/nhec/>

05-14-18 posting Date

2-D Hydraulic Modeling Class

The Department will host a 2-D Hydraulic Modeling class this summer through the *FHWA Everyday Counts-4 initiative*. The Department anticipates that 2-D modeling will replace traditional 1-D modeling (HEC-RAS) on selected complex River Analysis projects as early as 2019. The course will be held at Central Office on July 17-19, 2018. Consultants will be responsible for providing their own laptop with the software installed per the minimum specifications in the course description. Additional information will be sent to registered participants on where to obtain the software prior to the course.

Please see the course description at the following link:

https://www.nhi.fhwa.dot.gov/training/course_search.aspx?sf=0&course_no=135095.

To access the LTAP PDF flyer with the registration link for this course:

http://www.dot.state.oh.us/Divisions/Planning/LocalPrograms/LTAP/FlyersJuly09/Two_Dimensional_Hydraulic_Modeling_-_NHI_2018.pdf

We anticipate holding an additional class at Central Office in September.

05-04-18 Posting Date

VAR-STW Public Transit-Human Services Transportation Policy Implementation

PID Nos. 105805, 106122

VAR-STW Transit Support Services

PID No. N/A

These agreements were previously posted to ODOT's website on March 26, 2018; however, the Department has determined that the response was inadequate under 23 CFR 172.7, and has decided to re-compete under a new solicitation. These projects are included in the May 7, 2018 Programmatic Consultant Selection Group currently posted for Requests for Letters of Interest.

05-04-18 Posting Date

Consultant Prequalification Requirements and Procedures

Right of Way Acquisition Services

Updates in Requirements - Value Analysis

The Department currently prequalifies consultants for Right of Way Acquisition Services, value Analysis. The Department has revised the requirements and submittal requirements effective May 7, 2018. The following hi-lighted revisions to the *Consultant Prequalification Requirements and Procedures, April 2016* will be implemented for the **Value Analysis** category:

2.46 - Value Analysis

B. Requirements

1. Knowledge of basic appraisal procedures, awareness and understanding of ODOT policy and procedures regarding the preparation of the Value Analysis format.
2. Ability to read and understand complex right of way and construction plans.
3. Must be either a Certified or Licensed Appraiser, or satisfactory completion of the following ODOT training classes or their equivalent:

~~ODOT Right of Way Plan Reading (or equivalent).~~

~~ODOT Construction Plan Reading (or equivalent).~~

a. **ODOT Highway Plan Reading**

b. ODOT Appraisal 101 - Federal & State Acquisition Laws and the ODOT P & P Manual Sections 4100 thru 4500. (ODOT Acquisition Laws may be used as a substitute).

c. ODOT Appraisal 102 - Valuation of Simplistic Acquisitions.

~~ODOT Appraisal 122 - ODOT Project Data Book.~~

d. ODOT Appraisal 105 - Appraisal Review - Introductory Course.

ODOT may also give consideration to individuals who have prepared similar formats in other states so long as documentation and references are provided which prove the individual's ability to comply with the conditions for the waiver of appraisal.

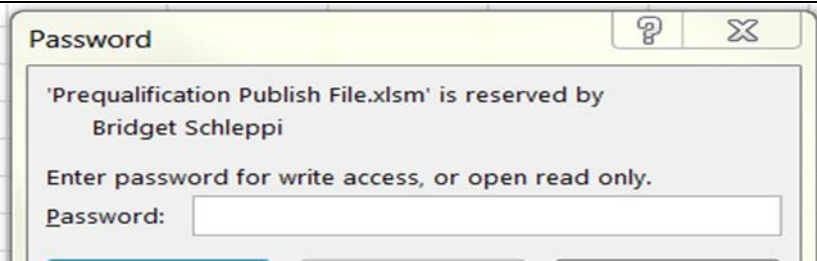
**04-23-18 Posting Date
Revision to the Consultant Services Website
Updated Prequalification Lists in Excel Format**

Consultant Services has updated the Prequalification Lists for Engineering, Environmental, Right of Way Acquisition and Construction Inspection to an Excel file. Complete instructions on how to use this new tool are included as the first Tab, along with the new tables which now are combined into one searchable Excel file in lieu of the individual spreadsheets.. Full instructions on how to use the Excel file and tables are included under the Instructions tab, when you open the file.

Access is through our website under the Heading "Prequalification Information".

To begin, you will need to access the site and proceed with:

When the Prequalification file is first opened you will see the message below.
Click on **Read Only** button.



**04-02-18 Posting Date
Information for May 2018 Programmatic Group**

District 6, UNI-42-3.91/4.38, PID No. 107822

District 6 has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/May%20Programmatic%202018/UNI107822/>

District 6, PIC-188-0.22, PID No. 96270

District 6 has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/May%20Programmatic%202018/PIC96270/>

**03-26-18 Posting Date
Save the Date - Geotechnical Consultant Workshop**

On **June 5, 2018**, the ODOT Office of Geotechnical Engineering (OGE) will host a **Geotechnical Consultant Workshop** at the **Central Office Hilltop Complex** (1980 West Broad Street, Columbus, Ohio) in the **auditorium** from **9:00 a.m. to 3:00 p.m.** The Workshop agenda is being developed. If you have a geotechnical topic you would like us to address or if you have an ODOT project of geotechnical interest you would like to present, please send an e-mail to chris.merklin@dot.ohio.gov.

Questions and comments are encouraged throughout the Workshop, however, please refrain from asking project specific questions.

There is no need to pre-register, and there is no cost. There is no limit to how many people may attend from each company. Attendance at the entire workshop is worth 4.75 continuing professional development hours. If you have any questions, please call Chris Merklin at 614-275-1361 or send questions by e-mail to chris.merklin@dot.ohio.gov.

**03-26-18 Posting Date
Information for May 2018 Programmatic Group**

District 7, Various Projects

District 7 has gathered existing plans, studies and information for projects which will be posted in the May 2018 Programmatic Group. Consultants are encouraged to refer to the documents in the project specific folders before preparing their Letters of Interest. Individual meetings with the District personnel are not necessary. The documents are available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D07/2018%20May%20programmatic/>

03-19-18 Posting Date
Request for Letters of Interest
Emergency Repairs in Districts 9 and 10

The Department has posted Requests for Letters of Interest for 6 consultant agreements to provide district-wide services for Emergency Flood Event Projects in Districts 9 and 10.

General Engineering Services will include plan preparation, geotechnical services, environmental documentation, and right of way plan preparation.
Construction Inspection/Construction Administration Services will include general construction inspection and construction administration with project inspectors, soils and aggregate inspectors, and construction engineers.

The selection process will use the Department's electronic letter of interest system. Instructions for submitting an electronic letter of interest are available on the Consultant Services page of the Department's website, address as follows:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

The selection schedule is as follows:

Request for Letter of Interest	03-19-18
Letter of Interest Due Date	03-26-18
Selection	April 2018

The Department reserves the right to amend the Selection Schedule.

03-19-18 Posting Date
VAR-STW Public Transit-Human Services Transportation Policy Implementation
PID Nos. 105805, 106122
Preliminary Notification Concerning Request for Letters of Interest

On **March 26, 2018**, the Department will post a request for letters of interest to provide assistance in implementation for a state-wide mobility transformation program and policy framework for greater regional health and human services transportation coordination over multiple state agencies. A more detailed scope of services will be provided with the request for letters of interest. This project will include a DBE participation goal.

The selection process will use the Department's electronic letter of interest system. Instructions for submitting an electronic letter of interest are available on the Consultant Services page of the Department's website, address as follows:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

Tentative Selection Schedule

Preliminary Notification	03-19-17
Request for Letter of Interest	03-26-18
Letter of Interest Due Date	04-16-18
Selection	04-20-18
Authorization	July 2018

The Department reserves the right to amend the Selection Schedule.

03-19-18 Posting Date

VAR-STW Transit Support Services

PID No. N/A

Preliminary Notification of Request for Letters of Interest

On **March 26, 2018**, the Department will post a request for letters of interest to provide Support Services for the Office of Public Transit. A more detailed scope of services will be provided with the request for letters of interest.

The selection process will use the Department’s electronic letter of interest system. Instructions for submitting an electronic letter of interest are available on the Consultant Services page of the Department’s website, address as follows:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

Tentative Selection Schedule

Preliminary Notification	03-19-17
Request for Letter of Interest	03-26-18
Letter of Interest Due Date	04-16-18
Selection	04-20-18
Authorization	July 2018

The Department reserves the right to amend the Selection Schedule.

03-13-18 Posting Date

VAR-Statewide Data Governance

PID No. 107685

Preliminary Notification of Request for Letters of Interest

On **March 19, 2018**, the Department will post a request for Letters of Interest for statewide Data Governance as administrated by the Office of Technical Services. This project will include but not be limited to:

- Establish a data governance framework
- Review and of update of the current system and strategic plan
- Organizational change management plan
- Resource structure to support data governance standardizations
- Assist in creating a Data Governance Oversight Committee
- Development of data governance policy

The selection process will use the Department's electronic letter of interest system. Instructions for submitting an electronic letter of interest are available on the Consultant Services page of the Department's website, address as follows:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

The selection schedule is as follows:

Announcement	03-13-18
Website Posting	03-19-18
Letter of Interest Due Date	04-09-18
Selection	April 2018

The Department reserves the right to amend the Selection Schedule.

03-12-18 Posting Date
Wisconsin Department of Transportation
Transportation Engineering and Programming Study

Our counterparts in Wisconsin Department of Transportation have asked ODOT for assistance in reaching out to the consultant community in soliciting for services.

To satisfy the requirements of Wisconsin Act 59, the Wisconsin Department of Transportation (WisDOT) seeks to hire an independent engineer firm to deliver a transportation engineering and programming study by January 1, 2019. The solicitation for this study has been posted on WisDOT's **Doing Business** webpage:

<http://wisconsin.dot.gov/Pages/doing-bus/eng-consultants/solicitations/default.aspx>

The overall effort will be under the direction of WisDOT's Inspector General. The anticipated budget for this effort is approximately \$330,000, including the 9.0% fixed fee.

Section 9145 defines the three emphasis areas for the study as follows: (a) Reviews the standards of all other states related to transportation engineering and highway construction and recommends any best practices; (b) Analyzes the process the department of transportation

uses for determining project priority and assesses whether the process uses reasonable financing and completion time assumptions; and (c) Evaluates the allocation of funds to the state highway rehabilitation, major highway development, and southeast Wisconsin freeway megaprojects programs. The study will result in specific recommendations, including reforms, efficiencies, and best practices to improve the delivery of Wisconsin Department of Transportation engineering and programming activities. It is anticipated that the study deliverables will be submitted in sections, with the comprehensive review draft due by October 29, 2018.

Only those consultants/entities that have not previously conducted business with the State of Wisconsin will be eligible for this project. This restriction applies to all firms (prime and subconsultant) and includes predecessor companies. WisDOT retains the final decision regarding the eligibility of a given entity. From the responses, the top three teams will be interviewed on Friday, April 13 in Madison, WI.

For more information, please contact:

Brian Roper
Statewide Consultant Services and Project Management Section Chief
Wisconsin Department of Transportation
608.345.1498

03-12-18 Posting Date
Training for Risk Based Quality Inspection Forms
GoFormz Application
2nd Session Added

The Division of Construction Management is offering training for external consultants in GoFormz Application for recently implemented Risk Based Quality Inspection forms. GoFormz is a mobile and web based application that the ODOT Division of Construction Management, Office of Construction Administration has implemented to manage daily project quality inspection documentation and reporting. GoFormz data entry will be a requirement for the consultants who will be performing construction project management duties for the Department.

This training is being provided so attendees will gain a basic understanding of the GoFormz application and documentation requirements. **This training is not providing inspection methodology, nor is this training a prerequisite to become prequalified.**

The training session will be held on **Thursday, April 12, 2018** at ODOT Central Office, 1980 West Broad Street, Columbus, OH in the Auditorium from 9:00AM – 11:30AM.

Interested parties should contact Janet Treadway at 614-466-7514 or Tia Williams-Hayes at 614-644-6463 to register for session(s). You will need to have the following information ready to register: name and email of person attending. OR you can send an email to goformz.help@dot.ohio.gov with the registration information.

You need to register at least 5 days in advance of training

03-05-18 Posting Date
CUY-Opportunity Corridor

PID Nos. 77333, 96833

Preliminary Notification Concerning Request for Letters of Interest

On March 12, 2018, the Department will post a request for letters of interest to provide "Job Ambassadors" for Section 3 of the Opportunity Corridor identified as CUY-490/10-2.09/19.28, PID No. 96833. The selected consultant will be a subconsultant to a Prime Consultant already under contract with the Department. The selected consultant will attend neighborhood meetings, distribute information, and educate and connect residents impacted by the Opportunity Corridor Project and surrounding low-income communities to training opportunities in the area. A more detailed scope of services will be provided with the Request for letters of Interest.

The Request for Letters of Interest will be posted to the Consultant Services page of the ODOT's website at the following address:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

This will not be an electronic LOI submission. All LOIs will be mailed to the ODOT Central Office. Instructions will be included with the Request outlining format and page limits.

Tentative Selection Schedule

Preliminary Notification	03/05/2017
Website Posting - Request for Letter of Interest	03/12/2018
Letter of Interest Response Due Date	03/26/2018
Selection	April 2018

The Department reserves the right to amend the Selection Schedule.

03-05-18 Posting Date

MUS-70-10.66

PID No. 93006

Programmatic Consultant Selection Group No. 05-07-18

The Department will post a request for Letters of Interest for Programmatic Consultant Selection Group No. 05-07-18 including the project identified as MUS-70-10.66, PID No. 93306 This project will provide for a major rehabilitation of Interstate Route 70 through Zanesville including removal/replacement of existing concrete mainline and ramp pavement and deteriorated subgrade; partial widening to allow for proper Maintenance of Traffic; replacement of median barrier, lighting, drainage system, guardrail, and overhead signs; improving vertical clearance issues on overhead bridges and bridge deck replacements.

The Department has identified a list of Tasks that will be coordinated /completed by the design consultant team. The final contract bid package for this design-bid-build project will be completed by District 5.

The below paragraph explains the major list of design activities for the Consultant design team.

Bridge design services for four (4) structures along IR 70 Major Rehabilitation project. Design services requested for the following structures:
MUS-70-10.66 L/R (SFN 6002641 and 6002676)
MUS-70-11.42 (SFN 6002765)
MUS-70-11.59 (SFN 6002854).

The Department will provide Geotechnical Explorations for Br. No. MUS-70-1142. The Geotechnical Engineering will be provided by the design consultant. For all other above listed bridges the structure foundation designs, either historic borings will be used or if the structure borings are necessary; information will be obtained by the consultant design team.

The project Subgrade exploration and design will be completed by ODOT. The project Geotechnical Exploration Sheets will be completed by ODOT. The environmental documents/activities will be completed by ODOT.

The Department has included this project on this website under the Future Consultant Program & Selection Schedule heading for "Future Programmatic 05/07/2018":

http://www.dot.state.oh.us/Divisions/Engineering/Consultant/Consultant/Future%20Programmatic_05_07_18.pdf

Additional information is available on the District 5 ftp site with live documents for interested parties:

<ftp://ftp.dot.state.oh.us/pub/districts/D05/Projects/MUS/93006/>

02-19-18 Posting Date
Industry Notice
LOG/UNI/FRA-33 Smart Mobility - Phase 2
PID No. 105438
Design-Build

The Department is announcing an upcoming Design-Build Opportunity to design and construct the LOG/UNI/FRA-33-Smart Mobil – Phase 2. This project will complete a redundant loop network connecting to the Dublin Metro Data Center, TRC, and, the Marysville Fiber Network. This project has a preliminary estimate of \$ 6.6 million and will be delivered using a Two-Step Design-Build procurement.

The Department intends to post a Request for Qualification March 23, 2018, to shortlist the 3 most qualified Design-Build Teams. A Pre-SOQ submittal meeting will be held on Thursday, March 29, 2018. SOQs will be due April 20, 2018. For more information, see the following site:

<http://www.dot.state.oh.us/Divisions/ConstructionMgt/design-build/DesignBuild/US33%20SmartLoopPh2Announcement.pdf>

02-19-18 Posting Date
Training for Risk Based Quality Inspection Forms
GoFormz Application

The Division of Construction Management is offering training for external consultants in GoFormz Application for recently implemented Risk Based Quality Inspection forms. GoFormz

is a mobile and web based application that the ODOT Division of Construction Management, Office of Construction Administration has implemented to manage daily project quality inspection documentation and reporting. GoFormz data entry will be a requirement for the consultants who will be performing construction project management duties for the Department.

This training is being provided so attendees will gain a basic understanding of the GoFormz application and documentation requirements. **This training is not providing inspection methodology, nor is this training a prerequisite to become prequalified.**

The training session will be held on Thursday, March 15, 2018 at ODOT – Central Office- 1980 W. Broad Street, Columbus, OH 43223 in the Auditorium from 1:00PM – 3:30PM.

Interested parties should contact Janet Treadway @ 614-466-7514 or Tia Williams-Hayes @ 614-644-6463 or goformz.help@dot.ohio.gov to register for session(s). You will need to have the following information ready to register; name and email of person attending.

You need to register at least 5 days in advance of training.

**02-19-18 Posting Date
National Hydraulic Engineering Conference**

The Department is partnering with Ohio University, FHWA, AASHTO Technical Committee on Hydrology and Hydraulics, and TRB Committees AFB-60 (Hydrology and Hydraulics) and AFB-65 Storm Water to host the National Hydraulic Engineering Conference in Columbus this year. Additional information is available at the following web site:

<https://www.ohio.edu/engineering/nhec/>

**02-12-18 Posting Date
Consultant Prequalification Requirements and Procedures
Right of Way Acquisition Services
Clarifications/Updates in Requirements - Relocation, Relocation Review**

The Department currently prequalifies consultants for Right of Way Acquisition Services, Relocation and Relocation Review. In order to clarify the requirements for these services, the Department has revised the requirements and submittal requirements effective February 16, 2018. The following hi-lighted revisions to the *Consultant Prequalification Requirements and Procedures, April 2016* will be implemented for the **Relocation and Relocation Review** categories:

2.51 - Relocation

A. Definition

The provision of Relocation Assistance to eligible persons or businesses that are displaced from or by highway improvement projects.

B. Requirements

1. At least one year of experience in both residential and non-residential relocation, which is subject to 49 CFR, Part 24. The applicant must have participated in all aspects of relocation parcel clearance, or a cumulative total equivalent, to include a minimum of:
 - a. Six Residential Parcels with replacement housing payments
 - i. With at least three owner occupants and at least three tenant occupants
 - b. Five Non-Residential Parcels, not including any Personal Property Only Parcels.
 - c. Two Personal Property Only Parcels.
2. Ability to interpret and explain the Relocation Assistance Program along with thorough knowledge of 49 CFR, Part 24.
3. Successful completion (passing grade on all final exams) of ODOT's relocation training courses, or equivalent.
 - a. Relocation 101 – Basic Relocations (three days)
 - b. Relocation 201 – Advanced Residential Relocations (three days)
 - c. Relocation 202 – Advanced Non-Residential Relocations (three days)
4. Prior relocation experience on highway projects is preferred.
5. Ability to read, interpret and explain complex highway right of way and construction plans is necessary.

C. Submittal Requirements

Provide a detailed resume including:

1. Number of years of experience in Relocation Assistance.
2. A list of projects, with individual parcels identified, on which the applicant performed relocation services where 49 CFR, Part 24 applied. Experience on residential and non-residential relocation parcels should be specifically identified.
 - a. Include the names and contact information for each project's Relocation Reviewer and the Agency Project Manager.
3. A list of relocation training courses successfully completed (including location and year), along with proof of attendance.

2.52 - Relocation Review

A. Definition

Relocation Review is the process of reviewing the work performed by the person who is actively carrying out the relocation assistance function. This review is to assure that all relocation is performed in compliance with 49 CFR, Part 24 and ODOT policy and procedures.

B. Requirements

1. At least five years of extensive experience in both residential and non-residential relocation, which is subject to 49 CFR, Part 24. Experience supervising, reviewing, or correcting relocation work which has been performed by others is preferred. The applicant must have participated in all aspects of relocation parcel clearance, or a cumulative total equivalent, to include a minimum of:
 - a. Thirty Residential Parcels with replacement housing payments
 - i. With at least 15 Owner and 15 Tenant Parcels
 - b. Twenty Five Non-Residential Parcels, not including any Personal Property Only Parcels.
 - c. Ten Personal Property Only Parcels.
2. Ability to interpret and explain the Relocation Assistance Program along with thorough knowledge of 49 CFR, Part 24.
3. Successful completion (passing grade on all final exams) of ODOT's relocation training courses, or equivalent.
 - a. Relocation 101 – Basic Relocations (three days)
 - b. Relocation 201 – Advanced Residential Relocations (three days)
 - c. Relocation 202 – Advanced Non-Residential Relocations (three days)
4. Ability to read, interpret and explain complex highway right of way and construction plans.

C. Submittal Requirements

Provide a detailed resume including:

1. Number of years of experience in relocation assistance.
2. A list of projects, with individual parcels identified, on which the applicant performed relocation services where 49 CFR, Part 24 applied. Experience on residential and non-residential relocation parcels should be specifically identified.
 - a. Include the names and contact information for each project's Relocation Reviewer and the Agency Project Manager.
3. A list of relocation training courses successfully completed (including location and year), along with proof of attendance.
4. A list of projects on which the individual supervised, reviewed, or corrected relocation functions performed by others.

01-29-18 Posting Date
New Report Standards and Templates

Effective February 5, 2018, the Ohio Department of Transportation releases NEW Report Standards and Templates. ODOT asks all consultants, contractors and in-house developer's to

adhere to ODOT's Brand and Identity Report Standards available at transportation.ohio.gov/brand. The Report Standards provide clarity and direction on how to create more professional, usable, consistent and recognizable publications in accordance with ODOT's Brand and Identity Guidelines.

The ODOT's Brand site, at transportation.ohio.gov/brand, includes the full guidelines, as well as helpful supporting samples and template files.

01-29-18 Posting Date
Email Notification Subscriptions for Consultant Services

Subscriptions and updates regarding Consultant Services are now available via email through our webpage under the heading "EMAIL NOTIFICATIONS". There are 3 existing topics including Announcements, Future Programmatic, and Letters of Interest.

01-22-18 Posting Date **REVISED 01-24-18**
Research Proposal Requests
Response Due Date: 03-02-18

The Research Section at the Ohio Department of Transportation is now accepting proposals for the following studies:

RFP Solicitation #	Project Title
2018-27	CV Analysis for Smart Marysville Pilot
2019-01	Evaluation of Maintenance procedures for Hard Shoulder Running
2019-02	Evaluate the uses and technology for Autonomous Truck Mounted Attenuators (ATMA)
2019-03	Unmanned Aircraft Traffic Management Solutions for the State of Ohio
2019-04	Analyzing various data sources and evaluating effectiveness of providing travel time for non-freeways
2019-05	Eastern Massasauga Rattlesnake: Ohio Population Survey and Survey Technique Development
POSTPONED	Using Big Data Analytics to Improve Ohio's Transportation System
2019-07	Ecological Design Rules for Roadway Lighting
2019-08	Evaluate technologies to alert motorists to proximity of ODOT plow trucks involved in snow and ice removal operations
2019-09	Noise Wall Overhang Design
2019-10	Develop Efficiencies and Versatilities for Roadway Drainage Maintenance
2019-11	Evaluate opportunities to provide training simulation for ODOT snow and ice drivers
2019-12	Evaluate New Equipment or Technology Available for Roadside Fleet Repair
2019-13	Roadway Kinetic Energy Capture and Conversion
2019-14	Evaluate replacement of current post-construction groundcover with pollinator beneficial groundcover

Please read the requirements of each proposal section thoroughly. Changes have been made to our *Proposal Formatting and Submission Requirements* at the following site:

<http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/researchmanual/Forms/ProposalFormattingSubmissionRequirements.pdf>

Highlighted changes include:

- The proposal and budget form will be submitted using an online system, Formstack. You will complete general information on the form, then attach a MS Word and PDF of the proposal and the Excel budget form. After you click submit, you will receive a confirmation email. Attachments are limited to 14 MB.
- Emailed submissions will not be accepted.
- Non-Ohio based organizations must include an Ohio based partner within the proposal having at least 20% of the total cost or labor of the proposal.
- Questions regarding a RFP or submission process should be submitted using the RFP Inquiry form located on the RFP site.

Noncompliance with the formatting and submission guidelines is cause for rejection of a submission. ODOT reserves the right to reject any and all submissions.

Submissions must be **received** by **11:59 PM (ET)** on **the response due date listed above** in order to be considered. **Absolutely no extensions will be granted to this deadline.** It is advised that submitters allow adequate time to submit proposals in the event that firewalls prevent users from submitting proposals using the Formstack website. Proposals received after the deadline time, according to the ODOT computer time, will not be considered. Absolutely no extensions will be granted to this deadline no matter the circumstance. Additional information concerning submission requirements is available on the above listed site.

All questions concerning the solicitation should be directed to Research at 614-644-8135 or Research@dot.ohio.gov. Clarifications will be posted to the RFP site as they become available, so please check back to the RFP site for updates. Please feel free to forward this message to your colleagues.

To access the RFP site and obtain information on submission requirements at the following site:

<http://www.dot.state.oh.us/Divisions/Planning/SPR/Research/RFP/Pages/Strategic%20Research%20Plans.aspx>

Thank you for your interest in transportation research in Ohio.

01-08-18 Posting Date
2018 ODOT-ACEC Partnering Awards Process

The ODOT-ACEC 2018 Partnering Awards process documentation and call for nominations is now posted to this website under the heading "ODOT/ACEC Partnering". This Awards process was initiated through the ODOT/ACEC Partnering Conference. Nominations for candidate projects are due March 23, 2018, with awards presented at the 2018 Partnering Conference on May 31st.

The Categories for nominations have been revised in 2018 based on the projects Construction Value. In addition we have added a category for LPA ODOT-Let projects. Award for LPA-Local Let projects are not included.

01-02-18 Posting Date
2018 ODOT-ACEC Partnering Awards Notification

The ODOT-ACEC 2018 Partnering Awards call for nominations is quickly approaching. On January 8, 2018, ODOT and ACEC will post calls for nominations. This Awards process was initiated through the ODOT/ACEC Partnering Conference. Nominations for candidate projects will be due March 23, 2018, with awards presented at the 2018 Partnering Conference on May 31st.

The categories for nominations in 2018 have been revised based on the projects Construction Value. In addition we have added a category for LPA ODOT-Let projects. Award for LPA Local-Let projects are not included.

12-22-17 Posting Date
VAR-STW SEA AV/CV, Data System Analysis
PID No. 106875
Preliminary Notification Concerning Request for Letters of Interest

On January 16, 2018, the Department will post a request for letters of interest to perform and document the statewide Systems Engineering Analysis for Autonomous/Connected Vehicle (SEA AV/CV) projects in conformance with 23 CFR 940 and Section 1300 of the Traffic Engineering Manual. Included with this effort will be a review, and recommendations of necessary updates, to the existing statewide and MPO Regional ITS Architectures to ensure consistency with the developed SEA AV/CV document.

The goal of this effort is to create the statewide framework to guide current and future AV/CV deployments. The requirements of 23 CFR 940 will be handled at the program level to the extent possible via this effort rather than on a project-by-project basis.

The preliminary scope of services document is included below.

The Request for Letters of Interest will be posted to the Consultant Services page of the ODOT's website at the following address:

<http://www.dot.state.oh.us/divisions/Engineering/consultant/Pages/default.aspx>

Selection Procedures

The Department will use a two-step selection process including the initial submittal of a Letter of Interest, and a second step consisting of formal presentations/interviews with approximately 3 short listed firms. The initial submittal will utilize ODOT's electronic Letter of Interest (Lol) system.

Tentative Selection Schedule

Preliminary Notification	12/22/2017
Website Posting - Request for Letter of Interest	01/16/2018
Deadline to Submit Questions	01/29/2018
Answers Provided (No later than)	02/05/2018
Letter of Interest Response Due Date	02/12/2018
Short List Published	02/26/2018
Presentations/Interviews	03/09/2018
Tentative Authorization to Proceed	April 2018

The Department reserves the right to amend the Selection Schedule.

Prequalification Requirements

Prequalification with the Department will not be required for this agreement. However the consultant must have a certificate issued by the Ohio Secretary of State indicating that the firm is authorized to do business in Ohio.

DBE and EDGE Goals

This agreement will not include a DBE or EDGE Goal.

SCOPE OF SERVICES

General

The Department is seeking services to provide numerous deliverables related to Autonomous Vehicle/Connected Vehicle (AV/CV) deployments in Ohio.

The goal of this effort is the creation of Ohio's initial AV/CV planning documents that will:

- Provide specific recommendations for AV/CV data storage, management, and security; and
- Create a Business Plan to prioritize future AV/CV deployments; and
- Create the master plan for AV/CV data communication infrastructure in Ohio; and
- Highlight Public Private Partnership (P3) opportunities to support AV/CV in Ohio; and

- Create the statewide framework to guide current and future AV/CV application deployments complying with the Systems Engineering Analysis (SEA) requirements of 23 CFR 940. The product of this effort will be the SEA-AV/CV; and
- Create software requirements for an Ohio Integrated Data Exchange (if authorized)

Responsive proposals shall demonstrate knowledge and experience with, but not limited to:

1. 23 CFR 940; and
2. ARC-IT 8.0; and
3. Section 1300 of the Traffic Engineering Manual; and
4. Relevant U.S. DOT Standards;
5. AV/CV Messaging (BSM, SPaT, MAP, SSM, SRM, etc.); and
6. All applicable Industry Standards including but not limited to IEEE, ISO/TS, ASTM, ITE, NTCIP and most current SAE Standards (including J2945/x and J2735); and
7. U.S. Department of Transportation Systems Engineering Analysis (i.e., “Vee” Diagram); and
8. SAE requirements for Security Certificate Management System for Connected Vehicles; and
9. Data communication, storage, management and security

AV/CV Applications

It is expected that the consultant will have extensive knowledge and expertise related to the below applications. An initial delivery of this project will be an assessment of the maturity by the Technical Readiness Level for Highway Research (TRL-H) (https://www.fhwa.dot.gov/advancedresearch/trl_h.cfm) scale of the below listed applications. ODOT will use this assessment to determine if a listed application will be included in this SEA-AV/CV. Additional applications not listed that the consultant deems to be mature and deployment ready (or will soon be ready) should also be highlighted to ODOT for consideration of inclusion in the SEA-AV/CV.

V2I Safety

- Red Light Violation Warning
- Curve Speed Warning
- Stop Sign Gap Assist
- Stop Sign Violation Warning
- Spot Weather Impact Warning
- Traction Control Warning
- Reduced Speed/Work Zone Warning
- Pedestrian in Signalized Crosswalk Warning (Transit)
- Wrong Way Vehicle Detection
- Collision Avoidance

V2V Safety

- Emergency Electronic Brake Lights (EEBL)
- Forward Collision Warning (FCW)
- Intersection Movement Assist (IMA)
- Left Turn Assist (LTA)
- Blind Spot/Lane Change Warning (BSW/LCW)
- Do Not Pass Warning (DNPW)

- Vehicle Turning Right in Front of Bus Warning (Transit)

Agency Data

- Probe-based Pavement Maintenance
- Probe-enabled Traffic Monitoring
- Vehicle Classification-based Traffic Studies
- CV-enabled Turning Movement & Intersection Analysis
- CV-enabled Origin-Destination Studies
- Work Zone Traveler Information

Mobility

- Advanced Traveler Information System
- Intelligent Traffic Signal System (I-SIG)
- Signal Priority (transit, freight)
- Mobile Accessible Pedestrian Signal System (PED-SIG)
- Emergency Vehicle Preemption (PREEMPT)
- Dynamic Speed Harmonization (SPD-HARM)
- Queue Warning (Q-WARN)
- Cooperative Adaptive Cruise Control (CACC)

SEA – AV/CV

As noted above, the consultant will evaluate the listed AV/CV applications and ODOT will determine which applications will be included in the SEA-AV/CV. The SEA-AV/CV will provide at the statewide level the Systems Engineering Analysis per 23 CFR 940 for those applications to the extent possible. The goal is to identify classes of common applications or projects that can be covered by a common SEA documentation effort. It is understood that multiple Systems Engineering Analysis documentation efforts may be required to cover all the included applications or groups of common applications.

The SEA-AV/CV will provide the Systems Engineering Analysis documentation for AV/CV applications at the statewide level to the extent possible. With each application(s) SEA the consultant, in concurrence with ODOT & FHWA, will determine the extent of how much of the Systems Engineering Analysis can be appropriately be performed at the statewide level via the SEA-AV/CV versus at the project level.

For a given application or group of common applications the consultant will provide specific guidance highlighting what portions, if any, of the Systems Engineering Analysis would be more appropriately handled at the project level. This project level documentation would be supplementary and in addition the documentation provided by the SEA-AV/CV and together would fully cover the requirements of 23 CFR940 for that application(s).

The deliverable of this effort will be the SEA-AV/CV that provides the statewide documentation for the included applications or groups of common applications along with guidance on the necessary project level documentation requirements specifically for each application or group of common applications. It is expected that the necessary project level documentation requirements will vary for applications based upon the ability of the SEA-AV/CV to provide the necessary documentation for that application at the statewide level.

The SEA-AV/CV will support the deployment of interoperable AV/CV projects in Ohio.

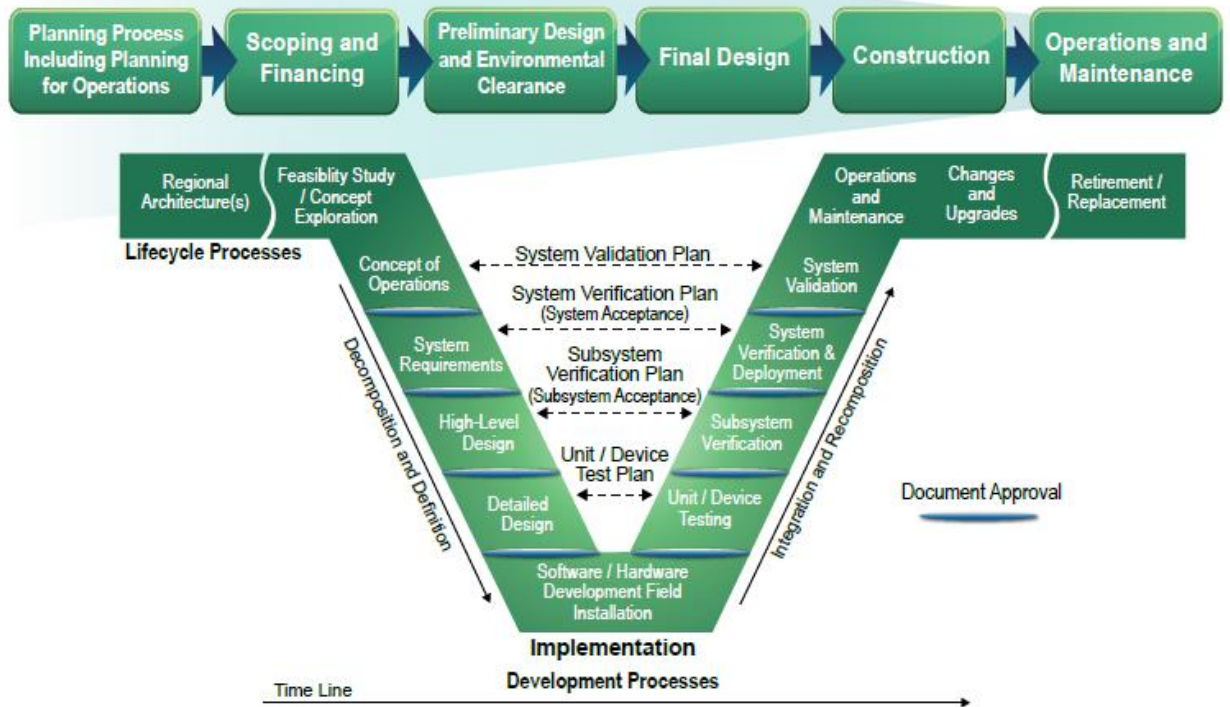
Deployment Example - City "X" is proposing to deploy a connected traffic signal application (V2I). That project would provide the necessary project level documentation (if any) and document which parts of the SEA-AV/CV, relevant ITS architectures (Statewide or Regional) & Traffic Authorized Product (TAP) list approved devices that apply to that project. The SEA-CV/AV will ensure interoperability while potentially reducing the need for lengthy project specific Systems Engineering Analysis so long as the proposed project conforms to the statewide document. Equipment used in the project would typically be listed on the ODOT pre-approved equipment list and be obtained via competitive bidding whenever possible.

Systems Engineering Analysis (SEA) Development

It is understood that a Statewide SEA-AV/CV may be somewhat different than a traditional ITS project and that there may be inconsistencies in application of the Vee diagram concepts to this project as compared to a more traditional ITS project. Deviation from the traditional Systems Engineering Analysis approach may be necessary in some phases of the project scope. In these cases the consultant in conjunction with ODOT and FHWA will determine how to address these application inconsistencies.

The SEA development for applications or groups of common applications will follow the process defined by the traditional "Vee" diagram as follows:

1. **Architectures** – this will consist of a review of the existing statewide architecture, the national ITS architecture and regional architectures to determine their adequacy to support statewide operation of AV/CV deployments that are interoperable regionally, statewide and nationally. Significant work exists to incorporate AV/CV architecture elements into the Statewide ITS Architecture for AV/CV applications that should be used in this SEA-AV/CV effort.



This may be an iterative process requiring subsequent updates to the architectures as the SEA is developed and finalized. The output of this effort will include:

- a. List of project stakeholders and roles and responsibilities;
- b. List of inventory elements included in or affected by the project;
- c. List of requirements the proposed systems must meet;
- d. List of interfaces and the information to be exchanged or shared by the systems (information flows)
- e. List of relevant standards

2. **Feasibility/Concept Exploration** – this will establish the projects purpose and need. Project concept will be established including the rational for selection over other concepts. The output of this effort will include:

- a. A description of the problems and opportunities addressed by AV/CV deployments;
- b. An economic and risk analysis;
- c. Project objectives that must be achieved for success;
- d. A description of the selected alternative including major system features and resources that will be used.

This effort will include significant exploration of feasible data communication mediums and architectures, bandwidth requirements, necessity of real-time (home-run) data transmission versus batched aggregated transmission, data storage, data management, data security and privacy. Feasible alternatives will be provided with recommendations along with supporting rational for those recommendations.

3. **Concept of Operations** – this will include a high-level identification of user needs and system capabilities. Output from this effort will include:
 - a. A concept of operations plan including a description of stakeholder needs and constraints.
 - b. Key performance measures and a system validation plan.
4. **System Requirements** – this will develop system requirements that meet stakeholder needs based upon the concept of operations, functional requirements, standards and constraints. Output from this effort will include:
 - a. System requirements document;
 - b. System verification plan;
 - c. Traceability matrix;
 - d. System acceptance plan

It should be noted that it is ODOT's intention to utilize commercially available off-the-shelf equipment to the extent possible during AV/CV deployments. This equipment will be tested and verified by ODOT and placed on an approved products list (TAP). This approach will effect several aspects of the System Requirements documentation.

5. **System Design (High Level)** – this will produce a high level design that meets systems requirements and defines key interfaces that facilitate development, integration and future maintenance and upgrades. Based upon the:
 - a. Concept of Operations;
 - b. System Requirements;
 - c. Availability of Commercial Off-the-Shelf (COTS) equipment;
 - d. Applicable Standards
 - e. Test Documentation following IEEE-829-2008

The high level system design will:

- a) Provide an assessment of viable COTS equipment;
 - b) Provide a high level (architectural) design;
 - c) Detailed design specifications for hardware/software. These specifications would be used both at the program level (pre-approval of products) and at the project level.
 - d) Provide specific system design information to be used in future AV/CV deployments (ex. RSU installation & spacing, connected signal typical/standard drawings, etc.). These will be the basis of providing design guidance for future AV/CV deployments.
 - e) Defined system interfaces;
 - f) Analysis of communication and data bandwidth requirements including high level communication system design
6. **Software Development** –This effort will provide the rational and recommendation how Ohio will handle AV/CV data storage and management based upon:
 - a. System and subsystem requirements;
 - b. Updated Integration plans
 - c. System design;
 - d. Availability of COTS equipment;
 - e. Industry standards;
 - f. Unit/Device test plans

The deliverable of this effort will be an assessment of Ohio's AV/CV data storage and management alternatives. Specifically, an assessment of potential AV/CV data management and storage / retention options including recommendations to:

- a. Create an Ohio Statewide Integrated Data Exchange (IDE); or
 - b. Utilize and/or expand the City of Columbus Smart City IDE for statewide use; or
 - c. Contract with a private data storage and management company for these services; or
 - d. Utilize a regional / national AV/CV data warehouse/IDE; or
 - e. Utilize and/or expand Smart City IDE for statewide use
7. **Verification Plan** – will provide verification plans for project deployments of the cited AV/CV applications. These verification plans would be used at the program level (pre-approval of COTS equipment) and at the project level as AV/CV projects are deployed.

Systems Engineering Analysis (SEA) Deliverables

- Assessment of the maturity and state of development of the listed applications. ODOT will use this assessment to determine if a listed application should be included in this SEA-AV/CV;
- Based upon the included applications, the Consultant will recommend what data is available from AV/CV applications and what data should be retained/stored. It should be noted that a state wide data working group is currently addressing this issue and the efforts will need to be coordinated. This task shall include an assessment of what data could potentially be made available to the private sector via API's in order to support value added application development. The task shall also include recommendations for how the data may be made available, while maintaining privacy / anonymity of the motoring public.
- Completion and Documentation of the SEA described above including:
 - Architectures;
 - Feasibility/Concept Exploration;
 - Concept of Operations
 - System Requirements;
 - System Design (High Level);
 - Software Development;
 - Verification Plan
- Specific project level documentation requirements not covered by the SEA-AV/CV for included application(s).
- Specific system design information that would be applicable at the project level in future AV/CV deployments (ex. RSU installation details & spacing requirements, connected signal typical/standard drawings, etc.). These will be provided by ODOT as design guidance for future AV/CV deployments.
- An assessment of currently available and viable commercial off the shelf products to support AV/CV operations.

Communications Plan Deliverables

This deliverable is an assessment of AV/CV bandwidth requirements and communication system design details and guidance. This communications plan should consider the specific communication needs (ex. bandwidth, latency, etc.) of the various applications, the required supporting communication medium (fiber, wireless, DSRC/WAVE, 4G/5G LTE, satellite, etc.).

The assessment should include consideration of private communication opportunities (P3) as opposed to focusing exclusively on publicly owned/maintained communication infrastructure. This deliverable will serve as the master communication planning and design document for AV/CV deployments in Ohio.

P3 Deliverables

This task and deliverable will identify potential P3 opportunities to support the deployment, operations or maintenance of AV/CV in Ohio. The rationale and supporting justification for proposed P3 opportunities will be provided showing that the potential P3 opportunities:

1. Creates opportunities for Ohio to use AV/CV applications and data to improve safety or operational capabilities; or
2. Provides cost savings or cost sharing; or
3. Provides revenue generation; or
4. Provides efficiencies in deployment, operations or maintenance; or
5. Expedites AV/CV deployments. This includes deployment of existing commercially available and viable products and systems;
6. Provides efficiencies in data storage, analytics, management or security;

It is understood that the data from AV/CV deployments has an inherent value. P3 opportunities shall be evaluated to maximize the public value (safety, mobility, commerce, economic development, monetary) of this data.

Program Plan Deliverable

This deliverable will provide specific recommendations and an evaluation process to prioritize AV/CV deployments based upon factors such as:

1. Maturity of applications;
2. Safety & mobility benefits;
3. Benefit/cost;
4. Logistic and economic development benefits;
5. Regulatory restrictions/risks;
6. P3 opportunities;
7. Deployment time frame;

The Program Plan will provide Ohio with specific information to begin the short and long term planning of AV/CV deployments and should be application as well as location/facility specific.

Software Functional Requirements Deliverable

This is an "if authorized" task to provide the necessary information and detailed software development requirements based on the SEA-AV/CV for the potential scoping of a separate software development project to create an Ohio Integrated Data Exchange (IDE).

An Ohio IDE would manage cloud stored AV/CV data obtained from autonomous and connected vehicles.

Additional Information

1. There are a number of AV/CV projects in various stages of development and deployment in Ohio (Union County Council of Governments; Ohio Turnpike and

Infrastructure Commission; US-33 Smart Corridor; Columbus Smart City; Smart Cincinnati). Creation of the SEA-AV/CV will require coordination with these projects, as well as the 3 USDOT CV Pilot projects (New York, Wyoming, and Tampa) to:

- a. Take advantage of previously completed work that can be leveraged to develop the SEA-AV/CV including System Engineering Analysis and IDE development from the Columbus Smart City Project – (SCOS – Smart Columbus Operating System); and
 - b. To identify aspects in these projects that would not be in compliance with the SEA-AV/CV.
2. It is ODOT's intention to create and maintain approved AV/CV equipment lists via the TAP (Traffic Authorized Products). Individual projects would be required to utilize equipment from the TAP via competitive bidding whenever possible. This procurement approach is relevant to multiple SEA requirements (ex. From the TEM - SEA Item #6 - Procurement Method; SEA Item # 8 – Testing Procedures; SEA Item # 9 – Traceability Matrix);
 3. AV/CV data is expected to be hosted in a TBD Cloud Environment;
 4. The Consultant is expected to synthesize and use guidance from the USDOT Joint Programs Office (JPO) and any relevant work from national AV/CV demonstration deployments in the formulation of the SEA-AV/CV. Existing available guidance, architectures, etc. shall be used to the extent possible in order to not replicate existing work and to ensure interoperability.

12-18-17 Posting Date
Information for January 2018 Programmatic Group

District 6, DEL-36-14.85, PID No. 107214

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/DEL107214/>

District 6, FAY-41-0.47/2.32, PID No. 98139

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/FAY98139/>

District 6, FRA-670-3.92 Construction Inspection, PID No. 104674

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their

letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/FRA104674%20-Construction%20Inspection/>

District 6, FRA-70-14.54 (2E) Construction Inspection, PID 105322

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/FRA105322%20-Construction%20Inspection/>

District 6, FRA-270-39.68 Geotechnical Services, PID No. 93359

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/FRA93359%20-%20Geotechnical%20Exploration/>

District 6, D06/D09-General Engineering Services, PID No. 103104

District Six has posted the draft scope of services and associated supporting documents to the ODOT ftp site. Consultants are encouraged to review this information before preparing their letters of interest. Please review this material prior to contacting the district, and evaluate whether a meeting with district staff is warranted. The information is available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D06/download/January%202018%20Programmatic/GES103104/>

**12-11-17 Posting Date
January 8, 2018 Programmatic Group
Tentative DBE, EDGE and SBE Goals**

The projects listed for the 01-08-18 Programmatic Consultant Selection Group under the Future Consultant Program heading (shown below on this page of the web site) include a tentative listing of the projects assigned DBE and EDGE goals. Also included will be the project(s) assigned as an SBE set aside. Please note that this list is preliminary and may change in the actual posting.

**12-11-17 Posting Date
Information for January 2018 Programmatic Group**

District 7, Various Projects

District 7 has gathered existing plans, studies and information for projects which will be posted in the January 2018 Programmatic Group. Consultants are encouraged to refer to the documents in the project specific folders before preparing their Letters of Interest. Individual meetings with the District personnel are not necessary. The documents are available at the following link:

<ftp://ftp.dot.state.oh.us/pub/Districts/D07/2018%20January%20Programmatic/>

11-27-17 Posting Date

Additional Testing Dates for Construction Inspection Prequalification

Additional courses have been added on the following dates for construction inspection categories:

December 14th - AM & PM Sessions – Are now open for Enrollment [23 each session]

December 19th – AM & PM Sessions – Are now open for Enrollment

January 11th – AM & PM Sessions – 2 spots in each time slot are available

January 18th – AM & PM Sessions – 7 spots in each time slot are available

February 8th – AM & PM Sessions – Are now open for Enrollment

February 22nd – AM & PM Sessions – Are now open for Enrollment

All currently available training courses are listed at:

<http://www.dot.state.oh.us/Divisions/Planning/LocalPrograms/LTAP/Pages/TrainingCourseFlyers.aspx>

Questions can be directed to the Ohio LTAP Center at: ltap@dot.ohio.gov .

11-13-17 Posting Date

Implementation of Small Business Enterprise Program for Professional Services

On October 9, 2017, the Department announced plans to implement a Small Business Enterprise (SBE) Program for Professional Services contracts effective with the January 8, 2018 Programmatic Group.

Complete information concerning The Department's SBE program is available on the Office of Small & Disadvantaged Business Enterprise webpage at the address listed below, which also includes procedures for certification:

<http://www.dot.state.oh.us/Divisions/ODI/SDBE/Pages/SBE.aspx>

All interested firms are encouraged to apply for certification. Only SBE certified firms will be eligible for selection for projects designated as SBE set aside projects.

10-23-17 Posting Date

**Industry Notice
HAM-75-3.84
I-75 Mill Creek Expressway Phase 5A
PID No. 104667
ODOT Construction Project 3000(18)**

The Ohio Department of Transportation has posted a Request for Qualifications for an upcoming Design-Build Opportunity to improve the I-74/I-75 interchange. This project has a preliminary estimate of \$85 million and will be delivered using a Two-Step Low-Bid Technically Responsive Design-Build procurement.

This Project provides 4-lane continuity between the Hopple Street and Mitchell Avenue projects, along with reconfiguring the east bound I-74 connection to I-75. The proposed work from Monmouth Avenue to the Ludlow Avenue overpass will follow the plans prepared for PID 83723 (MCE Phase 5). Work on I-74 includes re-decking the existing east bound I-74 structure (HAM-74-1908R) over Spring Grove Avenue, Mill Creek, and the RR tracks. This bridge contains an intermediate structural joint immediately east of the RR tracks. At this joint location, the existing structure carrying Ramp P (HAM-74-1908S) will be removed and reconstructed to improve the horizontal stopping sight distance and the geometric design speed. Pier locations for Ramp P are critical to allow for the widening of I-75 in both directions. HAM-74-1908L will require minor maintenance work.

The RFQ can be found here:
<http://contracts.dot.state.oh.us/home.do>
Search:183000

All additional and subsequent information is available on this web site under the Heading "ODOT Design-Build Program" or thru the Division of Construction Management website at:

http://www.dot.state.oh.us/Divisions/ConstructionMgt/design-build/Pages/Design_Build.aspx

**10-16-17 Posting Date
Debra Fought Retirement**

Please join in celebrating Debra Fought's retirement after years of service to ODOT. Debra will be retiring on Oct. 31st, 2017.

The retirement open house will be held on Friday, Oct. 27th from 10:00am to 2:30pm at the ODOT District 10 Office. A farewell reception will also be held at 4:00pm at the Marietta Brewing Company.

**10-09-17 Posting Date
Revisions to Conflict of Interest Waiver Guidance
Services not Considered to be a Conflict of Interest**

The Department frequently uses the services of Consultants to assist in review of construction contract plans, design build scope documents, or other documents related to project development, either through contracts for this specific purpose or other IDIQ contracts. In reviewing the use of these contracts and the services provided, the Department has determined

that the provision of these services does not create a conflict of interest that would prevent a consultant from providing services to either the Department or contractors on the same project.

This guidance has been added to the Department's "**Guidance Concerning Review of Conflict of Interest Waiver Requests**", which is available on the **Manuals and Contract Documents** section of the Consultant Services webpage.

10-09-17 Posting Date

Implementation of Small Business Enterprise Program for Professional Services

The Department plans to implement a Small Business Enterprise (SBE) Program for Professional Services contracts effective with the January 8, 2018 Programmatic Group.

SBE is a Federal program administered by the Department, including certification. The program is a race/gender-neutral set aside program that restricts competition for prime contracts on certain USDOT-assisted projects to small businesses with appropriate prequalification's that have been certified through the program.

The Department will select projects with size and complexity suitable to the program eligibility requirements, and announce the selected SBE set aside projects along with the DBE/EDGE goal setting announcement.

Complete information concerning The Department's SBE program is available on the Office of Small & Disadvantaged Business Enterprise webpage at the address listed below, which also includes procedures for certification:

<http://www.dot.state.oh.us/Divisions/ODI/SDBE/Pages/SBE.aspx>

All interested firms are encouraged to apply for certification. Only SBE certified firms will be eligible for selection for projects designated as SBE set aside projects.

SBE PROGRAM OVERVIEW

SBE ELIGIBILITY

Persons must own 51% or more of a "small business," establish that they specialize in the construction and/or construction consultant services industry, and prove they control their business.

ELIGIBILITY REQUIREMENTS

- Firms must be prequalified with ODOT and certified in the SBE Program.
- A certified SBE firm must perform a commercially useful function. The SBE must perform or exercise responsibility for at least 30% of the total cost of its contract with its own work force.
- A firm (including its affiliates) receipts averaged over the most recent three (3) years must not exceed \$15,000,000 (construction firms) or **\$7,000,000 (construction-related consultant services firms)**.

- Owners' average adjusted gross income (AGI) over the most recent three (3) year period cannot exceed \$350,000.
- Only persons having a personal net worth of less than \$1.32 million will be considered.

Please direct questions to ODOT's Office of Small & Disadvantaged Business Enterprise's Certification Section: DOT.SDBE@dot.ohio.gov or (614) 466-2878.

09-25-17 Posting Date
Dan Kaseman Retirement

Please join in celebrating Dan Kaseman's retirement after nearly 35 years of service to ODOT. Dan will be retiring on Oct. 31st, 2017.

The retirement open house will be held on Wednesday, Oct. 25th from noon to 4:00pm at the ODOT District 1 Office, Room 39.

09-25-17 Posting Date
LUC-2-18.62
PID No. 101556
Industry Notice

The Ohio Department of Transportation has issued a Request for Qualifications for the upcoming Design-Build-Operate-Maintain Opportunity to improve the Anthony Wayne Bridge over the Maumee River in Lucas County, Toledo, Ohio. This project has a preliminary estimate of \$12 million and will be delivered using a Two-Step Technically-Responsive Modified Design-Build procurement.

Go to <http://contracts.dot.state.oh.us/home.do> with the project number of 183001 to obtain the RFQ.

09-07-17 Posting Date
Programmatic Consultant Selection Group No. 09-05-17
Response Due Date: 09-25-17 2:30PM

Questions and Answers have been posted under the Heading "ODOT Project Notifications, Consultant Requests for Letters of Interest" in a separate file. The Request for Letters of Interest for Programmatic Consultant Selection Group No 09-05-17 reflects the changes to prequalification delineated in the Q&A.

09-07-17 Posting Date
Consultant Prequalification
Expiration Notification
Construction Inspection Categories

The Ohio Department of Transportation requires all prequalified Consultants to update their prequalification status every two (2) years. Most individuals currently prequalified for

construction inspection/construction administration categories share the same expiration date of November 15, 2017 (individuals approved recently with an expiration date in 2019 are not required to respond).

Please notify the Department **in writing by November 1, 2017**, concerning your prequalification status beyond 11/15/2017 – whether you wish to remain prequalified or be removed from the active list – please respond in either case. This notification applies only to renewal of prequalification – please respond separately for upgrades that add new categories.

Please **mail** your response to:

**Construction Prequalification Renewal
ODOT Consultant Services
1980 West Broad Street, Mail Stop 4100
Columbus, Ohio 43223**

EMAIL renewals will not be accepted.

For those who wish to renew their current prequalification and remain prequalified with the Department, please submit the following information:

1. All contact information including:
 - a. Mailing address.
 - b. Telephone number.
 - c. Email address – please ensure that the Department has an **active email address** as the Department plans to use email lists to communicate with prequalified individuals and firms in the future.
2. Certificates that show active status for tests and certifications required for prequalification, if applicable to your prequalification for any category. Certificates that may be required include:

ACI Level I
Ohio Aggregate Level I
NICET – All Levels and Categories
ODOT Work Type 26
ODOT Work Type 57
NACE Certified Coatings Inspector Level 1
SSPC Protective Coatings Inspector Level I
SSPC Bridge Coatings Inspector Level I
IMSA Traffic Signal Construction Tech. Level II
IMSA Roadway Lighting Tech. Level I
NICET Level II Const. Materials Testing-Subfield Soils
NICET Level II Geotech. Engineering Tech.-Subfield Constr.
NETTCP Soils and Aggregate Inspector Certification

Based on the initiation date of the tests, ODOT Flexible Pavement, Traffic Work Zone and Compaction Certificates have not expired and certificates are not required for this renewal.

Firms submitting on behalf of their employees shall use a **separate** page or pages for each person.

Please note that it is the **responsibility of the prequalified individual** to maintain current contact information in the Department's consultant prequalification system. Please notify the Office of Consultant Services of any change in mailing address, email address or telephone number that may result from a change in employment or other circumstance.

You will **NOT RECEIVE A CONFIRMATION LETTER** regarding your prequalification renewal. You may verify your updated prequalification status approximately 2 weeks after submittal of your renewal request by accessing the Consultant Services page of the Department's website at:

<http://www.dot.state.oh.us/Divisions/Engineering/Consultant/Pages/default.aspx>

under the heading "Prequalification Information".

If your prequalification renewal is not received by the due date, your prequalification status will become inactive. Only consultants in an active status are eligible for selection and to provide services.

If you have any questions, please contact Dan Krajcovic in the Office of Consultant Services at (614) 466-3742.

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End of ODOT Web Page Announcements