

OHIO TURNPIKE

2021 OPEN HOUSE FOR ENGINEERING CONSULTANTS



Ferzan M. Ahmed, P.E., Executive Director
Chris Matta, P.E., Deputy Chief Engineer
Chuck Cvitkovich, Bridge Engineer

June 30, 2021



Agenda

- Welcome and Introductions
- Review of the Standard Operating Procedure for Qualifications Based Selection Process for Large Design Projects
- Future Large Design Projects
- Additional Question and Answer Session with OTIC Staff



Our Mission Statement



***To be the industry leader in providing
safe and efficient transportation services to
our customers, communities and partners***

June 30, 2021. ACEC Outreach



Our Guiding Principles



1. Improve SAFETY
2. Improve QUALITY OF WORK LIFE
3. Improve CUSTOMER EXPERIENCE
4. Maintain excellent SYSTEM CONDITIONS
5. Maintain strong FINANCIAL STEWARDSHIP



Update on process



Develop a partnership with ACEC

Communicate changes to internal processes and procedures



Categories



1. ***Construction Engineering and Inspection Services***
2. ***Material Testing and Quality Control Services***
3. Environmental Services
4. Geotechnical Services
5. Protective Coating Inspection
6. Shop Inspection of Structural Steel
7. Surveying
8. General / Misc Engineering / Architectural / System Design Services
9. Unmanned Aircraft Systems
10. ***Construction Management***



Conflict of Interest



Conflict may exist if:

- A program manager who assisted the Commission with planning a project bids on the project
- Inspecting Engineer bids on a project they designed
- A firm that assisted the Commission staff in planning, phasing, reviewing or other aspects of the project that gives them an unfair advantage over others

- Conflict determined by General Counsel prior to scoring by selection committee
- Conflict can be waived by Executive Director when justified and documented



Enhancing competition



Commission wishes to enhance competition

- Increase the number of firms that compete
- Spread the work among qualified firms
- Grow the experience of firms
- Increase the number of contracts

Commission staff will work with ACEC to look at items such as mileage reimbursement for future projects



Future of Construction



CURRENT SYSTEM

- Design firm also inspects project as part of the same contract
- Commission uses separate firms for inspection and material testing on a project

FUTURE PROCESS

- Inspection will NOT automatically be a part of a design contract. Determination will be made based on project
- Testing is part of inspecting, so there will not be separate contracts for inspecting and testing, except for specialty items such as soil compaction and coating



Standard Operating Procedure for Qualifications Based Selection Process for Large Design Projects



Professional Design Consultant Selection Process – Large Projects

- Standard Operating Procedure B-13
- The purpose of this standard operating procedure (“SOP”) is (1) to define the process by which the Ohio Turnpike and Infrastructure Commission (“Commission”) selects architects, landscape architects, engineers, and surveyors to perform projects where the estimated cost of the services will be \$50,000.00 or more and (2) to ensure that the process complies with applicable law and internal rules while furthering the Commission’s mission and fostering its guiding principles.



Professional Design Consultant Selection Process – Large Projects

- Guiding Legal Principles
 - Ohio Revised Code and Ohio Administrative Code
 - Laws that were created and enacted to enable the Commission to:
 - Promote economic development of the State
 - Bind the Commission to the use of competitive bidding
 - Increasing commerce and prosperity and the improvement of living conditions.
 - Take such action to ensure no conflict of interest exists.



Professional Design Consultant Selection Process – Large Projects

- OTIC Contracts Policy 1800.102
 - The Commission's Contracts Policy acknowledges that all its assets are held in public trust. Therefore, the Commission strives to ensure that the public contracts are benefiting the public. The public benefits from an efficient contracts process and from the fair and equitable distribution of contract awards.



Professional Design Consultant Selection Process – Large Projects

- Procedures
 - Determination of Need
 - When the Commission requires the services of an architect, engineer, or surveyor where, for example, the Commission has insufficient staff to perform the work needed, where the Commission's staff lacks the special expertise needed for the work, or where the Commission needs a study by a recognized expert.



Professional Design Consultant Selection Process – Large Projects

- Project Planning
 - Defining the Scope of the Project.
 - Permit Project bundling of more than one specific Project when in the best interests of the Commission.
 - Identifying the Service Types required for the Project.
 - Avoiding Conflicts of Interest.



Professional Design Consultant Selection Process – Large Projects

- Project Planning (continued)
 - Scope and Limits of Projects to be defined with an eye toward expanding the number of qualified and experienced firms.
 - Fostering economic growth by defining the scope and limits of projects in a way that will support the Commission's Small Business Enterprise program.
 - Determination of Estimated Costs of Services.



Professional Design Consultant Selection Process – Large Projects

- Selection of Most Qualified Firm
 - Public Announcement
 - Rating, Ranking and Selecting the Most Qualified Firm
- Contract Negotiations
 - Scope of Services Meeting
 - Top ranked Respondent submits fee proposal, and a mutually acceptable fee will be negotiated.



Professional Design Consultant Selection Process – Large Projects

- Selection of Most Qualified Firm
 - Public Announcement via the Commission’s website
 - Project-specific Request for a Letter of Interest (“LOI Request”) or a project-specific Request for Proposals (“RFP”).
 - Postings will be made sufficiently in advance of the time that responses must be received from qualified professional design firms for the firms to have an adequate opportunity to submit a statement of interest in the project.



Professional Design Consultant Selection Process – Large Projects

- Selection of Most Qualified Firm
 - Rating, Ranking and Selecting the Most Qualified Firm
 - Evaluation Team will review the LOI's and RFP's.
 - Competence of Firm.
 - Ability of Firm in terms of workload and staff.
 - Past Performance of the firm.
 - Completion and submission of all items required.
 - Any exceptions or requested deviations in regard to SBE requirements.
 - The existence of any conflicts of interest.
 - Effort to foster economic development and competition.



Professional Design Consultant Selection Process – Large Projects

- Selection of Most Qualified Firm
 - Rating, Ranking and Selecting the Most Qualified Firm
 - Evaluation Team will complete a Rating Form





Professional Design Consultant Selection Process – Large Projects

**OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION
CONSULTANT RATING FORM**

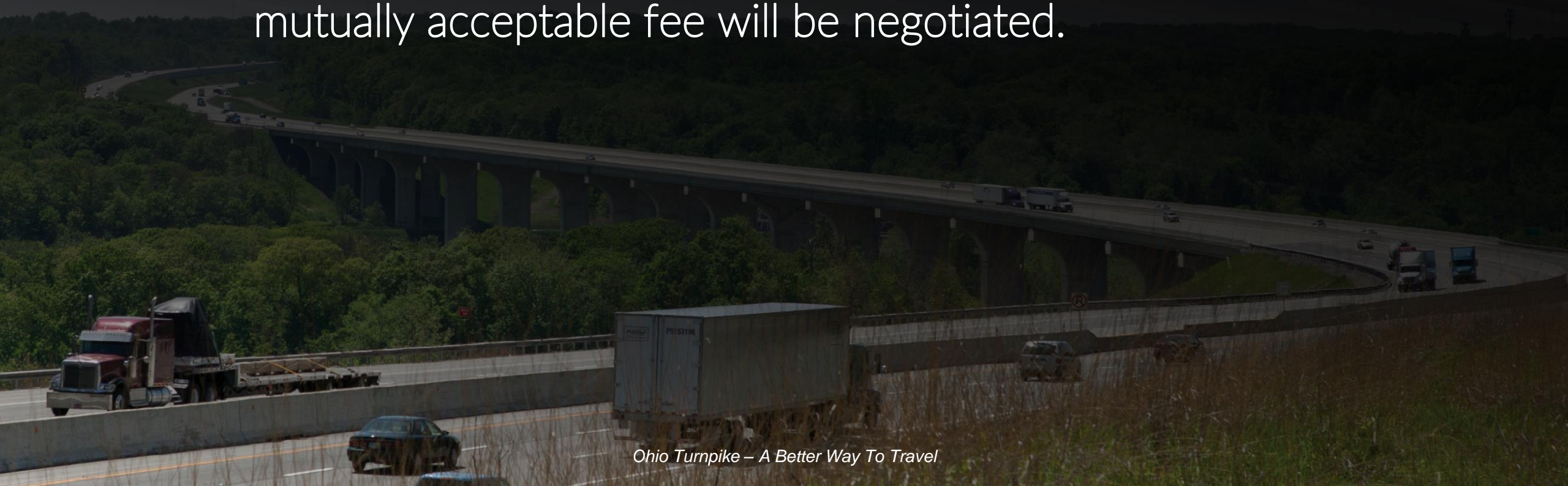
PROJECT:
REVIEWED BY:

STATUTORY REFERENCE:	FACTORS TO BE EVALUATED	VALUE	SCORING:		
A) RC 153.65(D)(1)	Competence to perform the required professional design services as indicated by the technical training, education, and experience of the firm's personnel, especially the technical training, education, and experience of the employees within the firm who would be assigned to perform the services;	Project Manager	1-5		
		Key Staff Assignments	1-5		
		Qualification of Subs	1-5		
		Subcontracted Amount	1-5		
B) RC 153.65(D)(2)	Ability of the responding firm in terms of its workload and the availability of qualified personnel, equipment, and facilities to perform the required professional design services or design-build services competently and expeditiously;	Organization	1-5		
		Proposed Schedule	1-5		
		Backlog with OTIC	1-5		
C) RC 153.65(D)(3)	Past performance of the responding firm as reflected by the evaluations of previous clients with respect to such factors as control of costs, quality of work, and meeting of deadlines;	Past Performance with OTIC	1-5		
		Past Performance with other Public/Govt.	1-5		
		Quality Control	1-5		
D) RC 153.65(D)(4)	Any other relevant factors as determined by the Commission, including but not limited to completion and submission of all items required under this Request for Letters of Interest, and any exceptions or requested deviations;	Understanding of Project	1-5		
		Complete Tasks Defined in Scope of Services	1-5		
		Innovative Approach	1-5		
		Completion and Submission of All Items Required under the LOI	1-5		
E)	SBE Good Faith Effort (25%)		Pass/Fail		
F)	Fostering Competition and Economic Development	Based on the number and dollar value of recent projects this firm has performed for the Commission, will an award to this firm enhance competition and foster growth?	Pass/Fail		
G)	Disclosure of any conflicts of interest	Has this firm performed, is this firm currently performing, or is this firm under consideration for the performance of, other work for the Commission that would create a conflict of interest?	Pass/Fail		
TOTAL:				0.00	0.00



Professional Design Consultant Selection Process – Large Projects

- Contract Negotiations
 - Scope of Services Meeting
 - Top ranked Respondent submits fee proposal, and a mutually acceptable fee will be negotiated.





2021 Design Project Overview



2021 Bridge Design Projects

2024 Construction

Design Project 71-21-01

Wood County

- MP 71.4 (Mainline Over SR 420/I-280)

Design Project 71-21-02

Sandusky County

- MP 83.3 (Mainline Over North Coast Inland Trail)
- MP 83.3 (Mainline Over Waggoner Road/CR 82)

Design Project 71-21-03

Sandusky County

- MP 86.6 (Fought Road/CR 106)
- MP 93.0 (River Road/CR 234)
- MP 94.7 (Carley Road/TR 202)

Design Project 71-21-04

Sandusky and Erie Counties

- MP 104.3 (Copp Road/TR 302)
- MP 106.1 (Northwest/Southwest Road)
- MP 106.8 (State Route 269)
- MP 107.5 (Devo Road/TR 102)



2021 Bridge Design Projects

2024 Construction

Design Project 71-21-05

Erie County

- MP 111.2 (Mainline Over State Route 99)
- MP 119.3 (State Route 13)

Design Project 71-21-06

Lorain County

- MP 152.3 (Mainline Over Lorain Road/CR 12)
- MP 152.9 (Berea/Bagley Road)

Design Project 71-21-07

Portage County

- MP 188.2 (Mainline Over SR 43)

Design Project 71-21-08

Portage County

- MP 199.5 (State Route 88)
- MP 202.8 (Mainline Over Bryant Road)
- MP 203.7 (Mainline over Windham-Parkman Road)



2021 Bridge Design Projects

2024 Construction

Design Project 71-21-09

Mahoning County

- MP 227.6 (Boardman-Canfield Road/US 224)



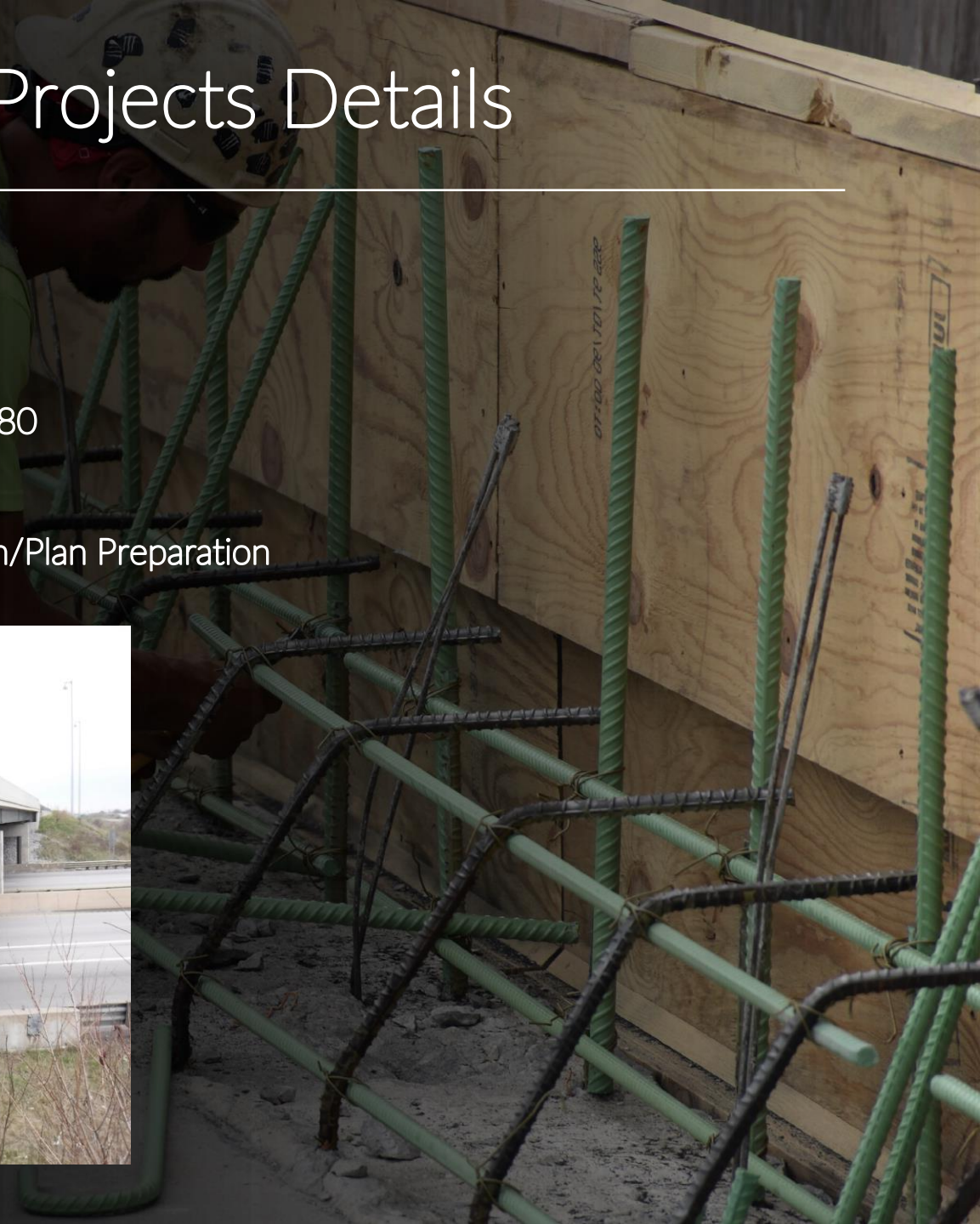


Bridge Design Projects Details

Design Project 71-21-01

Wood County

- MP 71.4 Mainline Bridge over State Route 420/I-280
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation





Bridge Design Projects Details

Design Project 71-21-02

Sandusky County

- MP 83.3 Mainline Bridge Removal over North Coast Inland Trail
 - Bridge Removal
 - Placement of New Prefabricated Structure
 - Embankment
 - Roadway Construction
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 83.3 Mainline Bridge over Waggoner Road (County Route 82)
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-03

Sandusky County

- MP 86.6 Fought Road (County Route 106) Bridge over Mainline
 - Bridge Deck Replacement
 - Embankment
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 93.0 River Road (County Route 234) Bridge over Mainline
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 94.7 Carley Road (Township Route 202) Bridge over Mainline
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-04

Sandusky County

- MP 104.3 Copp Road (Township Route 302) Bridge over Mainline
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~

Erie County

- MP 106.1 Northwest/Southwest Road (CR 312) Bridge over Mainline
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 106.8 State Route 269 Bridge over Mainline
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 107.5 Devo Road (Township Route 102) Bridge over Mainline
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-05

Erie County

- MP 111.2 Mainline Bridge over State Route 99
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 119.3 State Route 13 Bridge over Mainline
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-06

Lorain County

- MP 152.3 Mainline Bridge over Lorain Road (County Route 12)
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 152.9 Berea-Bagley Road Bridge over Mainline
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-07

Portage County

- MP 188.2 Mainline Bridge over State Route 43
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Design Project 71-21-08

Portage County

- MP 199.5 State Route 88 over Mainline
 - Bridge Replacement
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 202.8 Mainline Bridge over Bryant Road (Township Route 236)
 - Bridge Deck Replacement
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~
- MP 203.7 Mainline Bridge over Windham-Parkman Road (CR 239)
 - Bridge Deck Overlay
 - Minor Bridge Rehabilitation
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~



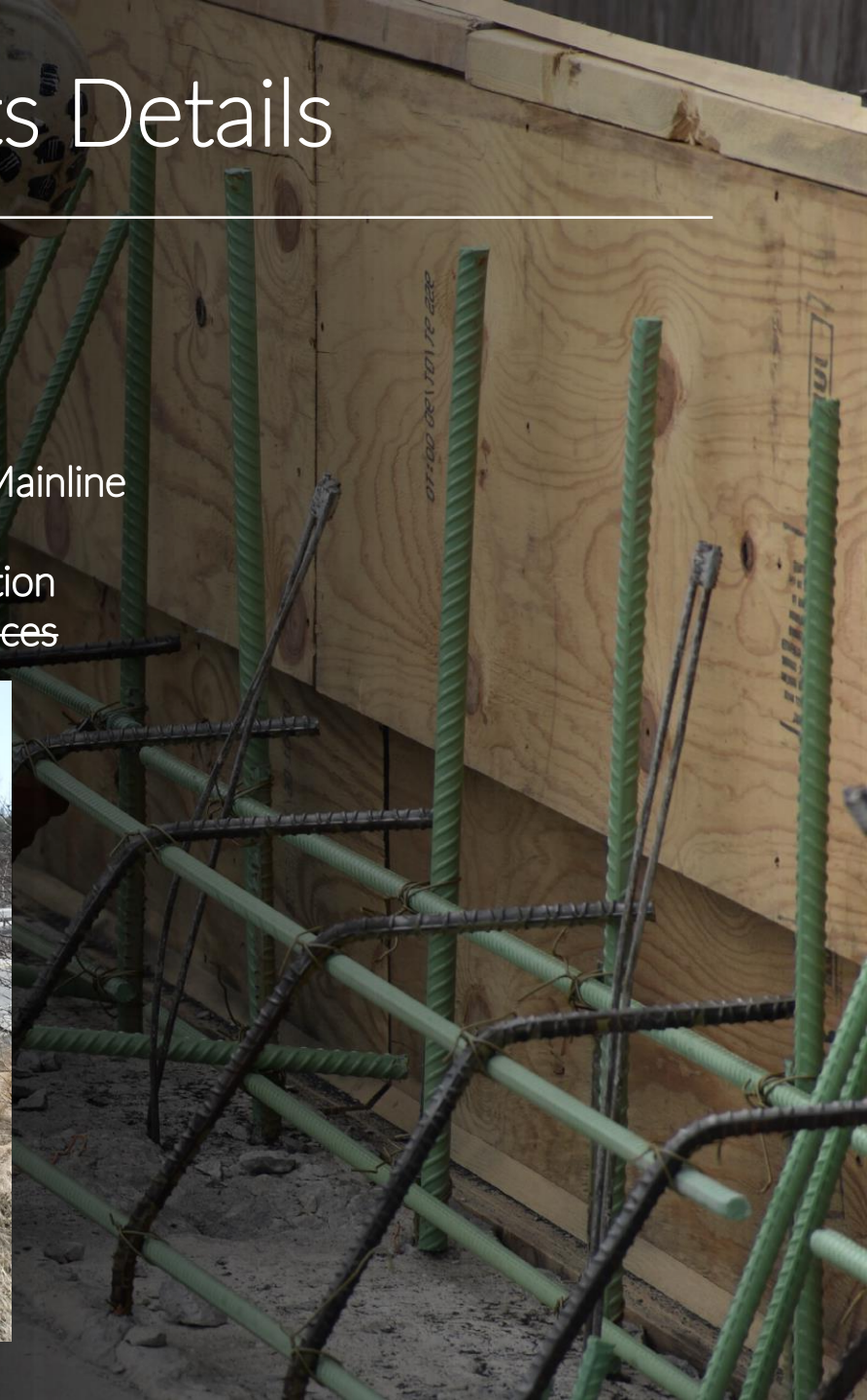


Bridge Design Projects Details

Design Project 71-21-09

Mahoning County

- MP 227.6 US Route 224 (Boardman-Canfield Road) Bridge over Mainline
 - Bridge Replacement
 - Site Inspection, Engineering Report, Design/Plan Preparation
 - ~~Phase II Construction Administration and Inspection Services~~





Bridge Design Projects Details

Ohio Turnpike Bridge Design Basics

- We follow ODOT 2004 BDM and AASHTO Standard Specifications 17th Edition (LFD – not LRFD), with a few exceptions
- We follow ODOT 2019 CMS supplemented by our own Special Provisions
- We follow current ODOT L&D Manual
- Overhead bridges are to be raised to provide a minimum 15'-6" vertical clearance
- All deck replacement and deck overlay projects to replace deck joints and non-elastomeric bearings with elastomeric bearings
- Deck replacement projects are to replace parapets and fencing
- Painting not included in deck replacement or deck overlay projects
- Load ratings using AASHTOWare to be performed for original construction, existing current condition, proposed condition and after construction, the as-built condition
- Asbestos testing to be done for all projects
- Plans to be prepared in AutoCAD



Other Future Design Projects

Advertise

- June 2021 Construction Administration and Inspection Services for MP 211 Toll Plaza and MP 239 Booth Renovations
- 3rd /4th Qtr. 2021 General Construction Administration and Inspections Services for 2022
- 2nd Qtr. 2022 Geotechnical Services for Pavement Replacement Program
- 3rd Qtr. 2022 Construction Management for Pavement Replacement Program
- 3rd Qtr. 2022 Design Services for Pavement Replacement Program



Wrap Up

- Future Open Houses are planned for January of each Year
- Followed by a two-week period of individual meetings
- Questions and Answer Session



Thank You
