

LPA Design Policy Changes

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CEPDS November 15, 2018

LPA Design Policy Changes

- Disciplines where INDOT has removed itself from the LPA design world
 - Pavement Design Design Memo [18-01](#), effective February 5, 2018
 - Geotechnical Design Memo [18-08](#), effective May 9, 2018
 - Hydraulics Design Memo [18-12](#), effective July 1, 2018
 - Traffic Design T.B.D.
 - Environmental T.B.D.
 - Road Design T.B.D.
 - Bridge Design T.B.D.

LPA Design Policy Changes

- Sources of Information

- Design Memos <https://www.in.gov/dot/div/contracts/standards/memos/memos.html>
- LPA Programs <https://www.in.gov/indot/2390.htm>
 - Subscribe to the LPA Important Notices email list
https://www.in.gov/indot/files/LPA_InstructionsToSubscribe.pdf
- Project Development Process Guidance Document
https://secure.in.gov/indot/files/LPA_GuidanceDocument_042015.pdf
- Design Certification for Non-National Highway System Projects
https://www.in.gov/indot/files/LPA_Certification_Program.pdf
- Indiana Design Manual https://www.in.gov/indot/design_manual/

LPA Programs



Railway-Highway
Crossings
Section 130 Program



Local Federal Aid
Program

U.S. Department of Transportation
Federal Highway Administration

**LOCAL
TRAX** Rail Overpass
Program

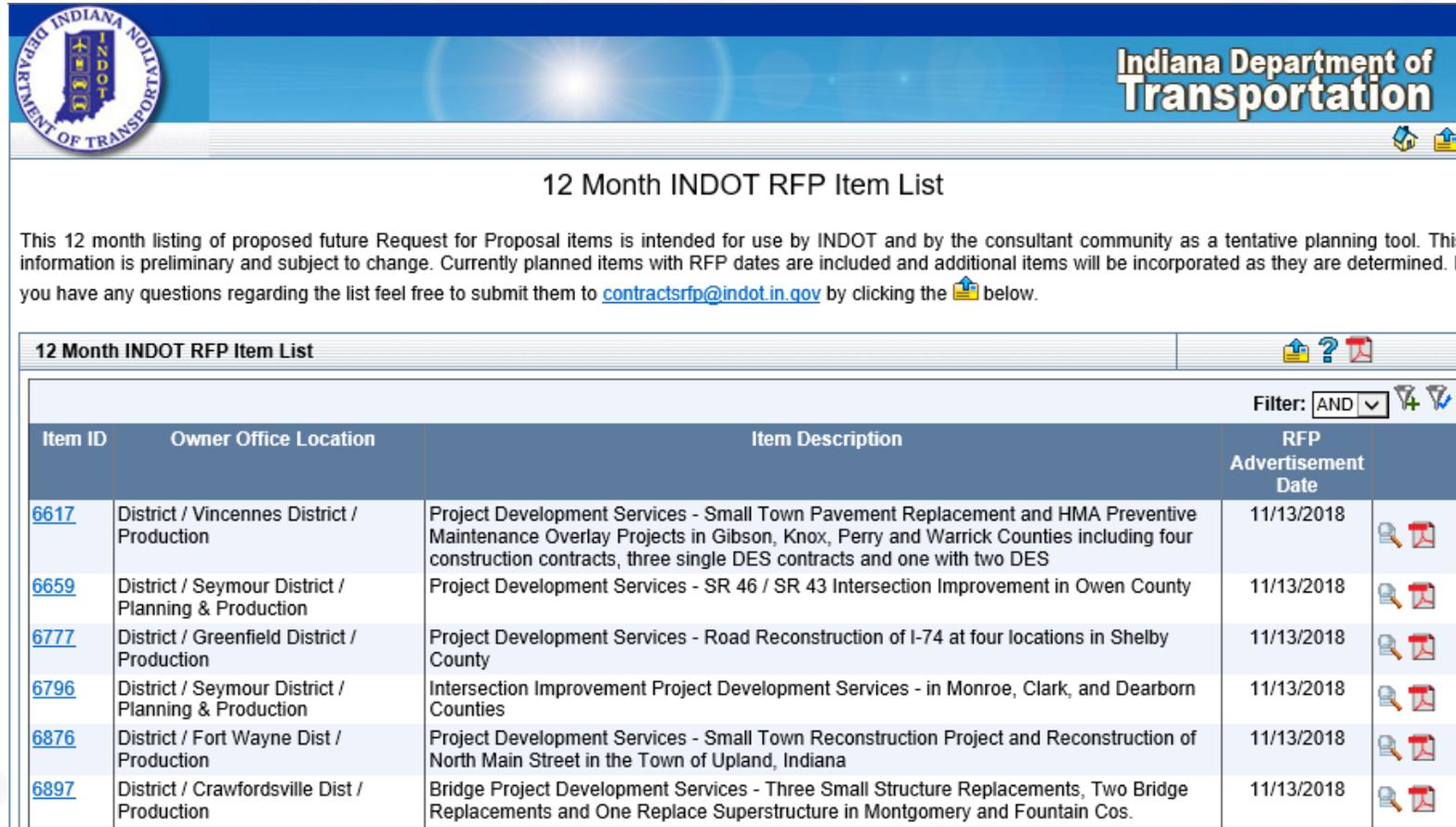
INDOT LPA Design
Certification Program

Hydraulics on LPA Projects

- Local Public Agency (LPA)
- All local government units
 - Counties
 - Cities
 - Towns

Hydraulics on LPA Projects

- If your project was on the INDOT RFP List, it's not an LPA project.
<https://pscsc.indot.in.gov/rfppublicwebsite/>



Indiana Department of Transportation

12 Month INDOT RFP Item List

This 12 month listing of proposed future Request for Proposal items is intended for use by INDOT and by the consultant community as a tentative planning tool. This information is preliminary and subject to change. Currently planned items with RFP dates are included and additional items will be incorporated as they are determined. If you have any questions regarding the list feel free to submit them to contractsrfp@indot.in.gov by clicking the  below.

Item ID	Owner Office Location	Item Description	RFP Advertisement Date
6617	District / Vincennes District / Production	Project Development Services - Small Town Pavement Replacement and HMA Preventive Maintenance Overlay Projects in Gibson, Knox, Perry and Warrick Counties including four construction contracts, three single DES contracts and one with two DES	11/13/2018
6659	District / Seymour District / Planning & Production	Project Development Services - SR 46 / SR 43 Intersection Improvement in Owen County	11/13/2018
6777	District / Greenfield District / Production	Project Development Services - Road Reconstruction of I-74 at four locations in Shelby County	11/13/2018
6796	District / Seymour District / Planning & Production	Intersection Improvement Project Development Services - in Monroe, Clark, and Dearborn Counties	11/13/2018
6876	District / Fort Wayne Dist / Production	Project Development Services - Small Town Reconstruction Project and Reconstruction of North Main Street in the Town of Upland, Indiana	11/13/2018
6897	District / Crawfordsville Dist / Production	Bridge Project Development Services - Three Small Structure Replacements, Two Bridge Replacements and One Replace Superstructure in Montgomery and Fountain Cos.	11/13/2018

Hydraulics on LPA Projects

- LPA projects are advertised here.

<https://www.in.gov/dot/div/legal/rfp/LPARFP/LPARFPcurrentlyadvertised.htm>

[INDOT](#) » [DOING BUSINESS WITH INDOT](#) » [REQUEST FOR PROPOSALS](#) » [LPA - REQUEST FOR PROPOSALS](#)

LPA - RFP Current Advertisements

- [La Porte County Government Lincoln Trail Extension along Abandoned RR just west of 421 to PNW \(Des # 1801831\) in La Porte District](#)
Response Due Date & Time: December 13, 2018 at 4:00 pm
- [Floyd County Preliminary Engineering for Bridge #51 Replacement \(Des # 1700788\) in Seymour District - \(Revised 11/07/18\)](#)
Response Due Date & Time: November 30, 2018 at 4:00 pm
- [Hamilton County Highway This project will establish an improved E-W corridor linking 276th St with 281st St. then making improvements to connect to S 19. \(Des # 1600597\) in Greenfield District](#)
Response Due Date & Time: November 16, 2018 at 4:00 pm
- [Hamilton County Highway, Rehabilitation of 236th St. from Deming Rd to Tollgate Rd, west of Cicero, IN \(Des # 1400788\) in Greenfield District](#)
Response Due Date & Time: November 16, 2018 at 4:00 pm

Hydraulics on LPA Projects

- Design Memo [18-12](#), effective July 1, 2018

The Department has updated the Office of Hydraulics responsibilities for LPA projects on locally owned, non-NHS routes. The following guidance now applies.

LPA Project on a Locally Owned, Non-NHS Route

- Pipes/Small Culverts (span < 4ft). The Office of Hydraulics will not review these structures.
- Locally owned? Is your project on an Interstate, State Road, U.S. Route or within State owned R/W (prisons, parks, etc.) ?
- NHS routes? <https://secure.in.gov/indot/2350.htm>
 - National Highway System

Hydraulics on LPA Projects

- NHS routes <https://secure.in.gov/indot/2350.htm>

Maps for Designers

- [National Highway System](#)
- [Historic Traffic Data](#)
- [Functional Classification & Urban Area Boundary](#)



U.S. Department of Transportation
Federal Highway Administration

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Planning Environment Real Estate

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National Highway System

NHS Maps
NHS Regulations
NHS Update Procedures
Interstate Highway System
High Priority Corridors
Intermodal Connectors

Contact

For more information, please contact:

- Stefan Natzke
- Mike Neathery
- Kevin Adderly

FHWA → Planning → National Highway System

National Highway System

States

The National Highway System (NHS) includes the Interstate Highway System as well as other roads important to the nation's economy, defense, and mobility. The NHS was developed by the Department of Transportation (DOT) in cooperation with the states, local officials, and metropolitan planning organizations (MPOs).

Where is the NHS?

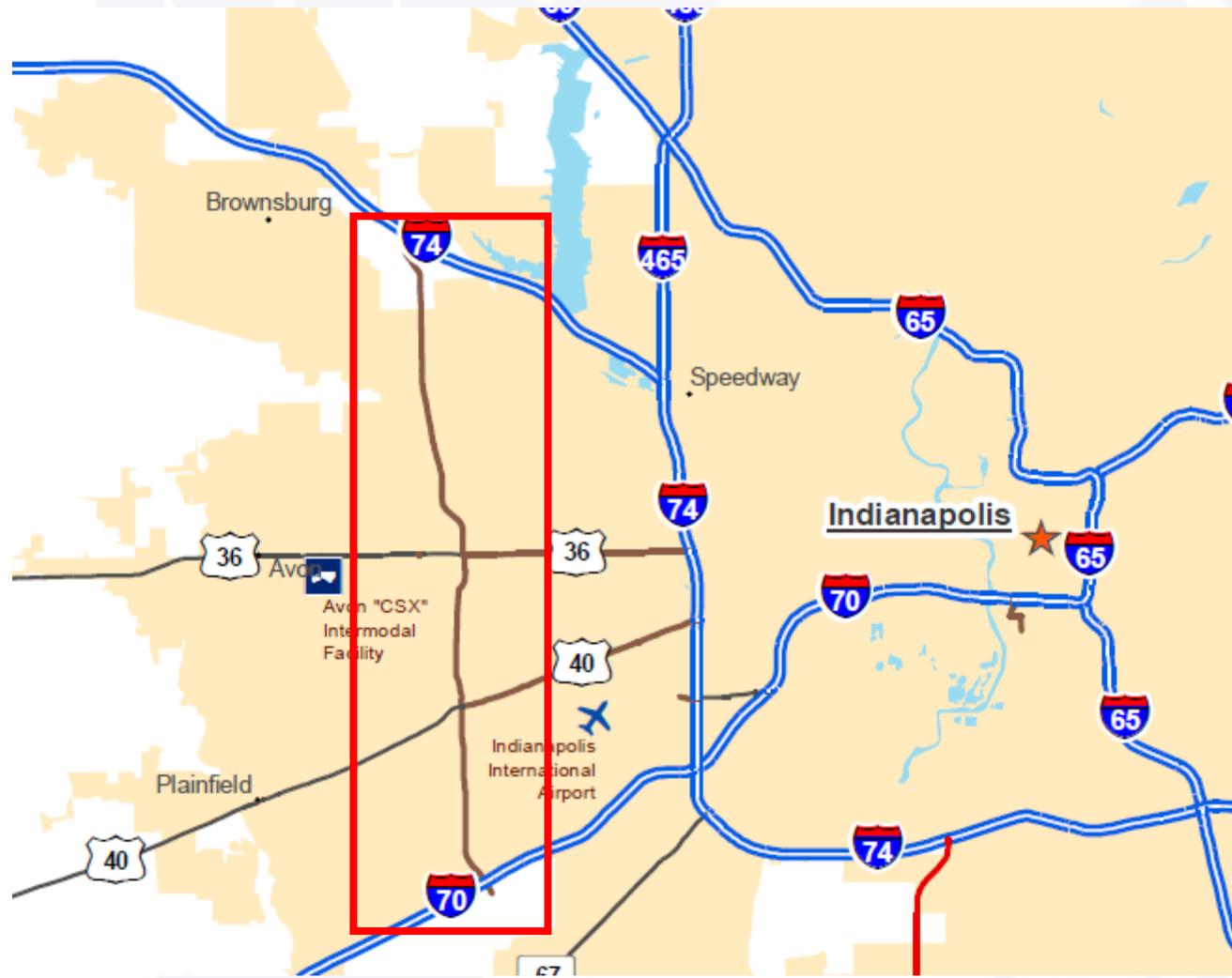
You can view state maps of the National Highway System. These maps reflect updates in accordance to the [NHS memorandum dated September 28, 2012](#) as required by Section 1104 of the Moving Ahead for Progress in the 21st Century Act (MAP-21).

Alabama	Georgia	Massachusetts	New York	Tennessee
Alaska	Hawaii	Michigan	North Carolina	Texas (East)
Arizona	Idaho	Minnesota	North Dakota	Texas (West)
Arkansas	Illinois	Mississippi	Ohio	Utah
California (North)	Indiana	Missouri	Oklahoma	Vermont
California (South)	Iowa	Montana	Oregon	Virginia
Colorado	Kansas	Nebraska	Pennsylvania	Washington
Connecticut	Kentucky	Nevada	Puerto Rico	West Virginia
Delaware	Louisiana	New Hampshire	Rhode Island	Wisconsin
District of Columbia	Maine	New Jersey	South Carolina	Wyoming
Florida	Maryland	New Mexico	South Dakota	

(PDF Map source: [NHS Shapefile \(Zip 89Mb, Version 20180629\)](#) and Shapefile Data Item Definitions ([metadata \(Zip 38Kb\)](#)))

- [MAP-21 Expanded NHS Questions & Answers](#)
- [Interactive NHS Map Viewer](#) (Zoom and pan to selected NHS highway segments)
- [Estimated MAP-21 NHS Mileage](#)

Hydraulics on LPA Projects

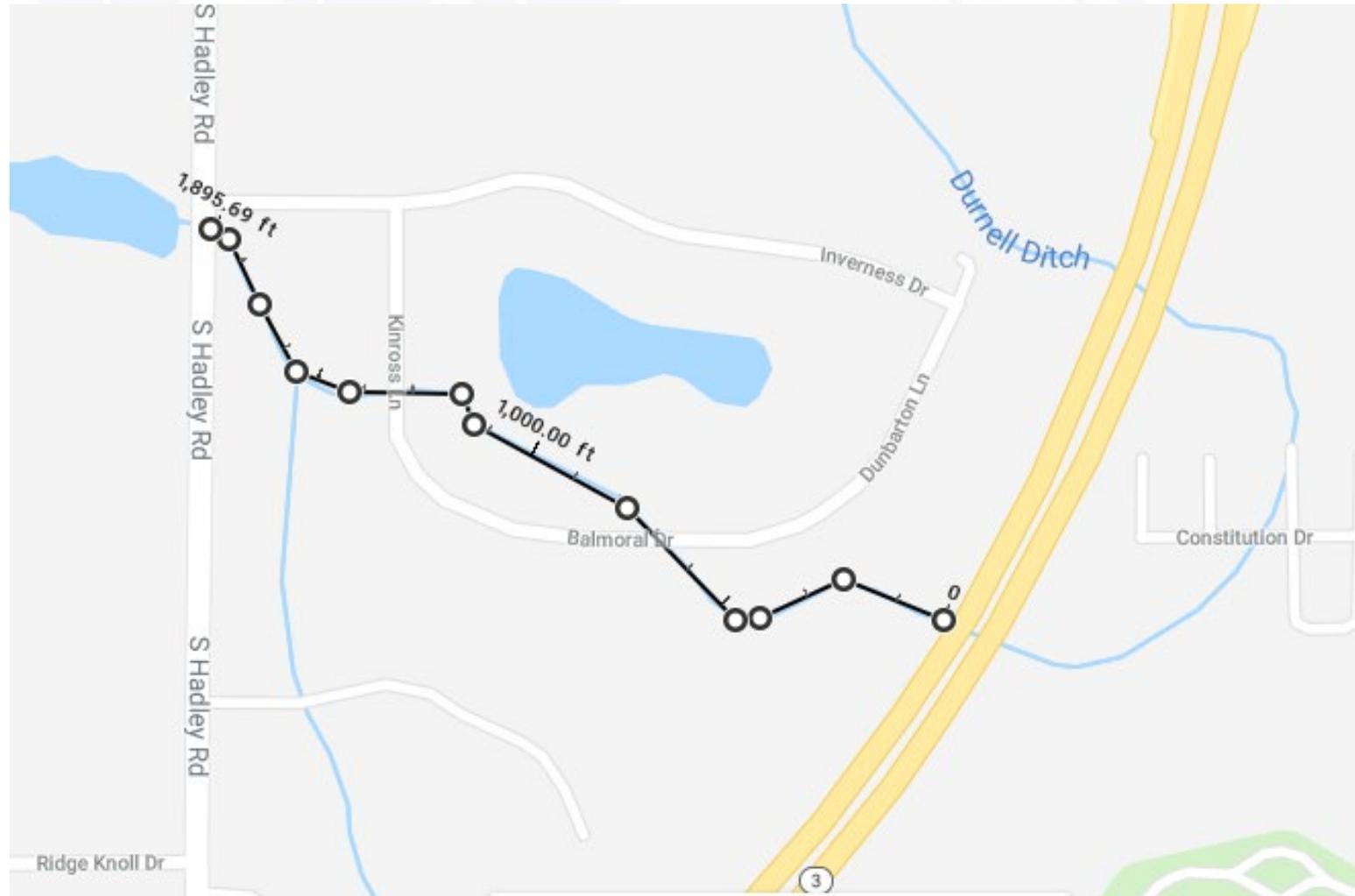


Hydraulics on LPA Projects

- Pipes / Small Structures and Bridges
 - LPA project
 - Locally owned
 - Non-NHS route
 - Existing span is < 4', no review
 - Existing span is 4' or larger
 - Proposed structure is one mile or less downstream of an INDOT structure (measured along the stream)
 - Proposed backwater does not dissipate before reaching an upstream INDOT structure.
 - Proposed structure is ½ mile or less upstream of an INDOT structure (measured along the stream)
 - There are levees within the proposed project limits.

Hydraulics on LPA Projects

- Proposed structure is one mile or less downstream of an INDOT structure (measured along the stream)



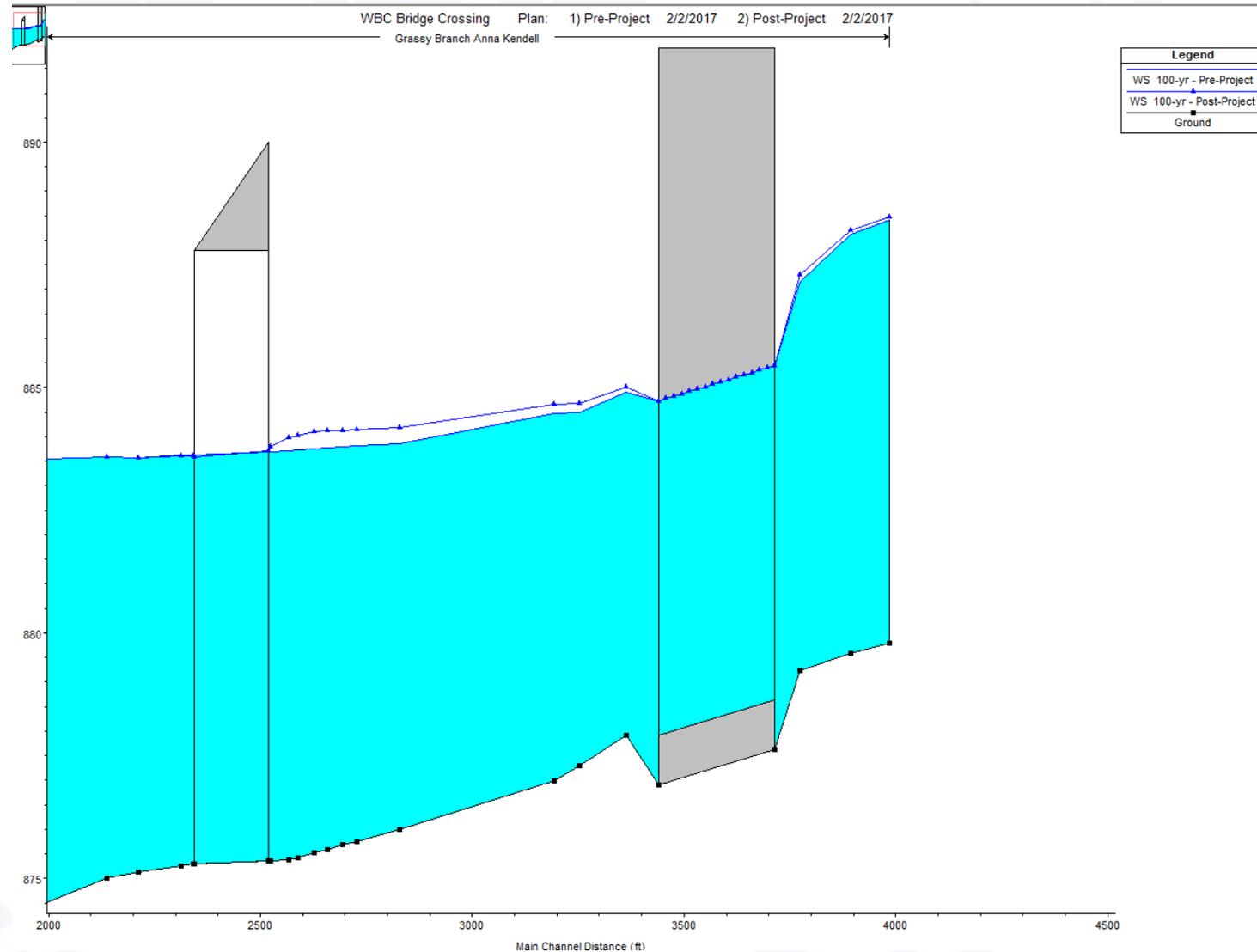
Hydraulics on LPA Projects

- Proposed structure is one mile or less downstream of an INDOT structure (measured along the stream)



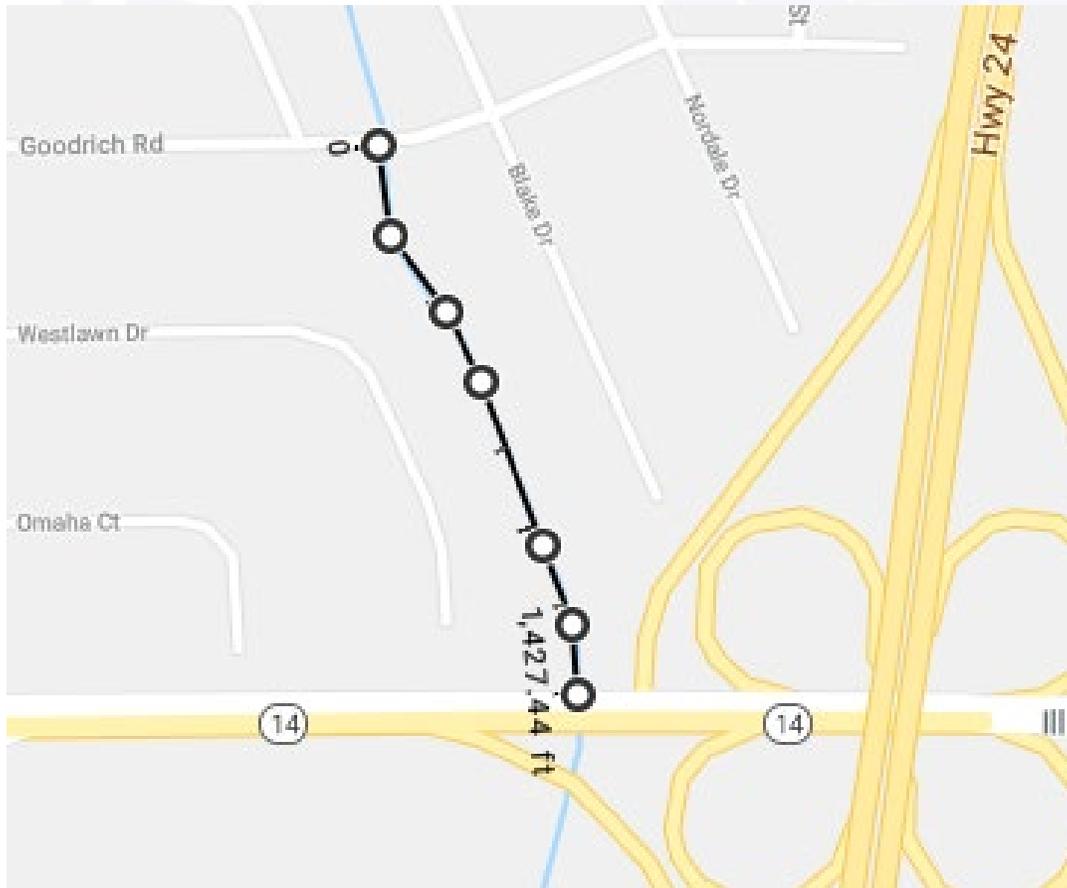
Hydraulics on LPA Projects

- Proposed backwater does not dissipate before reaching an upstream INDOT structure.

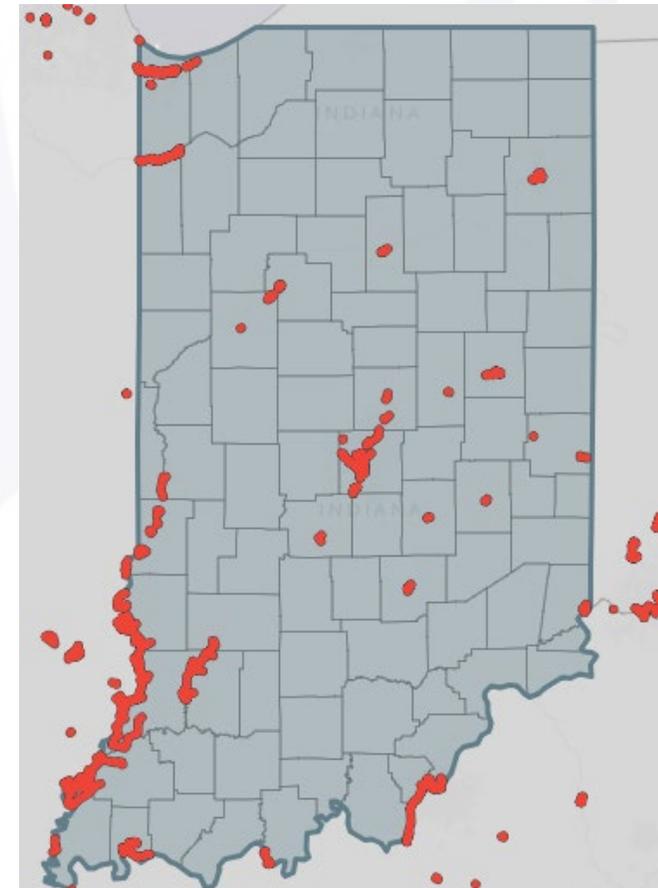


Hydraulics on LPA Projects

- Proposed structure is $\frac{1}{2}$ mile or less upstream of an INDOT structure (measured along the stream)



- There are levees within the proposed project limits.
- <https://levees.sec.usace.army.mil/#/>



Hydraulics on LPA Projects

- Side Cast Berms do not count as levees.

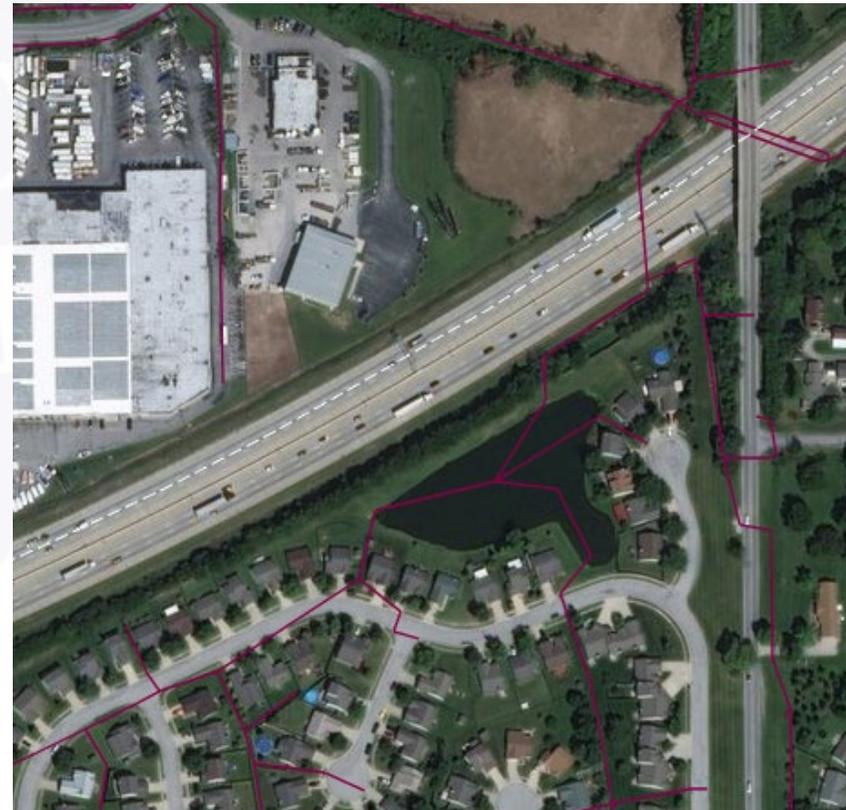
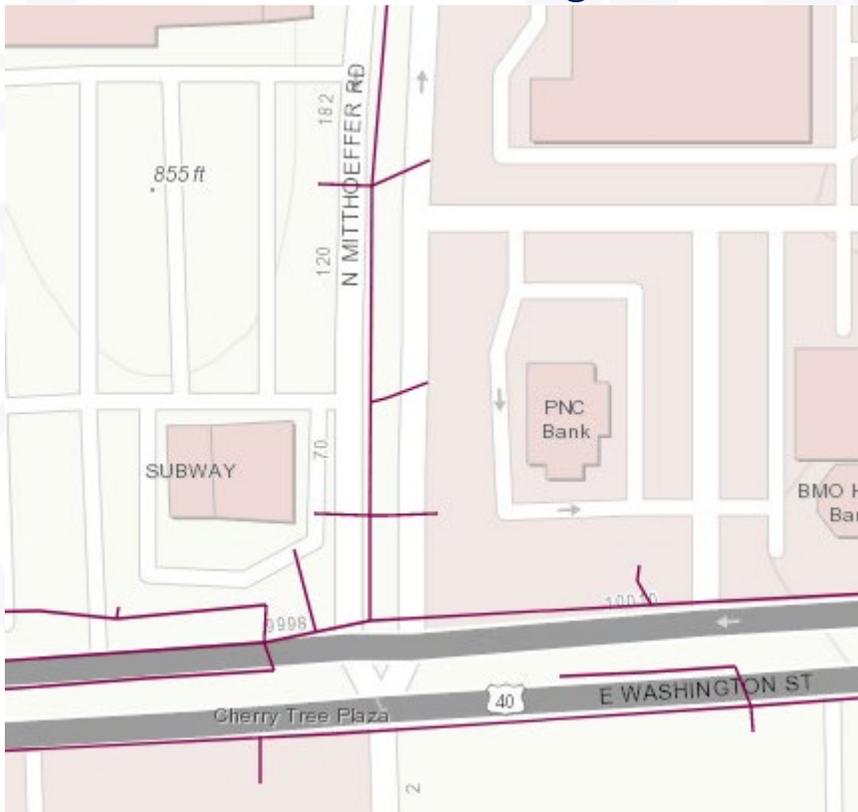


Hydraulics on LPA Projects

- Storm Drains

- Requirements for Review by the Office of Hydraulics

- Where any drainage from the LPA project is received by INDOT Right of Way (ROW)
 - Where any drainage from INDOT ROW is received by the LPA system
 - Detention –when drainage is received by INDOT ROW



Hydraulics on LPA Projects

- What to do if your projects meets all of the conditions of Design Memorandum No. 18-12?
 - Another condition!
 - Any Select Bridge project, as defined by the Historic Bridge Programmatic Agreement (dated July 17, 2006), to be delivered and constructed as a federal-aid project will not be qualified to participate in this program.
 - You may have options with the design criteria you use.
 - If the LPA is a certified LPA they have the option of utilizing local standards and criteria.
 - As of last week the list of Certified LPA's included:
 - Boone County
 - Brown County
 - City of Carmel
 - City of Fishers
 - City of Franklin
 - City of Westfield
 - Porter County
 - You still prepare and submit a report and models as part of the projects design calculations.
 - INDOT will review a sample of projects completed by certified LPAs. The current plan is a random selection of 10% of projects.

Hydraulics on LPA Projects

- Answers to common questions:
 - If LPA is not Certified, all designs per IDM.
 - If your project no longer qualifies for an INDOT review but was previously reviewed and returned with comments for a resubmittal, the resubmittal will not be reviewed.
 - If your project does not qualify for an INDOT review but you want one, LPA needs to request the review. Comments will be provided, but INDOT will not issue formal approval, acceptance or denial. Only general observations and comments will be provided.

LPA Design Policy Changes

