



Public Hearing

Silhavy Road and LaPorte Avenue

INDOT DES. #: 1382601

And

Public Information Meeting

Silhavy Road from LaPorte Ave to Evans Ave

INDOT DES. #: 0900075

Date: Monday, June 20, 2016

Time: 6:00 p.m.

Location:

Valparaiso Council Chambers

Valparaiso City Hall

166 Lincolnway

Valparaiso, IN 46383

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AGENDA

1. Introduction
2. Design Hearing Presentation for Silhavy Road / LaPorte Avenue Intersection
 - Project Description
 - Purpose and Need for Improvement
 - Proposed Improvements
 - Design Data
 - Maintenance of Traffic (During Construction)
 - Right of Way Summary
 - Right of Way Acquisition Process
 - Estimated Project Cost and Funding
 - Anticipated Schedule
3. Public Information Presentation for Silhavy Road from LaPorte Avenue to Evans Avenue
 - Project Description
 - Purpose and Need for Improvement
 - Proposed Improvements
 - Design Data
 - Maintenance of Traffic (During Construction)
 - Right of Way Summary
 - Estimated Project Cost and Funding
 - Anticipated Schedule
4. Public Comment Session
5. Closing Remarks / Adjournment

Please sign-in at the sign-in table. Please provide your email address if you wish to receive future project correspondence.

Information packets, display graphics, right of way acquisition brochures, construction plans, and the Level 2 Categorical Exclusion Document (Environmental Document) are available at the meeting. Also, representatives from the City and DLZ are available for questions.



Public Comment:

The purpose of the public hearing is to explain the project and anticipated impacts and receive feedback from the public. There are three ways public statements can be made that will be included in the official transcript for the project.

1. A public statement can be made during the public hearing. A public comment session will follow the presentation. All statements made during this session will be included in the hearing record.
2. Written statements can be made using the comment forms provided in this informational packet. Additional forms are available at the public hearing. Completed comment sheets can be placed in the comment box or mailed to the following address:

DLZ Indiana, LLC
Attn: Ryan Carrington
900 Ridge Road, Suite L
Munster, Indiana 46321

3. Written comments may be submitted via email to: ValpoSilhavy@dlz.com
4. Verbal statements can be made in the voice recorder available at the public hearing.

All comments must be sent (or postmarked if by mail) no later than July 5, 2016 in order to be included in the official record for the public hearing.



Silhavy Road and LaPorte Avenue:

Reconstruction of the Silhavy Road / LaPorte Avenue intersection. Construction limits are along LaPorte Avenue from approximately 600 feet west of Silhavy Road to 750 feet east of Silhavy Road, and along Silhavy Road from 400 feet south to 450 feet north of LaPorte Avenue. The approximate length of the project is 2,200 feet of roadway reconstruction.

Need for Improvements:

The primary need for this project is improve the safety and capacity of the intersection. This intersection ranks 3rd in the City of Valparaiso for number of crashes and is one of the City's busiest intersections. The existing Level of Service (LOS) for this intersection is rated as LOS D and traffic volumes are anticipated to continue to grow.

Traffic volume data is as follows:

	Existing Traffic Volumes (2014)	Projected Traffic Volumes (2038)
Silhavy Road	10,265 vpd	12,729 vpd
LaPorte Ave	23,389 vpd	29,000 vpd

The pavement condition of the intersection is also in need of repair.

Proposed Improvements:

Proposed improvements involve construction of a dual-lane roundabout. The configuration will include 2-lanes entering and exiting the roundabout as well as an additional right turn by-pass lane for the west approach. Proposed improvements will include construction of curb and gutter through the project limits.

An 8-foot multi-use path will be constructed along Silhavy Road and LaPorte Avenue. The existing path along Silhavy Road north of LaPorte Avenue will remain in place when possible. Sidewalk will be constructed along the east side of Silhavy Road. The sidewalk will be 5-foot wide when a grass buffer can be provided between the curb and sidewalk. The sidewalk will be constructed 6 feet wide when adjacent to the curb.

Drainage improvements will include a closed storm sewer system with curb inlets and underground piping to connect to the existing storm sewer trunkline along Silhavy Road.



Maintenance of Traffic:

In order to maintain traffic through the intersection during construction, the project will be constructed in 6 phases. Temporary pavement will be used to provide room for 1 through lane in each direction and a left turn lane for each approach. A temporary traffic signal is anticipated to be used to direct traffic.

Phase 1:

Temporary widening will be constructed along the north side of LaPorte Avenue to be used in Phase 2.

Phase 2:

Traffic will be shifted to the north side of LaPorte Avenue along the temporary pavement placed during Phase 1. Construction is done on the south lanes of the proposed roundabout.

Along Silhavy Road north of LaPorte Ave, traffic is shifted to the west lanes while the east side is reconstructed. South of LaPorte Avenue, traffic is shifted to the east side while the west side is reconstructed.

Phase 3:

Traffic is shifted to newly constructed south lanes along LaPorte Avenue. Construction is performed on the north lanes.

Along Silhavy Road, traffic is maintained along the east side and the west side of Silhavy Road, north of LaPorte Avenue, is constructed.

Phase 4:

Traffic remains on the south lanes of LaPorte Avenue and is shifted to the west side of Silhavy Road while the east side of Silhavy Road is under construction.

Phase 5:

Traffic is maintained along the south lanes of LaPorte Avenue and west side of Silhavy Road while remaining portions of the circulating roadway are constructed.



Phase 6

Traffic is maintained along the newly constructed roundabout using a single lane in each direction. Construction is completed on the splitter islands and center island.

Right of Way Summary

Approximately 2 acres of proposed permanent right-of-way and 0.5 acres of temporary right-of-way will need to be acquired for construction of the proposed improvements. Right-of-way acquisition acreage may change depending on property research findings.

Relocations of businesses or residents is not anticipated to be required.

Estimated Project Cost:

	Construction Year: 2019
Preliminary Engineering:	\$ 385,500.00
Right-of-Way:	\$ 1,052,000.00
Construction:	\$ 3,750,000.00
Construction Inspection:	\$ 562,500.00
Total Cost:	\$ 5,750,000.00

Prior Studies and Considerations:

- Roundabout Feasibility Study: August 2014
- Preliminary Field Check: October 2015
- Categorical Exclusion: Draft Approved April 9, 2016
- Design Exceptions, Level 2: To Be Submitted
- Design Public Hearing: June 20, 2016 @ 5:30 p.m.
- Hearing Certification: Required
- Rule 5 Permit: To be applied for
- INDOT Right of Entry Permit: To be applied for
- Right of Way Engineering: Beginning July 2016
- Right of Way Appraisal: Beginning October 2016
- Right of Way Buying: Beginning January 2017
- Anticipated Construction: 2019





Design Data:

Silhavy Road	
Geometric Design Criteria	Indiana Design Manual: Figure 53-8
Functional Classification	Urban Collector
Design Class	4R Non Freeway
Terrain	Level
Design Speed/Posted Speed	30 mph
Access Control	Partial (median islands)
Number of Lanes and Widths	2 Lanes entering and exiting the roundabout 11-14' Varying Lane Width
Curb	2'-7" Curb and Gutter
Multi-Use Path & Sidewalk	8-foot multi-use path 5-foot sidewalk (6-foot adjacent to curb)
Typical Slopes (grading)	3:1 Max
Clear Zone Width	10 feet

LaPorte Avenue	
Geometric Design Criteria	Indiana Design Manual: Figure 53-6
Functional Classification	Minor Arterial
Design Class	4R Non Freeway
Terrain	Level
Design Speed/Posted Speed	35 mph (west), 45 mph (east)
Access Control	Partial (Median islands)
Number of Lanes and Widths	2 Lanes entering and exiting the roundabout 12-14' Varying Lane Width 16-foot right turn by-pass lane
Curb	2'-7" Curb and Gutter
Multi-Use Path	8-foot multi-use path
Typical Slopes (grading)	3:1 Max
Clear Zone Width	10 feet



Silhavy Road – LaPorte Avenue to Evans Avenue:

Reconstruction of the Silhavy Road from LaPorte Avenue to Evans Avenue. Construction limits are along Silhavy Road from approximately 450 feet north of LaPorte Avenue to approximately 450 feet north of Evans Avenue, and along Evans Avenue from 600 feet west to 500 feet east of Silhavy Road. The approximate length of the project is 4,280 feet of roadway reconstruction.

Need for Improvements:

The need for improvements along Silhavy Road is improve the safety and capacity of the roadway and address drainage issues at the Silhavy Road / Evans Avenue intersection. There are a high number of residential and commercial driveways located along Silhavy Road. Vehicles turning left into these intersections can cause traffic delays and potential safety concerns. Additionally, there is a utility pole in the right turn island in the Silhavy Road/Evans Avenue intersection.

Storm water ponding into the travel lanes occurs at the intersection of Silhavy Road and Evans Avenue.

Proposed Improvements:

Proposed improvements involve construction of a three lane roadway section along Silhavy Road between John Howell Drive and the Grand Trunk Railroad crossing. The configuration will include one lane in each direction and a center two-way left turn lane. The Silhavy Road / Evans Avenue intersection will be reconstructed to include left and right turn lanes where appropriate. Proposed improvements will include construction of curb and gutter through the project limits. The existing pavement will remain in place and be resurfaced when possible to reduce construction costs.

The existing 8-foot multi-use path along the west side of Silhavy Road will remain in place where possible. Reconstruction of the path will be necessary in areas that are impacted

Drainage improvements will include a closed storm sewer system with curb inlets and underground piping. South of the railroad crossing, the storm sewer network will outlet to the existing basin area in the southwest corner of Chicago Street and Silhavy Road. North of the railroad crossing, the storm sewer will outlet to the regional detention area located north and east of the intersection of Silhavy Road and Evans Avenue. This area is identified as Hotter's Lagoon. The existing basin in the southeast corner of Silhavy Road / Evans Avenue will have an

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overflow pipe into the proposed new storm sewer system to avoid storm water overtopping onto the roadway.

Maintenance of Traffic:

Proposed improvements will be constructed while maintaining traffic through the project. Construction will occur in three phases:

Phase 1:

Traffic will be shifted to the west side while the east side is under construction.

Phase 2:

Traffic will be shifted to the newly constructed east side while the west side is under construction.

Phase 3:

Resurfacing of the entire project, completed under traffic.

Right of Way Summary

Approximately 1.62 acres of proposed permanent right-of-way and 0.68 acres of temporary right-of-way will need to be acquired for construction of the proposed improvements. Right-of-way acquisition acreage may change depending on property research findings.

Relocations of businesses or residents is not anticipated to be required.

Estimated Project Cost:

	Construction Year: 2018
Preliminary Engineering:	\$ 436,000.00
Right-of-Way:	\$ 487,100.00
Construction:	\$ 3,406,000.00
Construction Inspection:	\$ 510,900.00
Total Cost:	\$ 4,840,000.00



Schedule:

Preliminary Field Check: April 2015
 Categorical Exclusion: Draft submitted May 31, 2016
 Public Info Meeting: June 20, 2016 @ 5:30 p.m.
 CE Document – Final Approval: Anticipated September 2016
 Right of Way Engineering: Beginning August 2016
 Right of Way Appraisal: Beginning October 2016
 Right of Way Buying: Beginning January 2017
 Anticipated Construction: 2018

Design Data:

Silhavy Road	
Geometric Design Criteria	Indiana Design Manual: Figure 53-8
Functional Classification	Urban Collector
Design Class	4R Non Freeway
Terrain	Level
Design Speed/Posted Speed	30 mph
Access Control	None
Number of Lanes and Widths	One 11-foot lane in each direction 14-foot two-way left turn lane 11 & 12-foot lanes approaching Evans Ave
Curb	2'-7" Curb and Gutter
Multi-Use Path & Sidewalk	8-foot multi-use path (9-foot adjacent to curb) 5-foot sidewalk (6-foot adjacent to curb)
Typical Slopes (grading)	3:1 Max
Clear Zone Width	10 feet



Evans Avenue	
Geometric Design Criteria	Indiana Design Manual: Figure 53-6
Functional Classification	Minor Arterial
Design Class	4R Non Freeway
Terrain	Level
Design Speed/Posted Speed	30 mph
Access Control	None
Number of Lanes and Widths	One lane in each direction, added left and right turn lanes Lane widths vary 11-12 feet
Curb	2'-7" Curb and Gutter
Multi-Use Path	8-foot multi-use path (9-foot adjacent to curb)
Typical Slopes (grading)	3:1 Max
Clear Zone Width	10 feet

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