

VAN-US 30-Interchange

(US30/US224/Liberty Union Road & US127-North Washington St)

PID 119643

This project consists of removing the at-grade intersection at US 30 and Liberty Union Road and realigning Liberty Union Road to connect to the existing US 224 interchange with US 30. Alternative interchange configurations may also be considered. Liberty Union Road is a local road that runs north-south. The intersection has two-way stop control on the minor road approaches and a posted speed limit of 55 miles per hour. US 30 is a four-lane divided highway that runs east-west with a posted speed limit of 70 miles per hour. The travel lanes are approximately 11' wide on US 30 and 10' wide on Liberty Union Road.

This project also involves widening US 127 from Bonnewitz Avenue to the eastbound US 30 interchange ramp. US 127 is a minor arterial that runs north-south with a posted speed limit of 35 miles per hour. This segment is a two-lane roadway with a two-way left turn lane. The travel and turning lanes are approximately 12' wide.

High traffic volumes and high rates of speed on US 30 provide vehicles with few gaps to cross the at-grade intersection. This can lead to driver impatience and risky decision making. This project will eliminate the US 30/Liberty Union at-grade crossing by the modification of an interchange. Furthermore, widening US 127 (North Washington St.) will help relieve congestion along that corridor.

Intersection History and Data

History

- The posted speed limit on US 30 was increased to 70 miles per hour (2013).
- Wrong Way signage and pavement markings installed on US 30 (2021).

VAN/PAU US 30 Feasibility Study (PID 113196)

- A study was completed in 2023 to evaluate the feasibility of converting the corridor of US 30 from the Indiana state line to the Lincoln Highway interchange into a limited access highway.
 - The recommended countermeasure was to close the Liberty Union Road at-grade intersection and reconnect Liberty Union Road to the US 30/US 224 interchange.
 - The most common at-grade crash type along this corridor were fixed object crashes. These crashes may be occurring due to vehicles leaving the roadway when avoiding a collision with a turning vehicle.

VAN – Bonnewitz Avenue Signal (PID 120039)

- Construction of a new signal at the intersections of Bonnewitz and Brooks Avenue with US 127.
 - 2026 Construction

US 30 & Liberty Union Road Crash Statistics (2018-2022)

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| <ul style="list-style-type: none"> • 3 total crashes <ul style="list-style-type: none"> ○ 2 angle ○ 1 rear end | <ul style="list-style-type: none"> • 67% injury rate <ul style="list-style-type: none"> ○ 2 injury crashes ○ 1 property damage only crash |
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AADT

2023	US-30	14,313	(46% trucks)
	Liberty Union	401	N/A
2022	US 127	11,755	(23% trucks)
2013	US-30	11,968	(35% trucks)
	Liberty Union	343	N/A
2012	US 127	6,310	(17% trucks)

Deliverables

Consultant provides:

- Interchange Modification Study (potentially both locations)
- Feasibility Study
- Preliminary alternatives
- Environmental
- Public Involvement Support (displays/attend meeting)
- Survey
- Right-of-Way Plans
- Subsurface Utility Location/Engineering
- Construction Plans
- Geotechnical

ODOT District 1 provides:

- Public Involvement
- Utility Coordination
- R/W Acquisition

Funding

Funded by TRAC

- \$1,400,000 for PE Environmental in FY 2025

Funding to be Determined

- \$200,000 for PE Detailed Design in FY 2026
- \$1,950,000 for Right of Way in FY 2026
- \$16,250,000 for Construction in FY 2028

Additional Information

- 5% EDGE goal
- Improvements to Richey Rd, Convoy Rd, and Liberty-Union Rd will be included to provide a new route for quarry trucks to access US 30. The quarry is located north of US 30 on Richey Rd.
- Agreement will be split into two profiles in SAFe
 - Planning through Preliminary Engineering
 - Stage 1 through Final Design

Prequalifications

- Bicycle Facilities & Enhancement Design
- Roadway Design (Non-Complex & Complex)
- Interchange Modification/Justification Study (IMS/IJS)
- RW Plan Development (Limited & Complex)
- Subsurface Utility Location Services
- Bridge Design (Level 1 & Level 2)
- Soils/Geotechnical Services
 - Geotech Engineering Services
 - Geotech Testing Laboratory
 - Geotechnical Field Exploration
 - Geotechnical Drilling Inspection
- Highway Lighting Design (Limited & Complex)
- Traffic Signal Design
 - Basic Traffic Signal Design
 - Traffic Signal Systems Design
 - ITS Design and Operations
- Environment Services
 - Environmental Doc Prep – CE
 - Ecological Surveys
 - Waterway Permits
 - Archaeological Investigations
 - Hist./Architectural Investigations
 - Regulated Materials Review