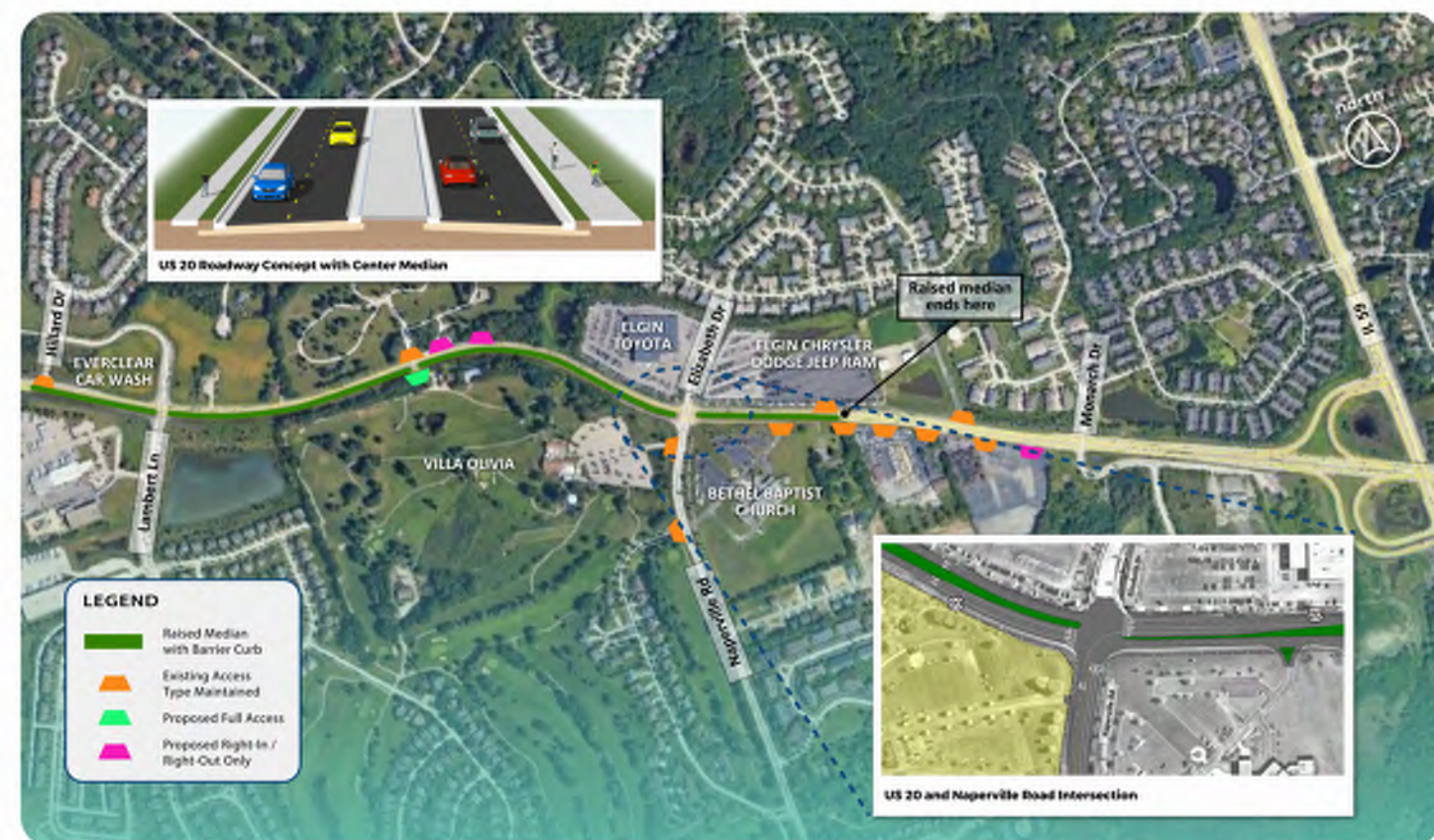


Median and Intersection Safety Improvements

Based on public feedback, safety improvements between Lambert Lane and IL 59 are being incorporated into this project. The study proposes replacing the painted and mountable medians with a raised median between approximately Lambert Lane to just west of the existing Squeaky G's Car Wash.

The raised median helps to indicate a change in the type of roadway, reduces head-on crashes, and provides channelization at intersections.



Provide Your Comments

Questions and comments can be submitted to the study team via the following methods:

- Email us at info@US20atShalesStudy.org
- Sign up for updates and join our mailing list at www.US20atShalesStudy.org
- Mail a letter to: **Illinois Department of Transportation**
Bureau of Programming, Attn: Lori Brown
201 West Center Court
Schaumburg, IL 60196-1096

Comments received by December 14, 2022, will become part of the official public information meeting record.

US 20 at Shales Parkway Phase I Engineering Study

Public Information Meeting #2

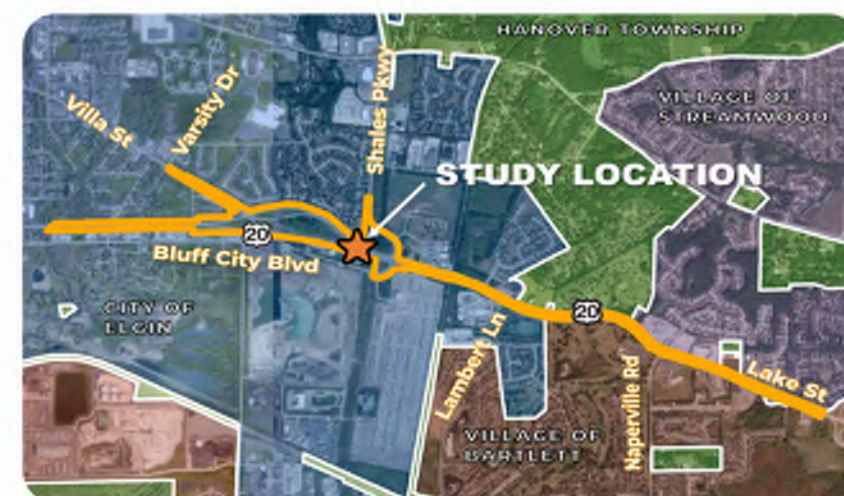
November 16, 2022

Welcome

The Illinois Department of Transportation welcomes you to the second public information meeting for the improvements of US 20 at Shales Parkway. The improvement is looking to enhance safety and operations at the intersection.

Your input is essential! Please look around, watch the audio-visual presentation, ask questions, and provide your comments. Written feedback can be provided during the meeting today and through the project's website, www.US20atShalesStudy.org. The exhibits and audio-visual presentation from today's meeting are posted on the project's website for review outside of this meeting.

Thank you for participating, and the Department looks forward to talking with you about the project.



Study Area

The study area focuses on potential improvements at the US 20 and Shales Parkway intersection and the existing interchange at Villa Street in the City of Elgin in northern Cook County, Illinois. In order to identify and capture potential impacts of alternatives, the study extends west along US 20 to Poplar Creek and east along US 20 to Illinois Route 59 into the Villages of Bartlett and Streamwood.

Purpose and Need

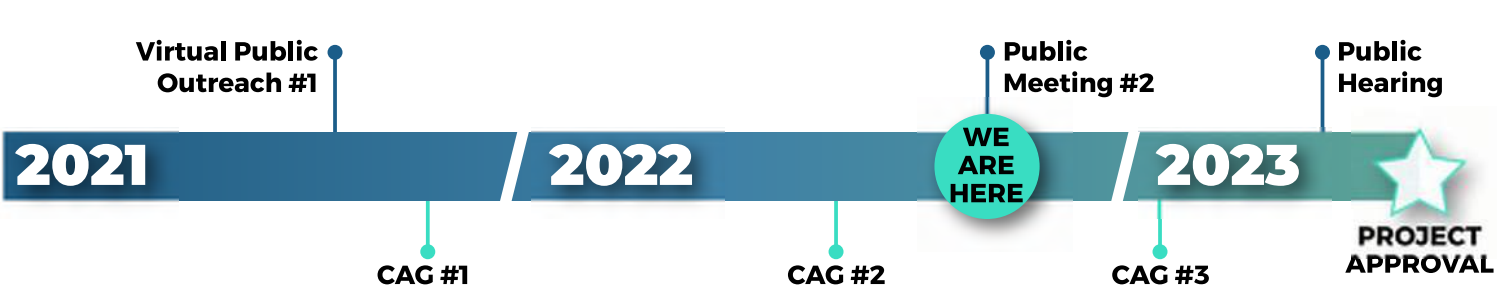
The purpose of the US 20 at Shales Parkway project is to improve safety, increase mobility, and improve multimodal connections along the US 20 corridor.

The US 20 at Shales Parkway signalized intersection has been identified as Safety Tier Critical, the highest tier, by IDOT's Division of Transportation Safety. The existing design and configuration of the intersection no longer accommodates travel demands. The need for the US 20 and Shales Parkway project is supported by high crash rates and the severity of the crashes.

Improvements are needed to:

- **Reduce** potential for severe and fatal crashes on US 20
- **Improve** operational efficiency and reliability at US 20 and Shales Parkway
- **Accommodate** multimodal connections in the study area
- **Support** goals of the City of Elgin's Comprehensive Plan

Phase I Project Timeline



The Community Advisory Group, or CAG, is a group of volunteers that represents the community. The CAG shares issues and concerns with the Department, and also identifies and evaluates potential alternatives and solutions.

Draft Interchange Alternatives

Feasibility Study - US 20 w/IL 390 Extension (2017)

In 2017, IDOT conducted a feasibility study for US 20 to accommodate an extension of IL 390. The study produced this interchange alternative to serve the US 20 at Shales Parkway area.

The alternative proposes an elevated US 20 over Villa Street, Gifford Road, and Shales Parkway. The concept develops a new roadway to connect Shales Parkway directly to Gifford Road. The alternative provides a split interchange with local access to Shales Parkway and an updated Villa Street alignment.



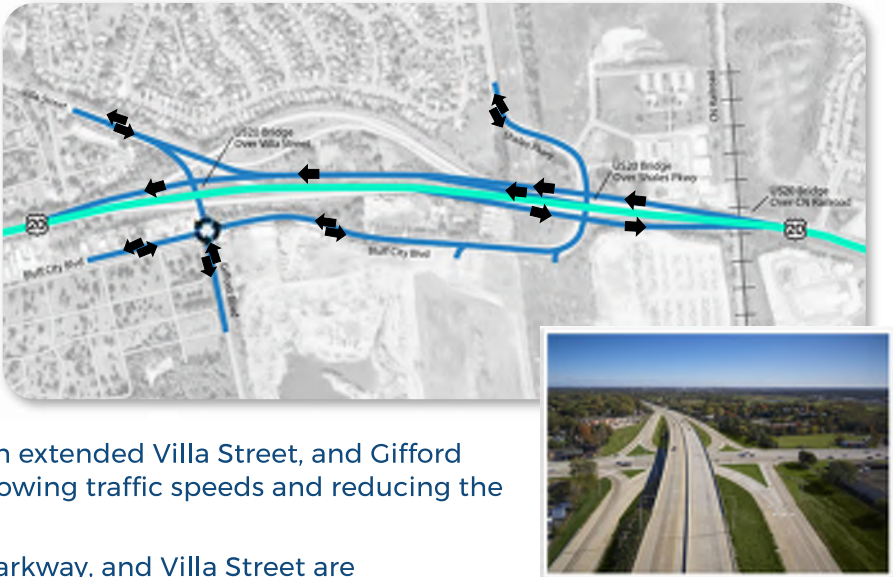
Single Point Urban Interchange (SPUI) at Shales Parkway

This alternative is a single point urban interchange (SPUI).

The proposed alternative elevates US 20 over a new north-south connector linking Villa Street and Bluff City Boulevard and over Shales Parkway. The SPUI alternative reduces the number of times a vehicle crosses paths to one location, which reduces opportunities for crashes.

In addition, a new roundabout is proposed at the intersection of Bluff City Boulevard, an extended Villa Street, and Gifford Road. The roundabout improves safety by slowing traffic speeds and reducing the number of conflict points.

All movements to and from US 20, Shales Parkway, and Villa Street are accommodated with this alternative. A local example of a SPUI can be found at the McLean Boulevard and US 20 intersection in Elgin.



Study Overview and Process - Project Phases

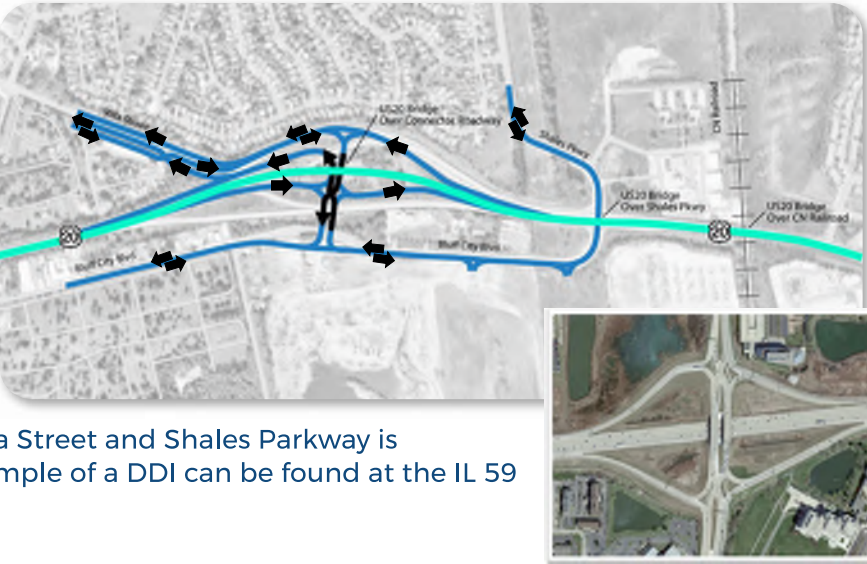
Phase I	Phase II	Phase III
Preliminary Engineering and Environmental Study <i>Fully Funded</i> <i>Anticipated Completion - 2023</i>	Contract Plan Preparation and Land Acquisition <i>Included in FY 2023-2028 Multi-Year Improvement Program</i> <i>24-36 months to complete</i>	Construction <i>Included in FY 2023-2028 Multi-Year Improvement Program</i> <i>24-36 months to complete</i>

Illinois Department of Transportation projects are organized into three distinct phases. This study is currently in Phase I. Phase I includes preliminary engineering and environmental studies. Phase I of this study is fully funded. Phases II and III are included in the Department’s Fiscal Year 2023-2028 Multi-Year Improvement Program. Phases II and III are contingent upon plan readiness, potential land acquisition, if needed, and future legislative funding. The Department anticipates Phase I to be complete in 2023. Phase II and Phase III will each take 24-36 months to complete.

Diverging Diamond Interchange (DDI) West of Shales Parkway

This is an example of how a diverging diamond interchange (DDI) would serve the US 20 at Shales Parkway study area. The DDI has the potential to improve driver safety by reducing the number of vehicle conflict points. This interchange design proposes new US 20 bridges over a new, north-south connector roadway linking Villa Street and Bluff City Boulevard, and over Shales Parkway.

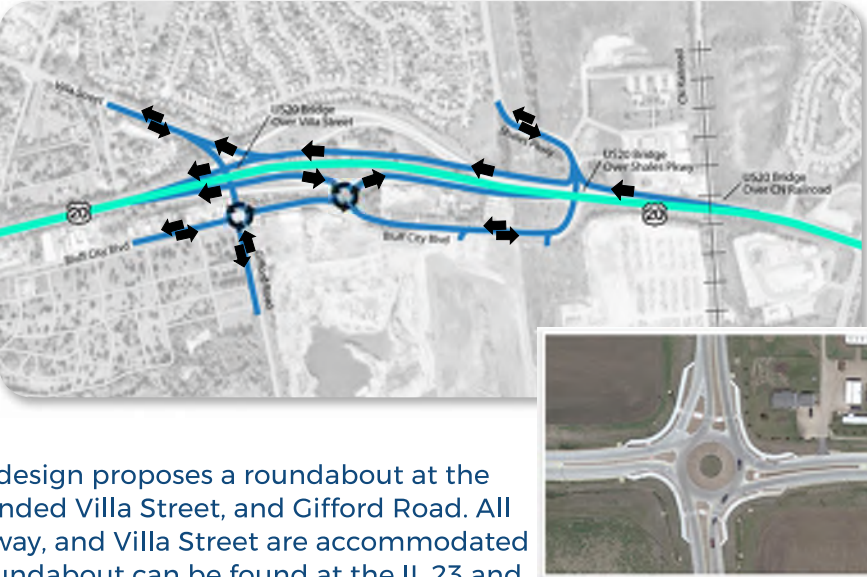
All existing access to and from US 20 for Villa Street and Shales Parkway is maintained with this alternative. A local example of a DDI can be found at the IL 59 and I-88 intersection in Naperville.



Roundabout West of Shales Parkway

This is an example of how a roundabout west of Shales Parkway would serve the US 20 study area. Roundabouts are designed for lower-speed driving with all traffic moving in the same direction, eliminating left turns across traffic, and creating fewer stress points that can cause crashes. This interchange design proposes new US 20 bridges over a new, north-south connector roadway linking Villa Street and Bluff City Boulevard, and over Shales Parkway.

Like the SPUI interchange, this interchange design proposes a roundabout at the intersections of Bluff City Boulevard, an extended Villa Street, and Gifford Road. All movements to and from US 20, Shales Parkway, and Villa Street are accommodated with this alternative. A local example of a roundabout can be found at the IL 23 and I-90 intersection in Marengo.



Detailed interchange alternative drawings are available on the project website.