



Public Hearing West Side Improvements

Lead Des No. 1900308

Includes Des. Nos. 2001917, 2100041, 1900262, 1900258, 1900260

September 2023



AGENDA

- 1) Project Overview**
- 2) Innovative Intersections**
- 3) Recommended Improvements**
- 4) Next Steps**
- 5) Follow Our Progress**

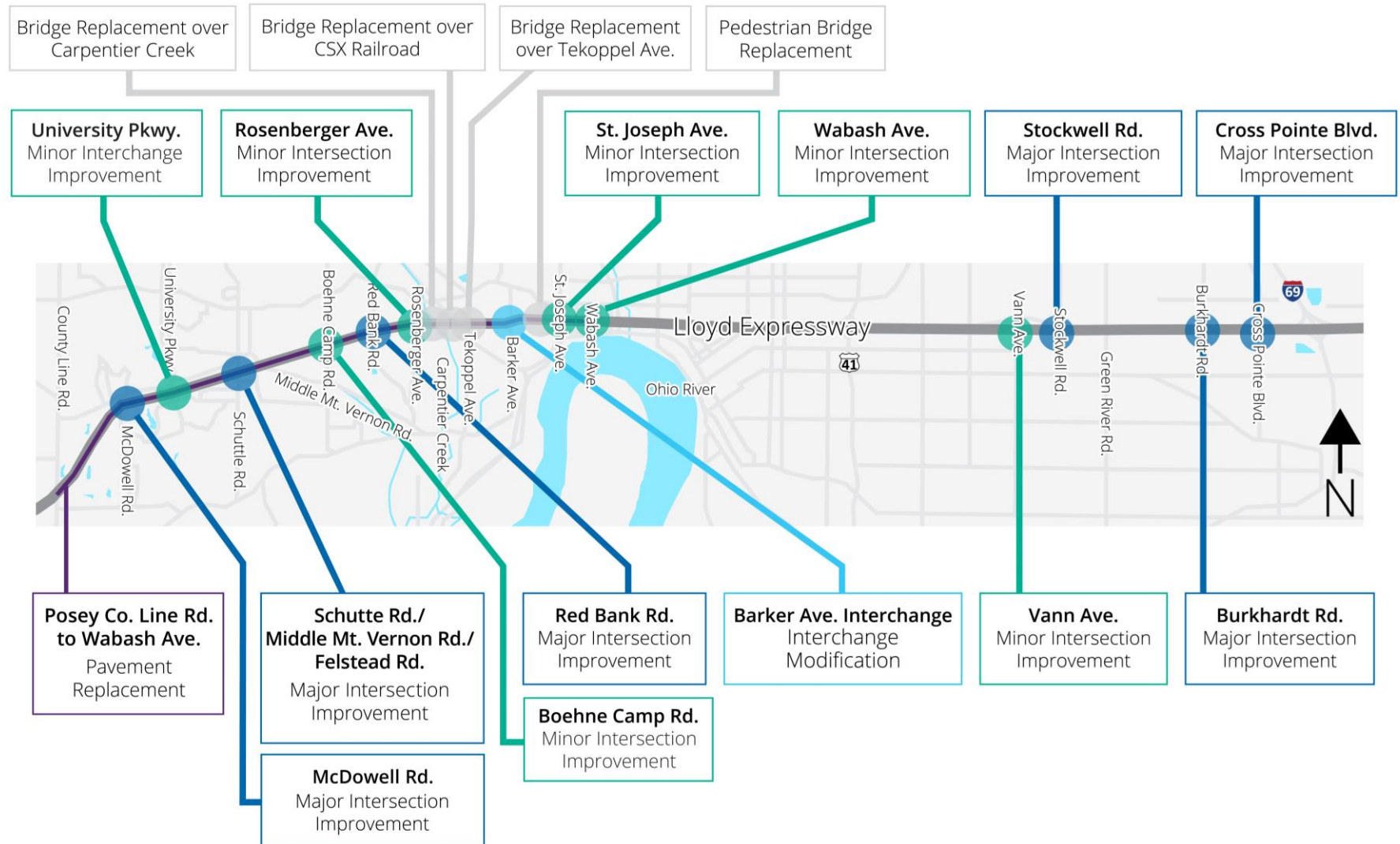
An aerial photograph of a city street scene, featuring a large, multi-story building with a distinctive stepped facade. The street is filled with cars and trucks, and there are green spaces and other buildings in the background. A semi-transparent blue overlay covers the entire image, and a bright green banner is positioned across the middle.

PROJECT OVERVIEW

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- Includes more than a dozen improvement projects
- INDOT plans to invest more than \$150 million
- Projects extend across Vanderburgh County, from Posey County Line Road to Cross Pointe Boulevard
- Projects include intersection improvements, bridge replacements, pavement replacement and more

IMPROVEMENT LOCATIONS



- Major Intersection Improvement
- Minor Intersection Improvement
- Pavement Replacement
- Bridge Replacement
- Intersection Modification

PROJECT PURPOSE

Making the Lloyd Work For You

- Enhance **safety**
- Improve **mobility**
- Maintain **accessibility**



THE
LLOYD4U

Making the Lloyd Work for You

THE BIG PICTURE

- The team is **sharing preliminary designs**.
- More detailed maps **are available**.
- Public input is an **important part of the process**.
- We're talking to **businesses** and **other stakeholders**.
- Additional **outreach will be conducted next year** to educate drivers on using innovative intersections.

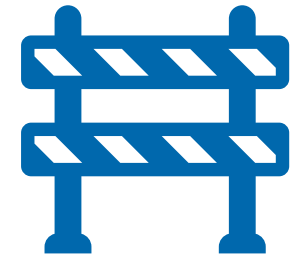
WHAT HAS BEEN HAPPENING

- Traffic analysis
- Preliminary maintenance of traffic plans
- Preliminary road design
- Survey work
- Construction expected to begin in **spring 2024**



RIGHT-OF-WAY

- No relocations with the project
- Only strips or corner cuts of permanent right-of-way
- Temporary right-of-way for sidewalks, driveways, grading and sloping



An aerial photograph of a city, likely near a waterfront, with a large blue semi-transparent overlay. The overlay contains the text 'INNOVATIVE INTERSECTIONS' in white, bold, sans-serif font. The background shows various buildings, streets, and a body of water in the distance.

INNOVATIVE INTERSECTIONS

WHAT ARE INNOVATIVE INTERSECTIONS?

- Innovative intersections are **new to the area**
- A **proven success** in other areas
- **Organize traffic** to improve flow and safety
- **Change the way left turns** are made
- **Reduce conflict points**, enhance safety



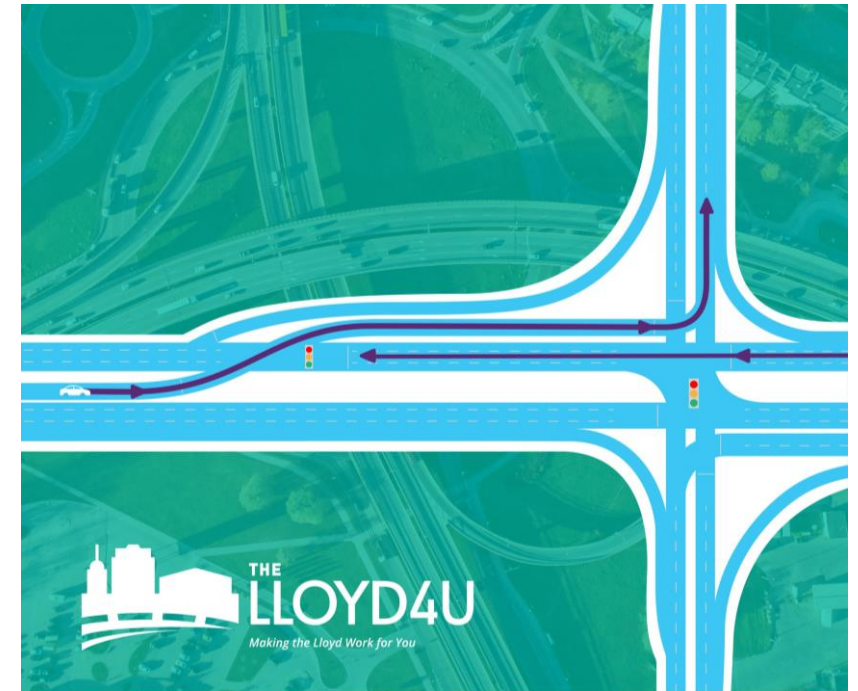
Displaced Left Turn



Boulevard Left Turn

DISPLACED LEFT TURN

- Vehicles turning left move to a **dedicated lane** on the other side of the road, with a signal, **before the main intersection**
- Left-turning traffic **moves with through traffic on the Lloyd Expressway**
- **Reduced conflict points, enhanced safety and traffic flow** at main intersection
- Also known as a **continuous flow intersection**



An aerial photograph of a city street scene, featuring a large, multi-story building with a distinctive zig-zag facade. The street is filled with cars and trucks, and there are utility poles and wires visible. A large green banner with white text is overlaid across the middle of the image. The background shows a body of water and more buildings in the distance.

WEST SIDE IMPROVEMENTS

PROJECT IMPROVEMENTS

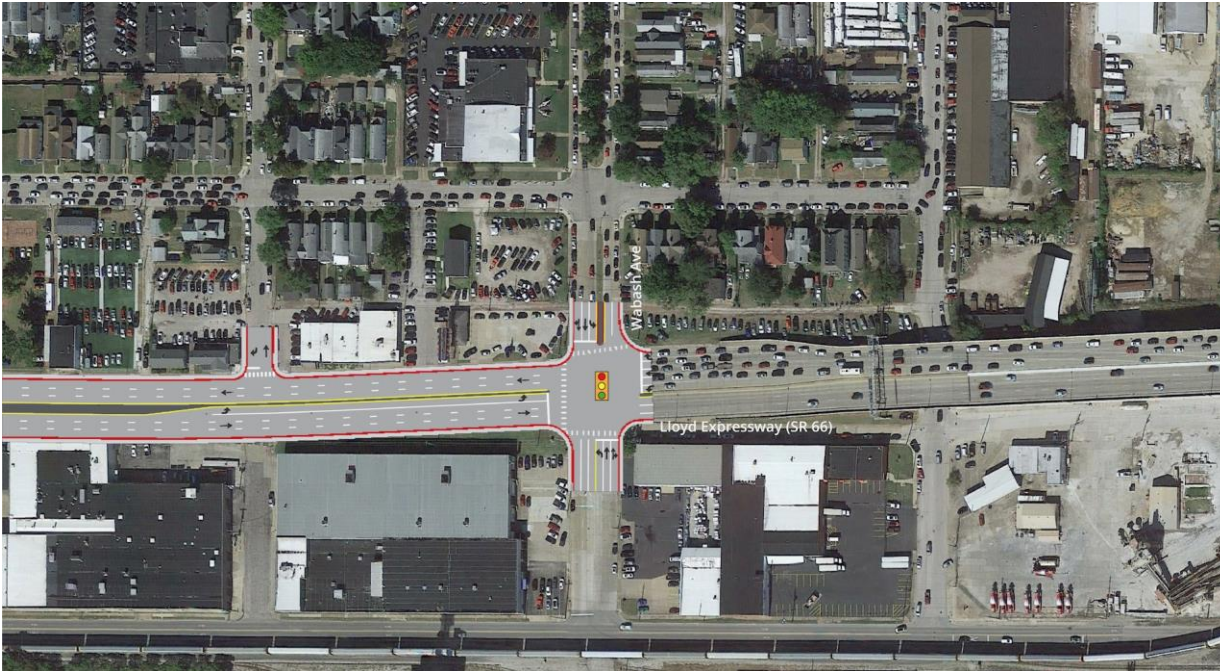
- Pavement replacement
- New guardrails, curbs and sidewalks
- New drainage pipes, structures and grading
- Added street lighting, new signs and pavement markings
- Signal replacements



LLOYD FACILITY TYPES

- Posey Co. Line to Boehne Camp: Rural 4-lane divided roadway
- Boehne Camp to Rosenberger: Urban 4-lane divided highway
- Rosenberger to Barker: Adding two lanes to create a 6-lane urban roadway
- Barker to Wabash: 6-lane urban roadway, new separate storm sewer

WABASH AVENUE



Minor Intersection Improvement

- Lengthen eastbound left turn
- Westbound warning signs for traffic backups
- Updated signal timing and coordination with St. Joseph Avenue
- Close access to Pennsylvania Street

Considerations

- High number of westbound rear-end crashes
- Westbound sight distance/Pigeon Creek Bridge

ST. JOSEPH AVENUE



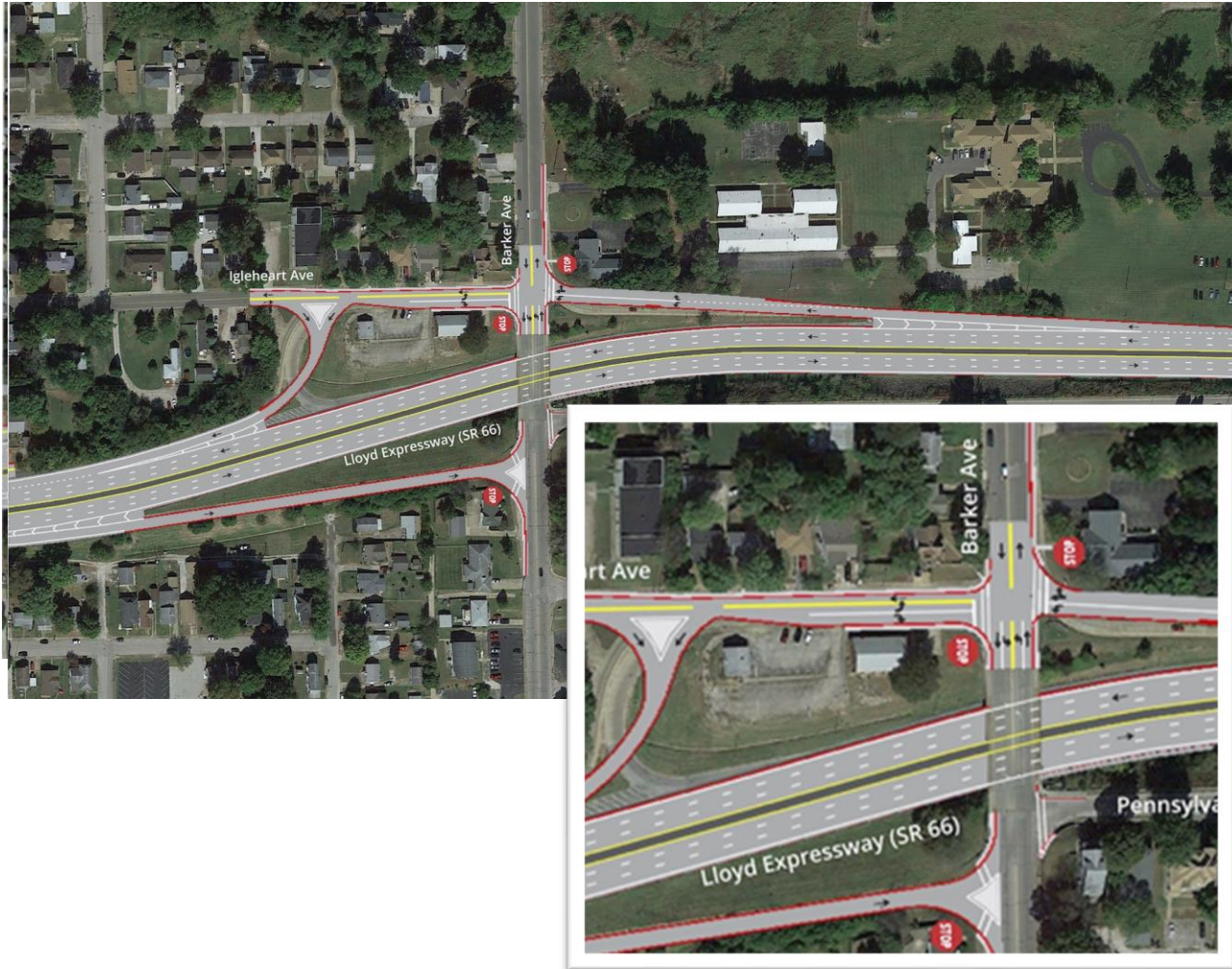
Minor Intersection Improvement

- Improve signal timing and coordination with Wabash Avenue
- Reconfigure St. Joseph southbound approach to extend left turn lanes and add right turn lane
- Lengthen Lloyd left turn lane

Considerations

- Significant amount of truck traffic
- Southbound to eastbound is the main turning movement
- Maintain dual lane through movement

BARKER AVENUE/IGLEHEART AVENUE



Intersection Modification

- Close South Barker westbound exit loop ramp
- Add South Barker traffic to North Barker exit ramp
- Realign westbound entrance ramp
- Upgrade eastbound Barker exit ramp

Considerations

- Reconfigure ramps to improve safety

CORBIERRE AVENUE



Intersection Modification

- Relocate westbound Tekoppel Avenue exit
- Reconstruct Corbierre from Tekoppel to east of Addison

Considerations

- Increase ramp spacing
- Improve space for changing lanes

ROSENBERGER AVENUE



Minor Intersection Improvement

- Extend turn lanes, pavement upgrades
- Restrict right turns on red with signal modifications

Considerations

- High number of westbound rear-end crashes
- Improve westbound sight distance by flattening roadway

RED BANK ROAD



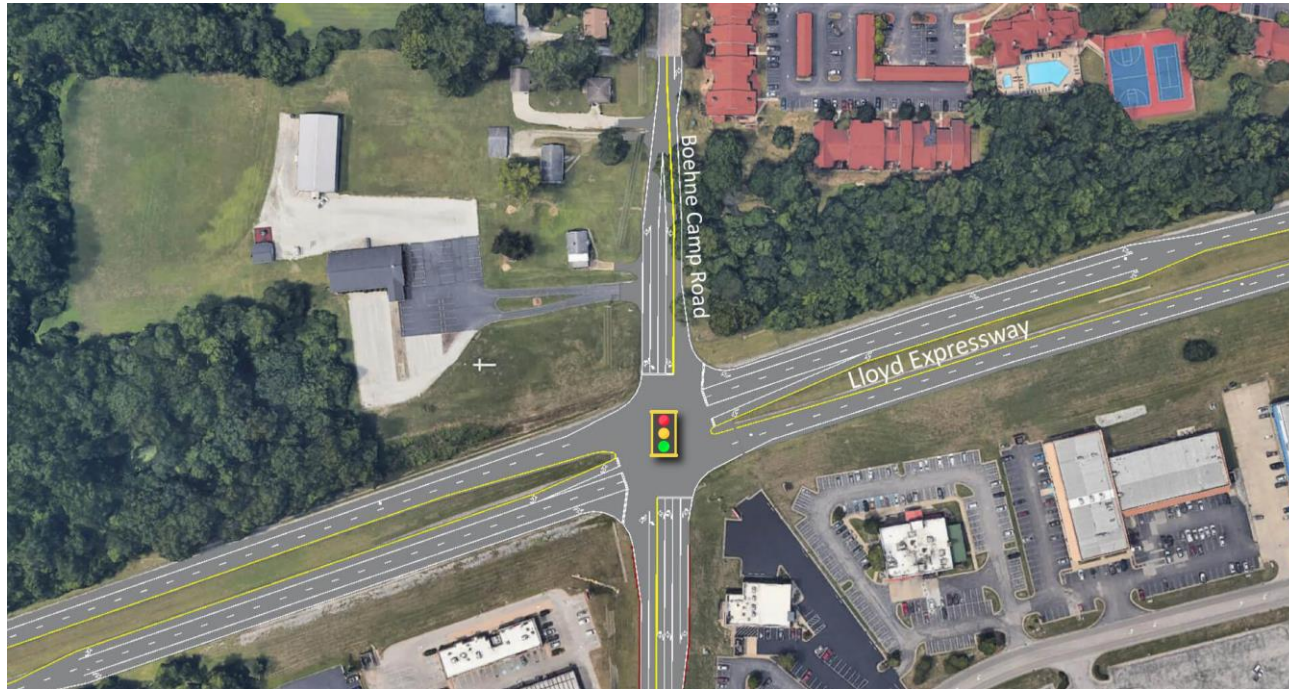
Major Intersection Improvement

- Dual displaced left turns

Considerations

- Heavy commercial corridor
- Maintain same lane configurations for northbound/southbound Red Bank Road
- Highest volume of left turn movements

BOEHNE CAMP ROAD



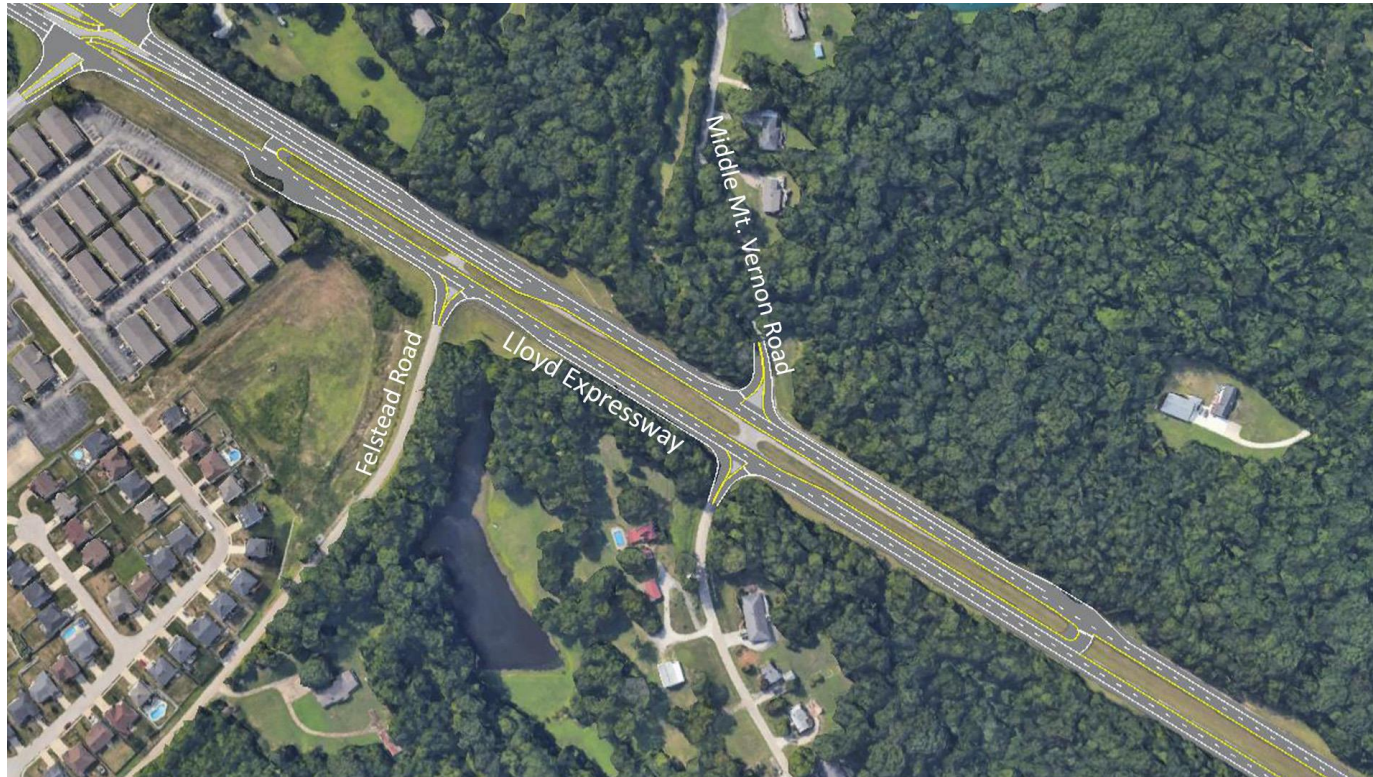
Minor Intersection Improvement

- Add turning movements
- Add northbound left turn lane
- Add southbound left and right turns

Considerations

- Heavy commercial corridor

MIDDLE MT. VERNON & FELSTEAD ROADS



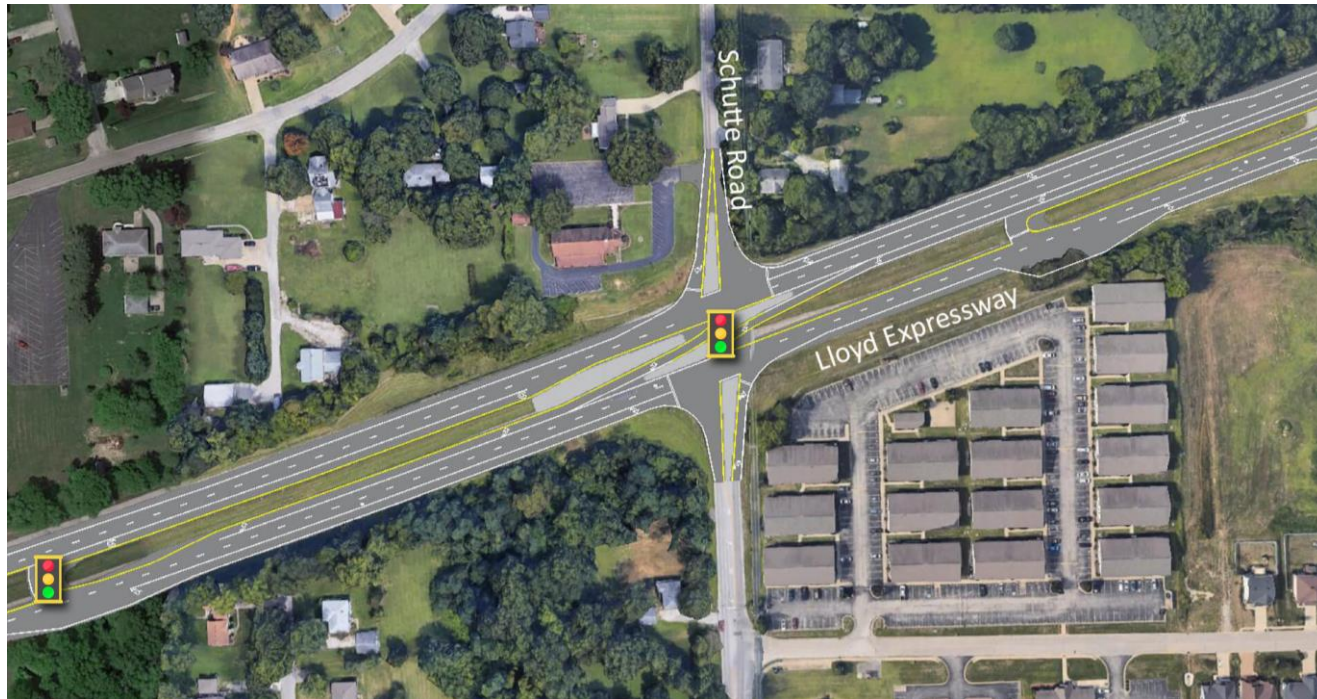
Reduced Conflict Intersection

- Right in/right out only on north/southbound Middle Mt. Vernon and Felstead roads
- Utilize median U-turns for other movements

Considerations

- Complement changes at Schutte Road

SCHUTTE ROAD



Restricted Crossing U-Turn

- Signalized left turns for Lloyd traffic
- Right in/right out only on north/southbound Schutte Road

Considerations

- Residential development to the north and apartments and access to USI to the south

MCDOWELL ROAD



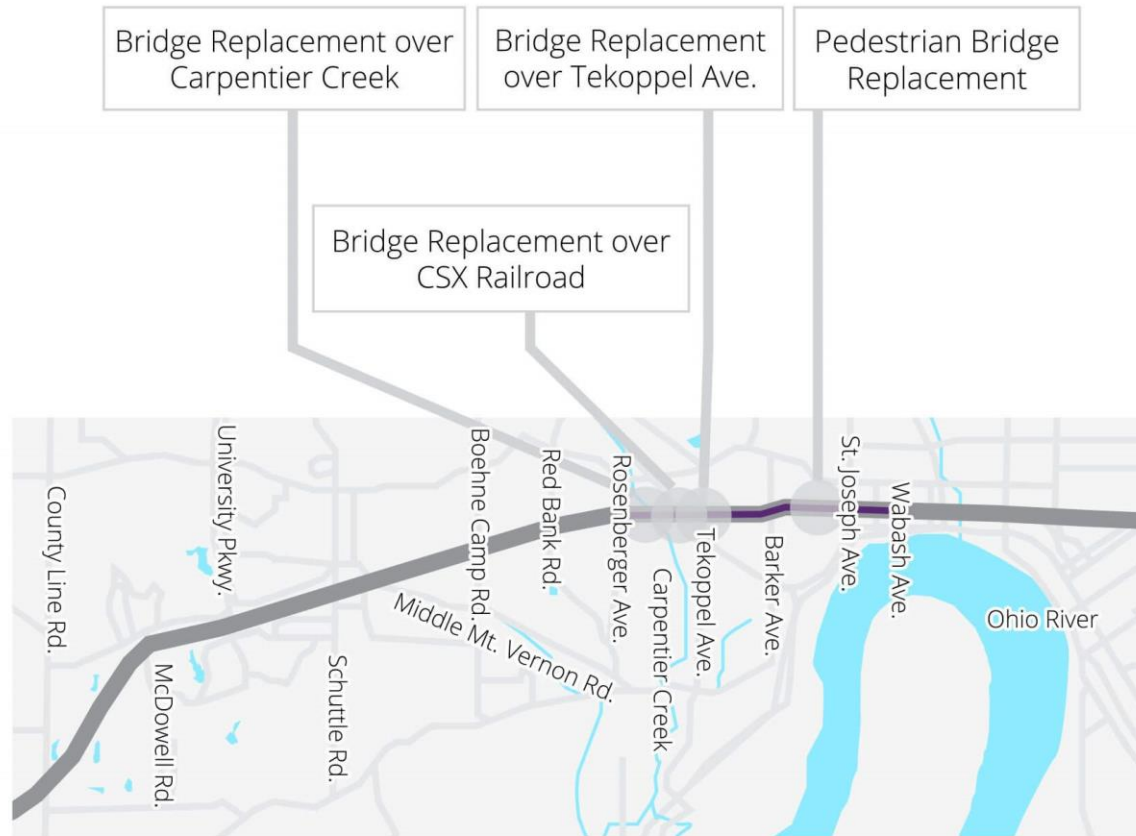
Reduced Conflict Intersection

- Right in/right out only on north/southbound McDowell Road

Considerations

- Intersection on curve
- Sight distance is limited
- Safety improvement needed

BRIDGE REPLACEMENTS



Bridge replacements

- Tekoppel Road
- CSX Railroad
- Carpentier Creek
- Pedestrian Bridge near St. Joseph Avenue

● Bridge Replacement

MAINTENANCE OF TRAFFIC

- Four Phases
 - Phase 1 - EB outside shoulder strengthened
 - Phase 2 - move traffic to EB side, construct WB side
 - Phase 3 - move traffic to WB side, construct EB side
 - Phase 4 - return traffic to normal lanes and work on median
- At least one lane of traffic open in each direction; in some places two will remain open



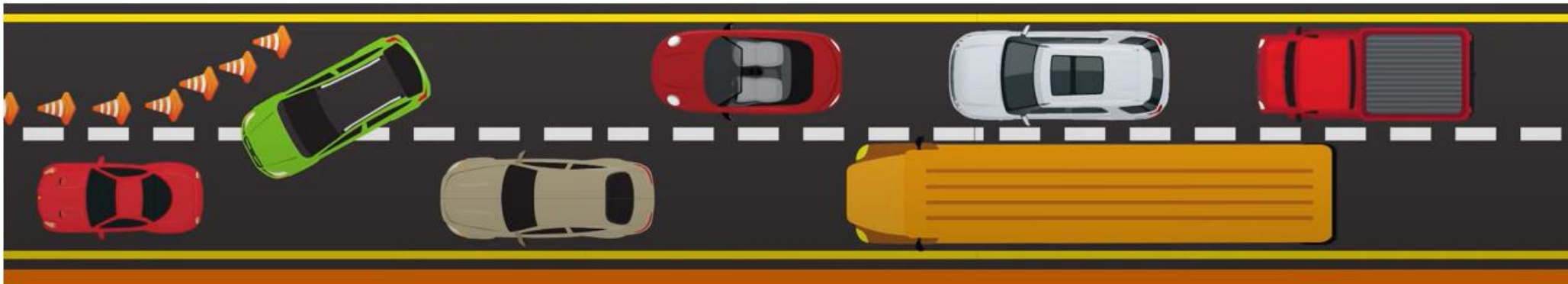
MAINTENANCE OF TRAFFIC

- Construction updates will be shared with the public via:
 - Text alerts
 - Email alerts
 - Social media
 - TheLloyd4U.com
- Cameras will be installed along project to monitor congestion and adjust signal timing



ZIPPER MERGE

- A zipper merge occurs when drivers take turns merging when a lane is ending.
- Vehicles fill **both** lanes then take turns as the lane reduces.
- You are **not cutting** the line.
- Zipper merges shorten traffic backups and reduce traffic backing up and blocking intersections.



NATIONAL ENVIRONMENTAL POLICY ACT (1969)

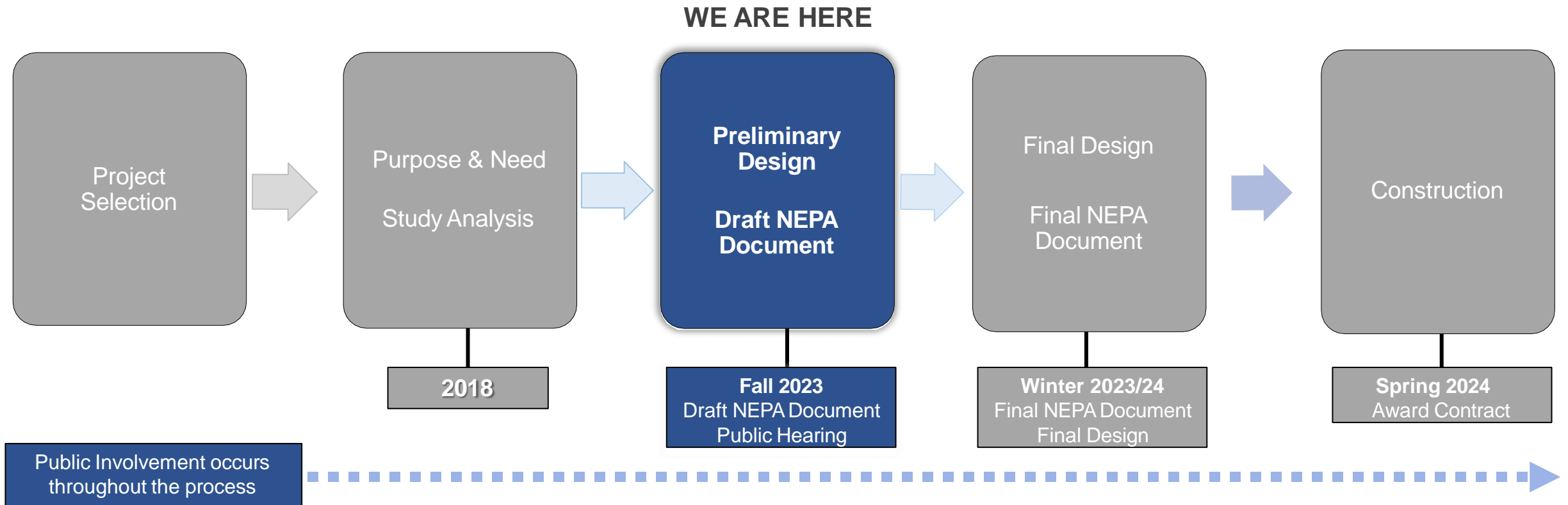
Federal Process

- Requires that **federal agencies** consider the effects of their actions on surrounding natural, cultural and social environments
- Requires **public** be provided the opportunity to be involved and comment
- Requires impacts be described in an **environmental document**



PROJECT DEVELOPMENT PROCESS

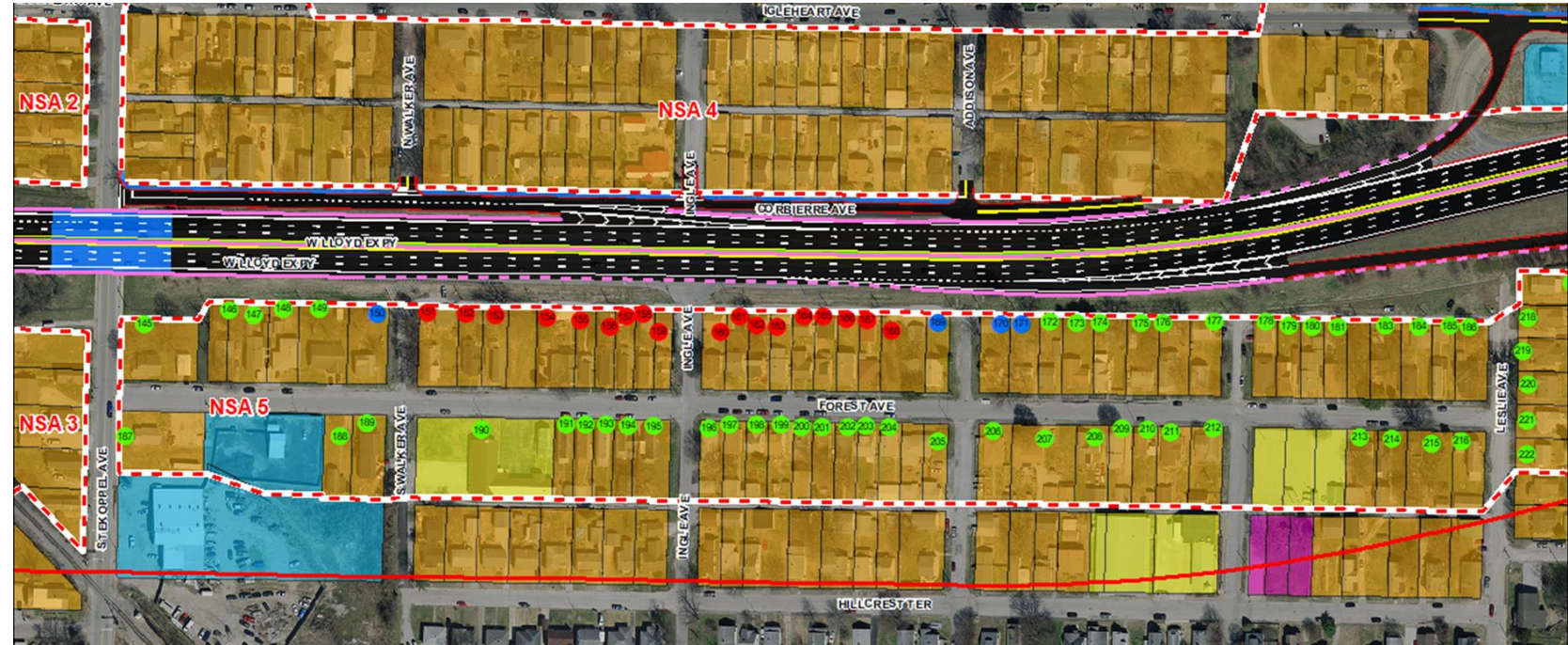
Environmental Documents – Categorical Exclusion Level 4 (CE-4)



IMPACTS

Type	Impact
Relocations	0
Perm. Right-of-Way/Temp. Right-of-Way	1.17 acres / .76 acres
Traffic Pattern	Lemcke Ave., 12th Ave., Pennsylvania St., Ingle Ave., Corbierre Ave.
Water/Wetlands	.09 wetland acres
Terrestrial Habitat Disruption	47.9 acres
Cultural Resources (Section 106)	No Adverse Effect
Threatened and Endangered Species	Tree Clearing Not Likely to Adversely Affect
Environmental Justice	No Disproportionately Adverse Impacts
Noise	Noise Abatement Likely at Forest Avenue

NOISE STUDY



- Noise Analysis identified portion of Forest Avenue would benefit from a noise barrier
- Residents were surveyed and indicated their desire to move forward with plans for a noise barrier



ROAD CLOSURES

- Various drives and alley between Wabash and St. Joseph
- N. 12th Avenue
- N. Lemcke Avenue
- Pennsylvania Street
- Corbierre Access reconfigured
- North and South Ingle closed at the Lloyd
- Southwestern access between Red Bank and Rosenberger





NEXT STEPS

TIMELINE

Construction from Posey County Line Road
to Ingle Avenue

2024

2025

2026

2027

Construction from Ingle Avenue
to Wabash Avenue

PUBLIC COMMENT PERIOD

Comments accepted through
October 11, 2023

- Email: Nicole.Minton@lochgroup.com
- Mail: Nicole Minton, Lochmueller Group, 6200 Vogel Road, Evansville, IN 47715



An aerial photograph of a large, multi-story building under construction, featuring a prominent zig-zag or stepped architectural design. The building is surrounded by other industrial or commercial structures, parking lots filled with cars, and a body of water in the background. The entire image is overlaid with a semi-transparent blue filter. A bright green horizontal banner is positioned across the middle of the image, containing the text 'FOLLOW OUR PROGRESS' in white, bold, uppercase letters.

FOLLOW OUR PROGRESS

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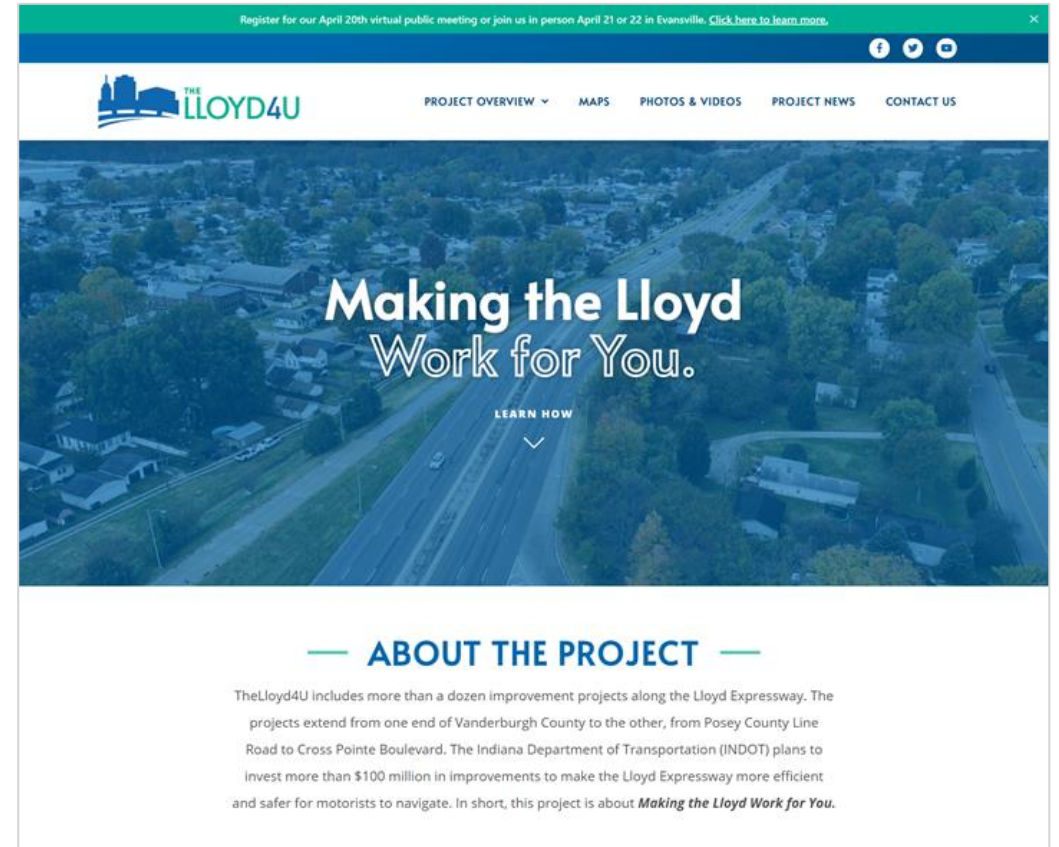
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QUESTIONS AND COMMENTS



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Thank you!

