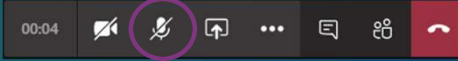


Welcome
Please mute your microphone, we will open up the meeting for questions at the end.



If you have dialed in on a telephone for audio, use *6 to mute and unmute yourself.

This meeting will begin soon and is being recorded.

1

I-94
REBUILDING IN
BERRIEN COUNTY:
2023-2024



2

Title VI of the Civil Rights Act

Title VI of the Civil Rights Act of 1964 requires MDOT to provide the opportunity for everyone to comment on transportation programs and activities that may affect their community.

Please take this three-question survey in the chat.

You can help MDOT comply with Title VI and related statutes, which require the collection of statistical data to aid in assessing MDOT's outreach efforts among those who are affected or interested in this project.

3

Rebuilding Michigan Project

I-94 from Puetz Road to Britain Avenue

- Rebuilding Michigan projects are part of the Rebuilding Michigan bond program focused on state highways and bridges that are critical to our economy and carry the most traffic.
- Rebuilding Michigan corridors will be designed and built as a single project.

For more information, visit www.Michigan.gov/MDOT5YearPlan or contact MDOT Public Involvement Officer Monica Monsma at MonsmaM@Michigan.gov.



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Project Location/Limits

Empire Avenue

E Napier Avenue

Pipestone Road



5


Detailed description: This slide features an aerial photograph of a road project area. A thick pink line highlights the project's path, which runs diagonally from the top right towards the bottom left. Three white arrows point to specific locations: 'Empire Avenue' at the top right, 'E Napier Avenue' in the middle, and 'Pipestone Road' at the bottom left. Other roads visible on the map include S. Greenway Ave, S. E. Clark Ave, U.S. Highway 31, Groves Ave, and Main Dr. The MDOT logo and the number '5' are located in the bottom right corner of the slide.

5

Project Location/Limits

M-139

M-63 (Niles Avenue)

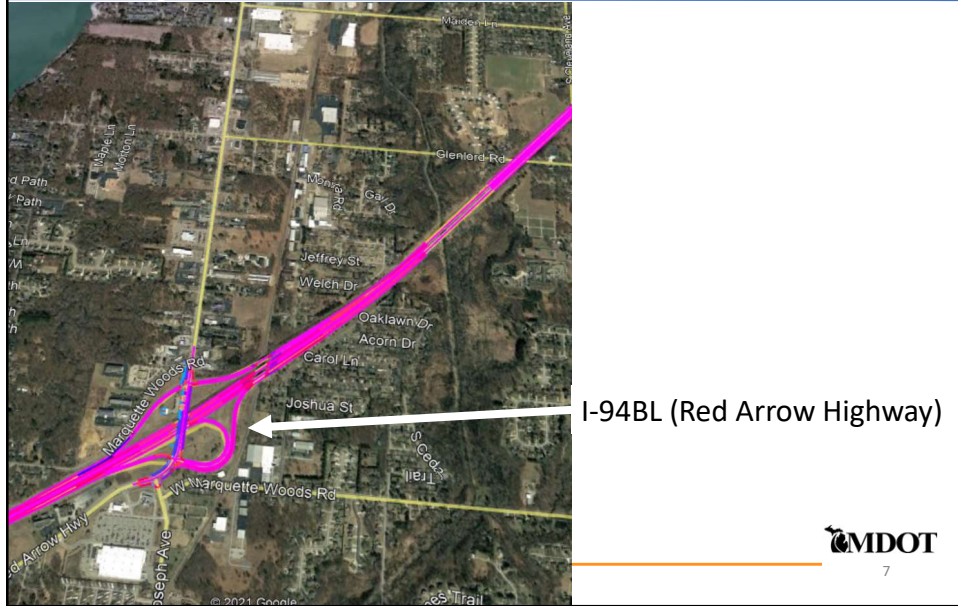


6

Detailed description: This slide features an aerial photograph of a road project area. A thick pink line highlights the project's path, which runs diagonally from the top right towards the bottom left. Two white arrows point to specific locations: 'M-139' at the top right and 'M-63 (Niles Avenue)' at the bottom left. Other roads visible on the map include Ferguson Dr, Zovier Dr, Dozer Dr, River Run Dr, Swan River Dr, Diller Rd, and Steelcase Rd. The MDOT logo and the number '6' are located in the bottom right corner of the slide.

6

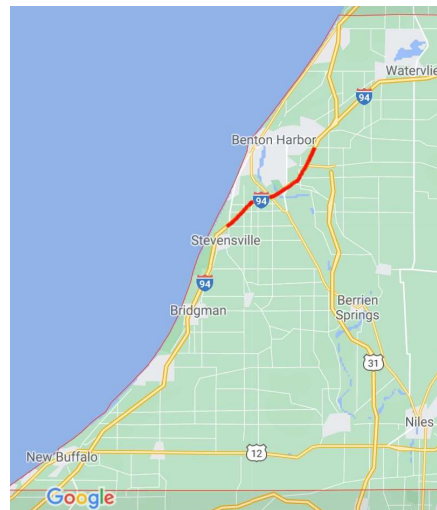
Project Location/Limits



7

I-94 Corridor

- Six-lane interstate
- 51,000 - 63,000 vehicles per day
- 11 miles long
- 11 bridges
- \$153,742,077
- Rebuilding occurs 2023-2024
- Maintenance work in 2022



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Project Improvements - Road

Mainline – Puetz Rd – Britain Ave

Full asphalt pavement rebuilding and rehabilitation
 Drainage improvements
 Sign replacement
 Guardrail replacement
 EB I-94 auxiliary lane from Pipestone Rd to Napier Ave

Interchange Ramps

Full asphalt pavement rebuilding: Pipestone Rd, M-63 (Niles Ave), I-94BL (Red Arrow Hwy)
 Asphalt resurfacing: M-139, Napier Rd

Carpool Lots

M-139: Concrete pavement repairs
 Red Arrow Hwy: Asphalt resurfacing & expansion



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Project Improvements - Bridges

Replacements:

- EB I-94 over Pipestone Road
- WB I-94 over Pipestone Road
- EB I-94 over I-94BL (Red Arrow Hwy)
- WB I-94 over I-94BL (Red Arrow Hwy)

Rehabilitation:

- EB I-94 over Lincoln Avenue
- WB I-94 over Lincoln Avenue
- EB I-94 over St Joseph River
- WB I-94 over St Joseph River
- EB I-94 over CSX Railroad
- WB I-94 over CSX Railroad
- Washington Avenue over I-94



Culvert replacement: I-94 over Yore-Stauffer Drain



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Project Improvements at Pipestone Rd

- Rebuild all interchange ramps
- Replace I-94 bridges over Pipestone Road
- Replace Yore-Stoeffler Drain culvert
- Rebuild Pipestone Road under I-94
- Build sidewalks along Pipestone Road under I-94
- Add continuous auxiliary lane on EB I-94 from Pipestone Rd to Napier Rd



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Project Improvements at I-94BL (Red Arrow Hwy)

- Rebuild all interchange ramps
- Rebuild mainline I-94
- Add splitter island at EB on ramp to separate NB Red Arrow traffic from right turn traffic
- Move EB I-94 off ramp closer to the bridge to improve sight distance
- Build sidewalks along Red Arrow Hwy from W Marquette Woods Rd to St Joseph Ave
- Enlarge Park & Ride lot



12

Noise Analysis – Common Noise Environments



MDOT

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Noise Analysis – Study Area



MDOT

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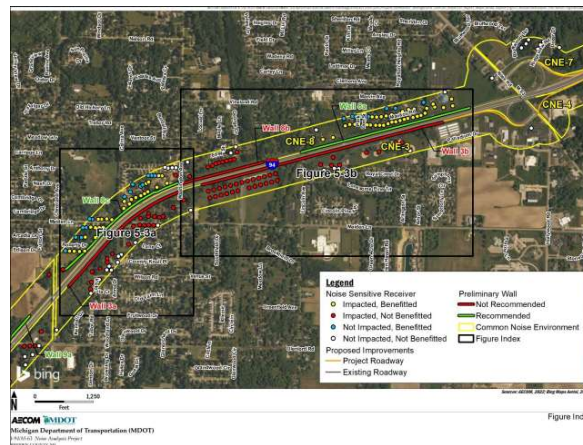
Noise Analysis – Study Area



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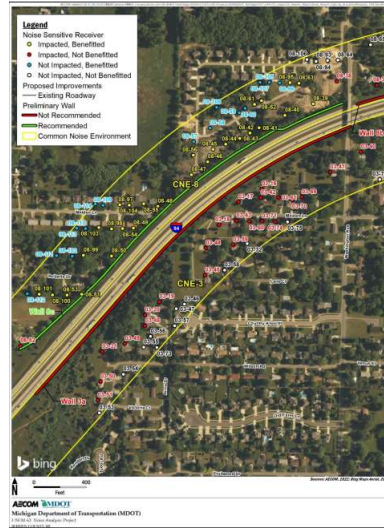
Noise Analysis – Study Area



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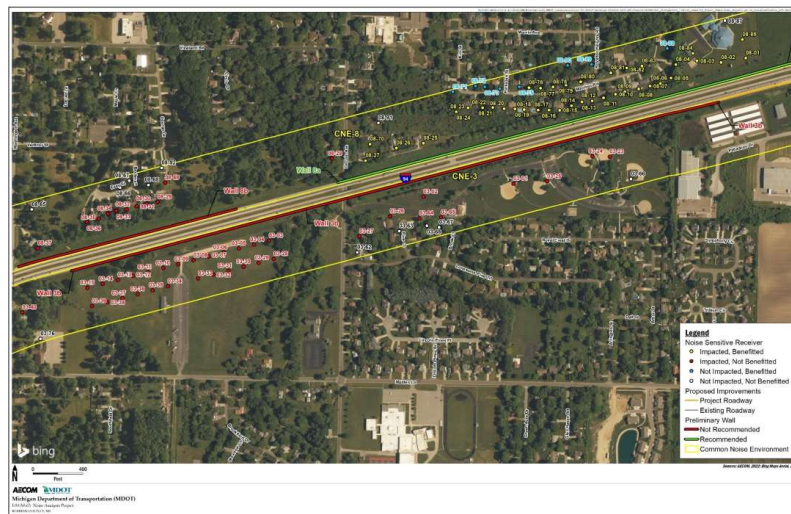
Noise Analysis – Study Area



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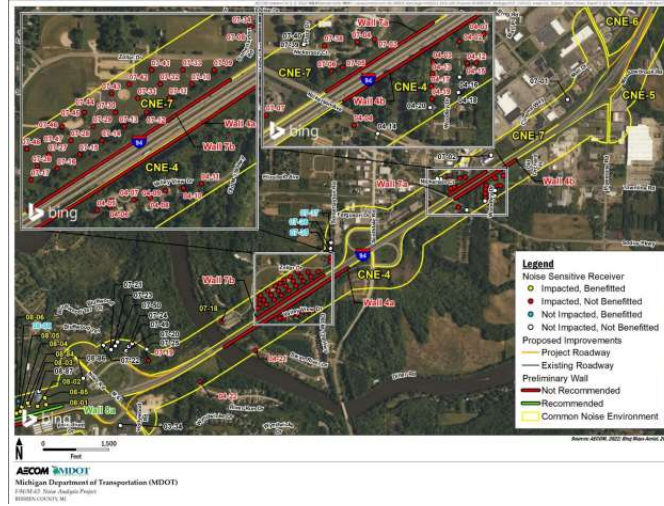
Noise Analysis – Study Area



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Noise Analysis – Study Area



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Noise Analysis – Study Area



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Noise Analysis – Barrier Criteria

MDOT's Noise Abatement Program includes noise walls, local vehicle noise enforcement, and land-use information to help manage future quality-of-life.

- Noise barriers are only considered after noise impacts are identified.
- Noise barriers must meet reasonability and feasibility criteria.
- Owners and residents in areas that meet reasonability and feasibility criteria are called benefiting receptors.



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Noise Analysis – Reasonable and Feasible Locations

- Noise barriers must meet feasibility and reasonableness criteria:
 - Feasibility:
 - *Noise reduction of 5 dB(A) achieved by at least 75 percent of impacted receptors.*
 - *Noise barrier constructability and driver safety.*
 - Reasonableness:
 - *Achieves 7 dB(A) for at least 50 percent of benefiting receptor and a 10 dB(A) reduction for one benefitted receptor.*
 - *Cost effectiveness of less than \$49,907 per benefiting receptor.*



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Noise Analysis – Benefitting Receptors

MDOT will contact benefitting receptors and seek their viewpoint on the proposed noise barriers by providing a voting process.

For a noise barrier to be recommended to be built, at least 50 percent of the viewpoints/survey responses must be in favor of the barrier.

Only benefitting receptors can vote on whether a noise barrier will be considered.

More information: [MDOT - Noise Abatement \(Michigan.gov\)](#)



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Noise Analysis – Areas that Meet Criteria

CNE (walls analyzed)	Description/Location	2022 Impacts	2042 Impacts	Noise Abatement Recommendation
CNE-1 (1 wall)	Residential, commercial South of I-94, Puetz Rd. to St. Joseph Ave.	12	13	None
CNE-2 (1 wall)	Residential, cemetery, commercial, vacant land South of I-94, St. Joseph Ave. to Cleveland Ave.	34	39	Wall 2 recommended
CNE-3 (2 walls)	Residential South of I-94, Cleveland Ave. to M-63	53	60	None
CNE-4 (2 walls)	Residential, commercial, vacant land South of I-94, M-63 to Pipestone Rd.	17	19	None
CNE-5 (1 wall)	Residential, Municipal, vacant land South of I-94, Pipestone Rd. to Britain Ave.	11	12	None
CNE-6 (1 wall)	Residential, commercial, vacant land North of I-94, Britain Ave to Pipestone Rd.	29	32	Wall 6 recommended
CNE-7 (2 walls)	Residential, Commercial, hotel, park/recreational North of I-94, Pipestone Rd. To M-63	31	35	None
CNE-8 (3 walls)	Residential, church, vacant land North of I-94, M-63 to Cleveland Ave.	84	90	Wall 8a recommended Wall 8c recommended
CNE-9 (3 walls)	Residential, retirement home, commercial, vacant land North of I-94, Cleveland Ave. to Red Arrow Hwy	44	48	Wall 9a recommended
CNE-10 (2 walls)	Residential, commercial North of I-94, Red Arrow Hwy to Puetz Rd.	15	16	None



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Outreach

June 8, 2022 from 5-7 p.m.
Virtual Meeting via TEAMS

Project Website:

[I-94 Rebuilding Project - Berrien County \(michigan.gov\)](https://www.michigan.gov/berrien-county-rebuilding-i-94)

Comments and Questions:

[MDOT invites public comment on noise report for I-94 rebuilding project in Berrien County \(Edit\) Microsoft Forms \(office.com\)](#)

Check website for updates, presentation slides, future meeting links, dates and times, and other additional information.



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QUESTIONS???

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