



I90 YELLOWSTONE RIVER PROJECT BILLINGS

Welcome

The Montana Department of Transportation is sharing project information with the public and gathering your comments about the

I90 Yellowstone River Project, Billings

Thank you for joining us!



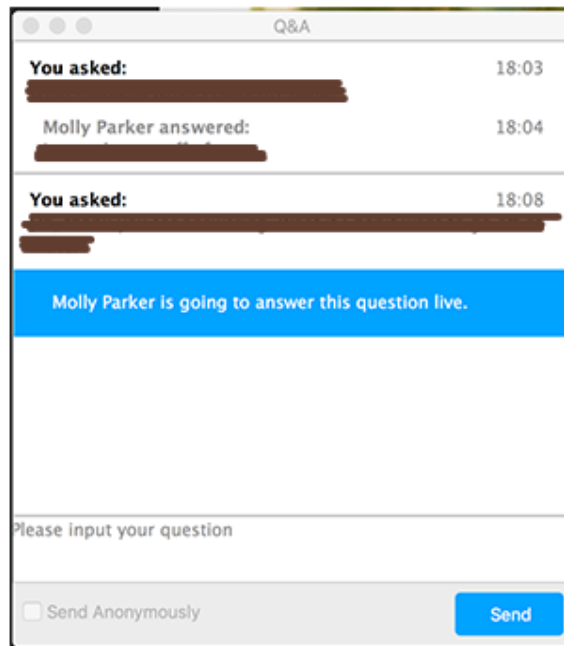
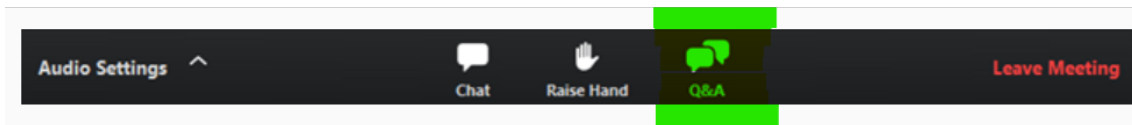
VISION ZERO

zero deaths - zero serious injuries

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How to Use Zoom's Question/Answer

- Communicate with the project team using the Q/A button
- Generally, we will respond to your question live
- Write your question at any time and we will respond at the end of the presentation



Project Team



- **Rod Nelson**, MDT District Administrator, Billings District
- **Mike Taylor**, MDT District Preconstruction Engineer
- **Mark Studt**, MDT Consultant Project Engineer
- **Dustin Hirose**, HDR, Project Manager
- **Tessa Wermers**, Sanderson Stewart, Roadway Design Lead
- **Jon Schick**, HDR, Environmental Lead
- **Lisa L Gray**, HDR, Public Involvement



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Project Purpose

- Improve traffic operations, safety, and future capacity needs for the roadway and bridges by:
 - Increasing mainline interstate traffic capacity throughout the I90 corridor by providing two through lanes and an auxiliary (or extra) lane in each direction on the roadway
 - Addressing capacity needs and interchange ramp operations
 - Update the roadway and bridges to current design standards





Project Location

- I90 in Billings beginning on the east side of the North 27th St. Interchange and continuing east 2.6 miles to the west side of the Lockwood Interchange
- MP 450.09 to MP 452.73 for 2.64 miles of construction



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Project History

- Recommendations from the 2012 I90 Corridor Planning Study Final Report
- The existing roadway and bridges were originally constructed in the 1960's
- The roadway was last paved in 2000
- Design began in 2015



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Project Description

- Widen and reconstruct I90 in Billings between the North 27th St. and the Lockwood Interchanges from two lanes to three
- Remove and replace the bridges over the Yellowstone River and Talen Energy railroad spur line
- Improvements designed to meet safety, traffic operations, and future capacity needs
- Estimated project cost is about \$60M

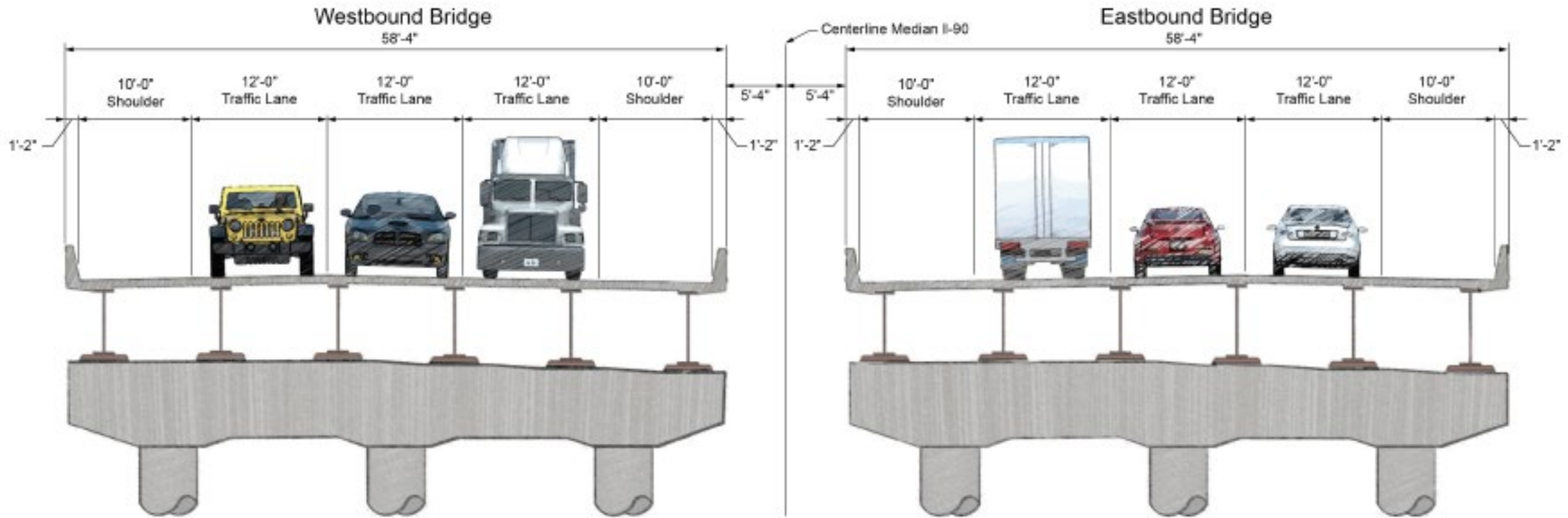


Yellowstone Bridge

- New 1000-ft long bridges will provide 3-lanes of travel in each direction
- Piers located to minimize impacts to the river
- The Jim Dutcher Trail will be perpetuated on the west riverbank
- Accelerated Bridge Construction (ABC) methods - Use of precast deck panels will reduce construction time



Bridge Details



I-90 Yellowstone River Bridge Proposed Condition

Talen Energy Rail Spur Structure

- Existing bridge replaced with a buried arch structure
- New structure spans 56-ft over the rail spur
- Compared to a new bridge, the arch structure allowed for correcting the roadway superelevation without raising the road



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Roadway Details

- Design speed is 70 mph, and the posted speed limit is 65 mph (all vehicles)
- Mainline will be reconstructed and include an addition of an auxiliary (or extra) lane in each direction between the 27th Street and Lockwood Interchanges
- Widening for the extra lanes will occur to the inside of the existing driving lanes towards the median
- A concrete barrier will be built in the roadway median to provide separation between opposing directions of traffic and reduce headlight glare



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Interchange Ramps

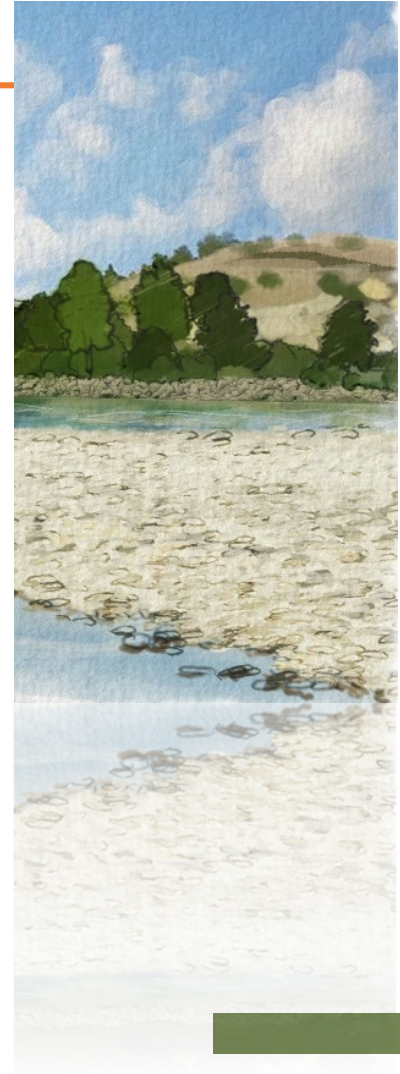
- Interchange on/off ramps will be reconstructed to improve operations
- Dual left hand turn lanes will be provided at the Lockwood eastbound off ramp to better accommodate traffic demands
- A second lane will be added at the 27th Street Interchange westbound off-ramp to accommodate traffic demands





Environmental Considerations

- Categorical Exclusion environmental document approved in March 2019
- Yellowstone River considerations
- Coulson Park – Temporary use during construction (Section 4(f)/6(f))
- Noise study



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Project Schedule and Next Steps

- Construction scheduled to begin fall 2021
- The project will be phased, and tentative completion is 2024
- During construction, two-lane, two-way traffic will be maintained
- During winter shut down, the interstate will reopen to four lanes
- Options for oversized loads are being evaluated
- Emergency detour route is planned in the event of an emergency closure of I90



How to contact us and stay involved

Stay in touch with us:

www.mdt.mt.gov/pubinvolve/i90yellowstone

or Lisa Gray, HDR at lisa.gray@hdrinc.com



To check out MDT Active Projects go to:

<https://www.mdt.mt.gov/publications/map-gallery.shtml>



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