

Project Location

- I-94 from Exit 153 in Mandan to Exit 157 in Bismarck.
- Encompasses the Midway interstate system and Grant Marsh Bridge
- Alternatives will be developed for this area.

Study Area

- Includes the project location and various ramps and segments surrounding the project location.
- Helps us understand how alternatives impact the greater roadway network.



I-94 MIDWAY GRANT MARSH BRIDGE ENGINEERING AND FEASIBILITY STUDY

Project Background

Northern Bridge Corridor Study, 2005 - This study identified a future regional beltway corridor and right-of-way for the selected alternatives.

Interstate and Bismarck Expressway Corridor Study, 2006 - Identified prioritized and constrained projects to reduce congestion.

Mandan Memorial Highway Corridor Study, 2010 -Addressed a variety of issues and recommended future roadway reconstruction alternatives.

Bismarck-Mandan I-94 Corridor Study, 2015 -Identified current and future transportation issues along I-94 from ND 25 (in Morton County) on the west to 80th Street NE (in Burleigh County).

Mandan-Bismarck Corridor Improvement Study, **2016** – Transportation study to evaluate the potential improvement of 20 corridors located in the cities of Mandan and Bismarck.

Bismarck-Mandan Regional Freight Study, 2018 - I-94 and I-194 are key regional freight corridors, in addition to BNSF.

Bismarck-Mandan Metropolitan Transportation Plan Arrive 2045, 2020 -Identified prioritized and constrained projects to reduce congestion.





Objectives



Analyze performance of I-94, I-194, and connected roadways and ramps in terms of operations, capacity and need for replacement.



To develop reasonable alternatives and a clear, comprehensive plan to move the project through scoping and into NEPA and design.





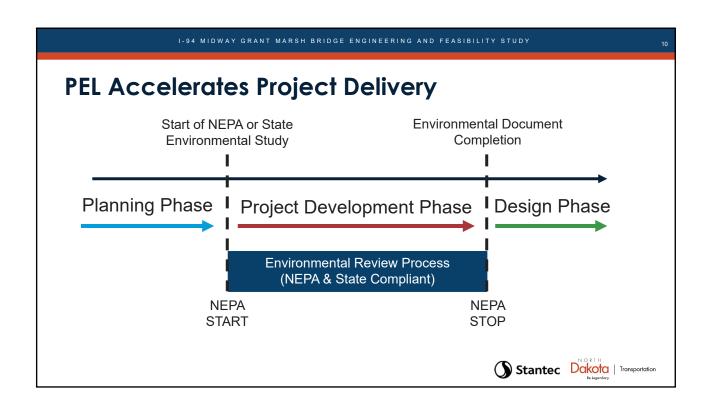


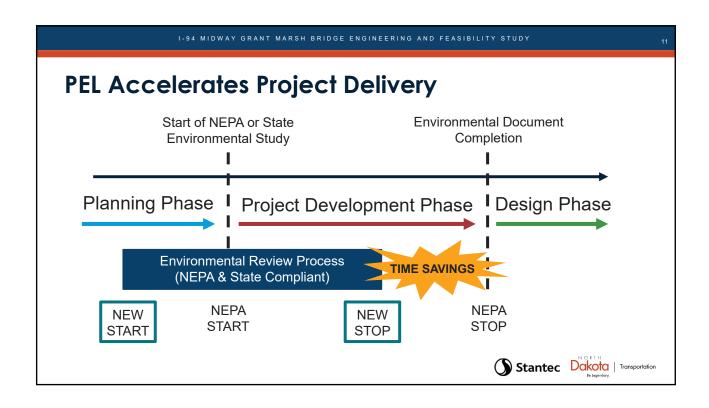


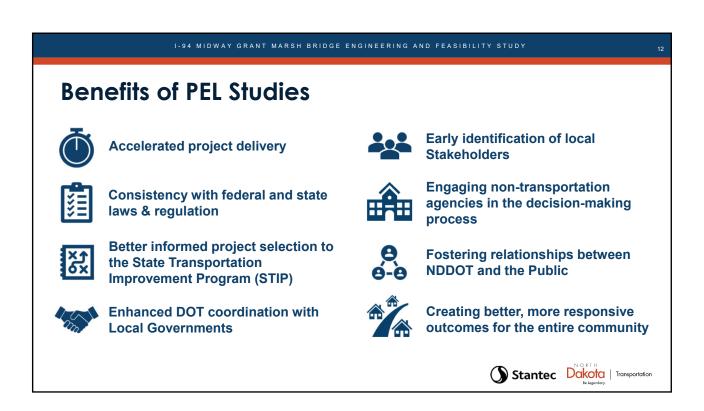
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I-94 Feasibility Study is using a ... "Planning and Environment Linkages" (PEL) approach Planning and Environment Linkages (PEL) Federal Highway Administration recognized process Connects transportation planning and environmental/ community concerns More information at: www.environment.fhwa.dot.gov/env_initiatives/PEL.aspx

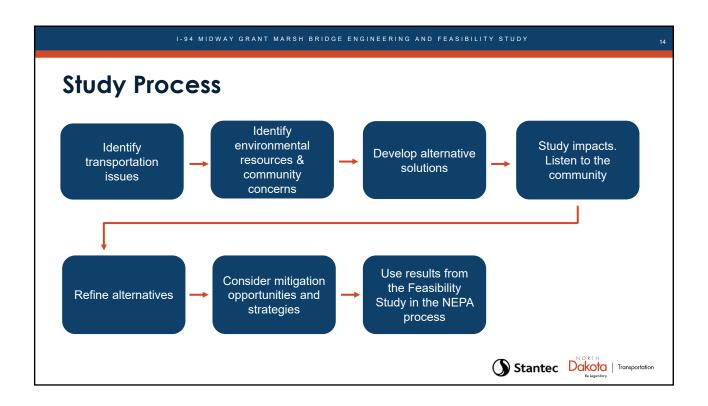
Informational video: https://youtu.be/kc44jvF8kAg

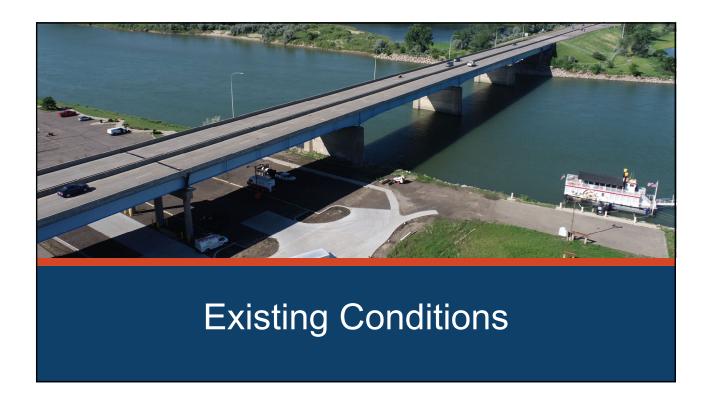


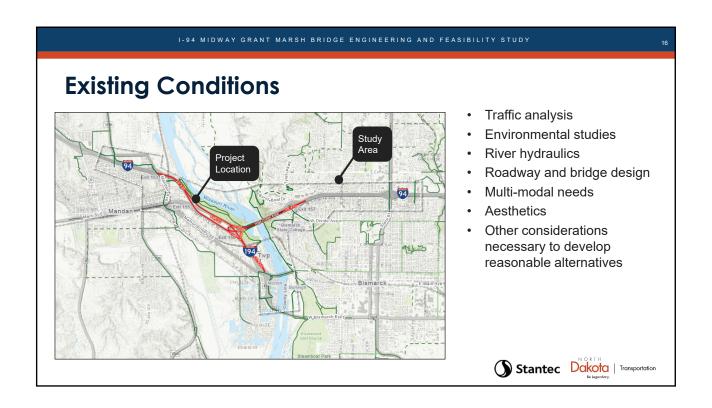








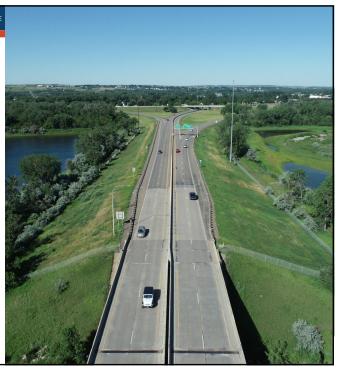




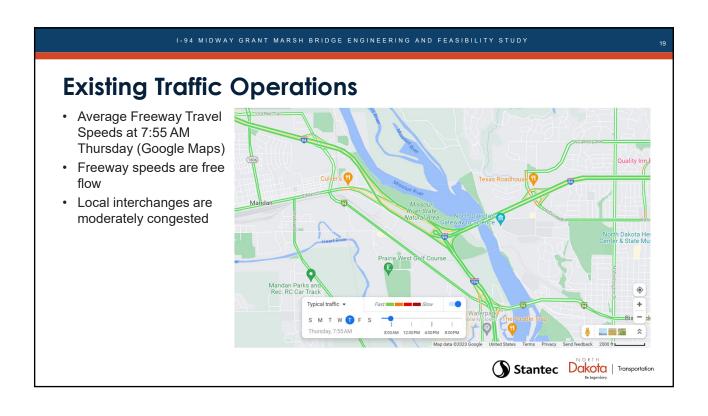
I-94 MIDWAY GRANT MARSH BRIDGE

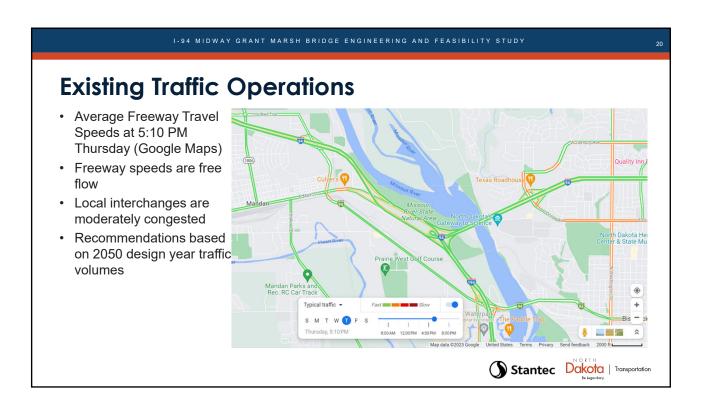
Critical Issues

- Vital regional and local connection on I-94
- Geometric deficiencies
- Structural deficiencies
- Limited resiliency for major incidents on I-94
- Construction Staging
- Pedestrian Facility
- Floodplains
- Slope Stability
- Adjacent Parks
- Context Sensitive Design Considerations
- Navigation Clearance

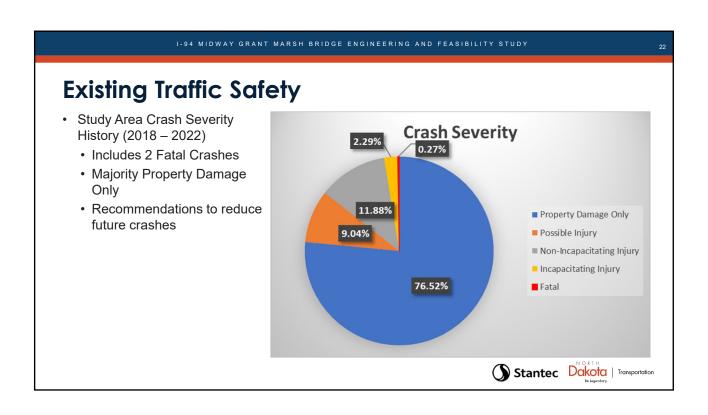








I-94 MIDWAY GRANT MARSH BRIDGE ENGINEERING AND FEASIBILITY STUDY **Existing Traffic Safety** · Study Area Crash Type History: **Crash Type** 741 Crashes (2018 - 2022) · Majority of Rear End crashed ■ Angle • 2nd Highest – Not a Collision with a Motor Vehicle ■ Head On 0.13% 90% • Majority of I-94 crashes 31.31% 2.70% ■ Rear End occurred between I-194 and Tyler Parkway interchanges Sideswipe Same Direction 0.54% 38.06% 13.36% Sideswipe Opp. Direction ■ Not a Collision W/ A motor Vehicle Stantec Dakota | Transportation





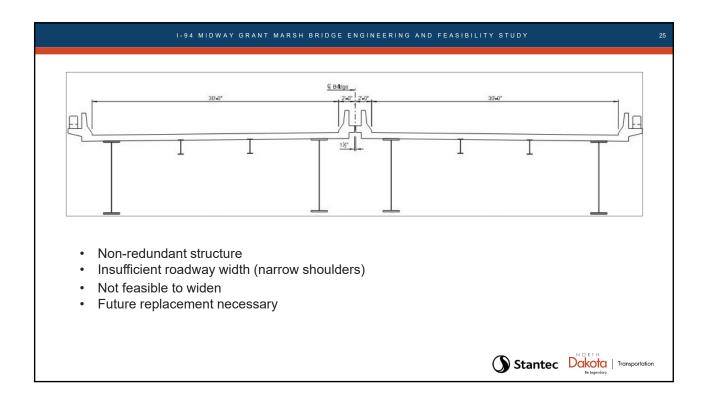
Grant Marsh Bridge

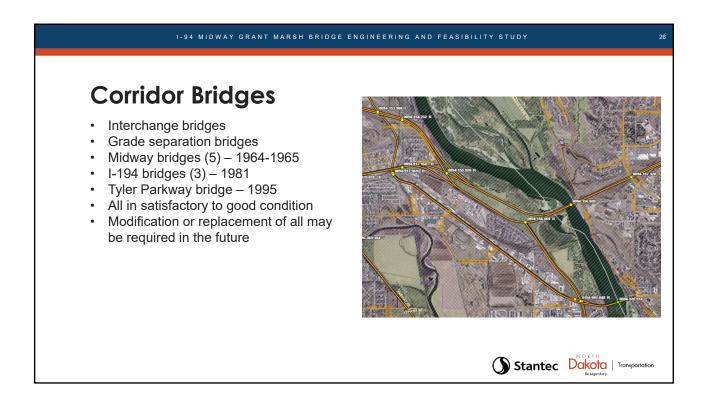
- Built in 1965
- 1125 feet long
- 30-foot wide roadway in each direction
- Repairs and rehabilitation projects
 - · Deck replacements and overlays
 - Steel and concrete repairs
 - Repainted in 1982, 2002, 2015
- Current condition rating is 5 (fair)
- **Upcoming Repair Project**
 - Deck overlay
 - Steel and concrete repairs
 - Spot painting
 - Extend the useful life of the structure



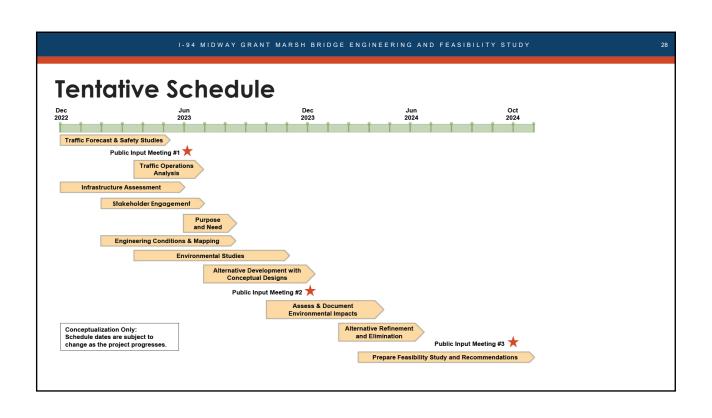












I-94 MIDWAY GRANT MARSH BRIDGE ENGINEERING AND FEASIBILITY STUDY **Next Steps** Develop a Purpose and Collect comments from the public Complete future traffic Need Statement and regarding opportunities and issues operations analysis. assess/document within the study area and how they environmental impacts. use the roadway. Comment period closes on June 20. Develop an array of Create a draft study report Continue engaging with alternatives and conceptual for comment. A final report local, state, and federal designs. Refine and eliminate will be sent to NDDOT agencies; stakeholders; alternatives through technical leadership for final review. and the general public. analysis, and agency, NDDOT leadership will stakeholder, and public input. determine which alternatives

to advance.

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