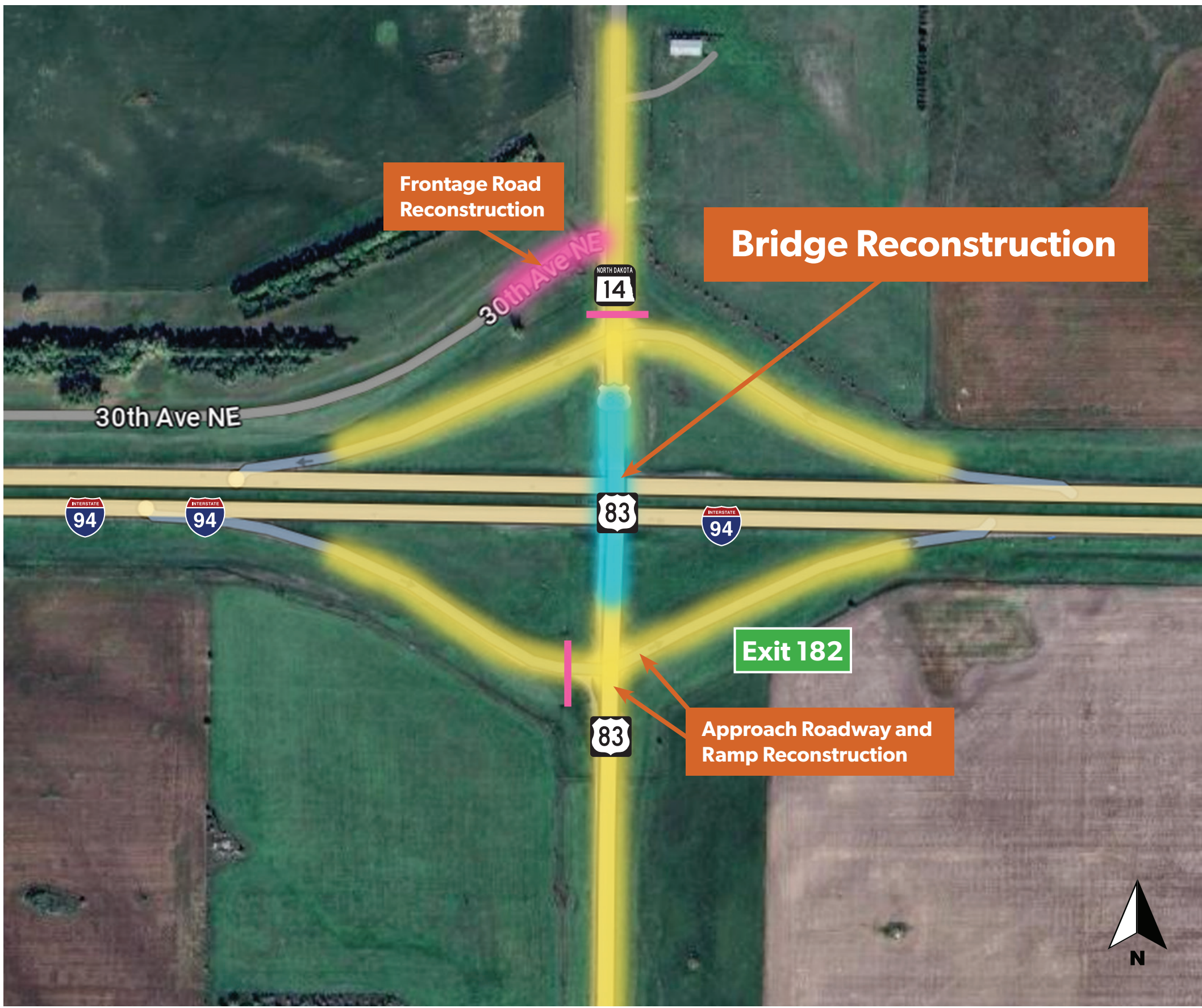


North Dakota Department of Transportation

Project IM-1-094(233)182, PCN 23634 - Sterling, ND



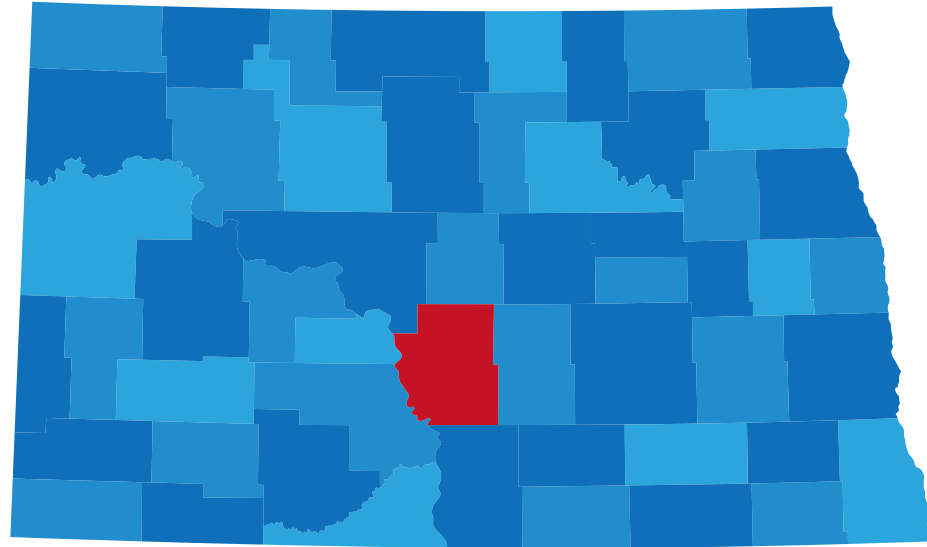
Site Location Map



The map above shows the interchange of US Hwy 83 over I-94 at Exit 182. The blue area shows the approximate limits of the replacement bridge and approaches. The yellow areas are the adjacent intersections that may be affected when the final roadway profile is determined and tie down points are calculated. The pink area shows the approximate location where the frontage road will be reconstructed to accommodate the highway improvements.

Exhibit 1: Project Overview

Sterling Interchange Bridge Reconstruction (I-94 Exit 182)



Burleigh County, ND

Proposed Construction – Sterling Interchange

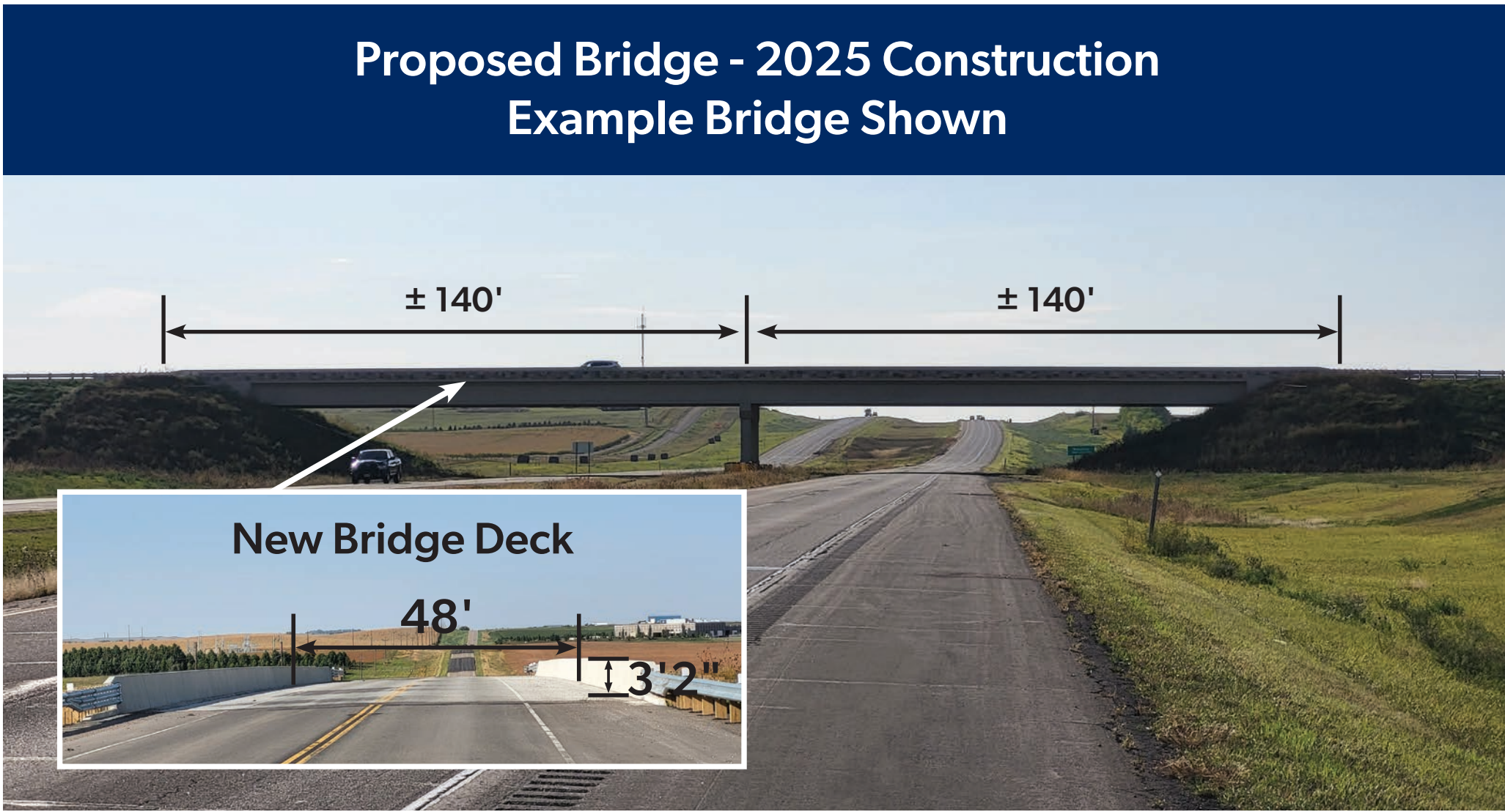
- Close bridge and detour traffic as necessary
- Remove existing bridge and construct new bridge
- Reconstruct portions of US 83, ND 14, interchange ramps, and 30th Ave. NE frontage road
- Replace culvert (north side of Exit 182 and at the southwest exit ramp)
- Reopen bridge to traffic and complete project



Existing Bridge - Constructed in 1966 Structure 0094-182.488

Existing Bridge

- Spans – 4
- Length – 240'
- Width – 30'
- Railing Height – 2'8 1/2"
- Vert. Clearance – 16'2" EB; 16'9" WB
- Bridge components have deteriorated requiring attention



Proposed Bridge - 2025 Construction Example Bridge Shown

Proposed Bridge

- Spans – 2
- Length – 280' ±
- Width – 48'
- Railing Height – 3'2"
- Vert. Clearance – 17'6"
- New bridge will address deficiencies, reduce maintenance needs, and provide improved safety and design features



Deck cracking on roadway surface (photo taken prior to overlay)



Deck cracking with efflorescence



Spalling and cracking on bridge deck and curb sections



Steel corrosion and flaking paint