# **North Dakota Department of Transportation Public Input Meeting - 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





\* Construction schedule subject to change pending available funds.



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



Deck cracking with efflorescence

## **Existing Bridge**

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

### **Proposed Bridge**

- Spans 2
- Length 280' ±
- Width 40'
- Railing Height 3'2"
- Vert. Clearance 16'9"
- New bridge will address deficiencies, reduce maintenance needs, and provide improved safety and design features



Spalling and cracking on bridge deck and curb sections



Steel corrosion and flaking paint



Transportation

