## Presentation to: Little Missouri Scenic River Commission Sept 1, 2020

Presented by

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# NDDOT Project AC-NH-SOIB-7-085(109)125

STRUCTURE REPLACEMENT, WILDLIFE CROSSING STRUCTURE, GRADING, AGGREGATE BASE, HMA, GUARDRAIL & INCIDENTALS

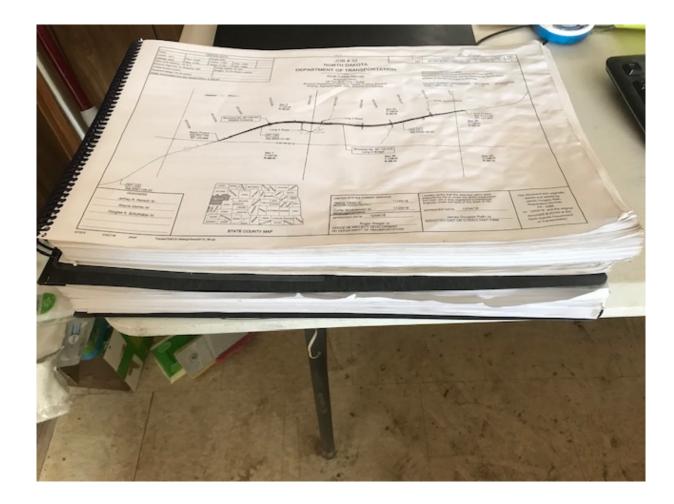
### PROJECT OVERVIEW

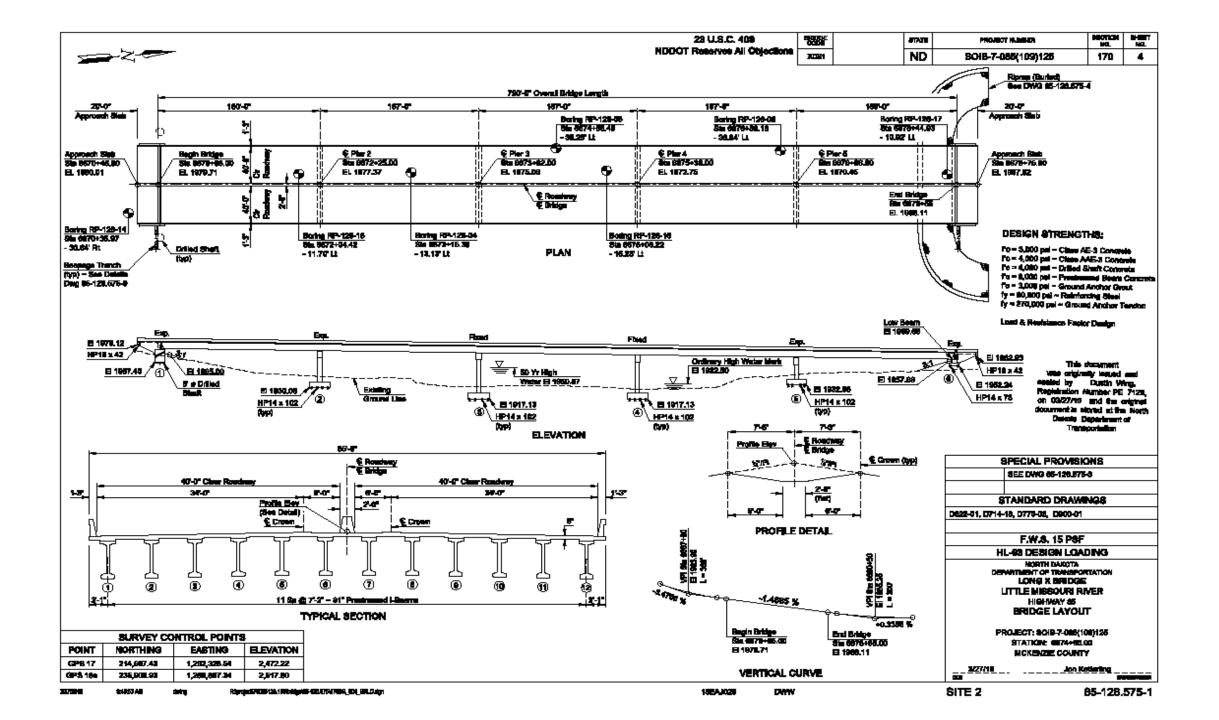
- Location: US 85, Long X Bridge, Between Grassy Butte and Watford City
- NDDOT District: Williston
- Design: NDDOT
- Contract Date: June 10, 2019
- Start Date: July 29, 2019
- Completion Date: July 15, 2021
- Original Contract Amount: \$33,971,510.00
- Contractor: Ames Construction, INC Burnsville, MN
- Construction Inspection team: AECOM

### Sequencing

- Widen roadway, begin construction of Long X Bridge, and construct temporary bypass at wildlife crossing structure
- Place traffic on temporary bypass and construct east portion of wildlife crossing structure. Bridge construction continues.
- Construct roadway over east portion of the wildlife crossing structure and construct west portion of wildlife crossing structure
- Complete construction of long X Bridge and route traffic to east half
- Remove existing bridge, salvaging the south truss.
- Complete roadway and route traffic to newly constructed bridge and roadway

#### Plans and Cross-sections





### **Existing Structure**



### **Environmental Commitments**

- Paleontologist requirements
- Theodore Roosevelt National Park provisions
- Grouse lek surveys and provisions
- SWPPP
- Eagle and Raptor nesting surveys and provisions
- Big horn sheep lambing provisions
- USFS provisions
- Biologist requirements
- Asbestos removal
- Sensitive plant species watch

### Environmental Commitments (2)

- Noxious weed survey
- Equipment hygiene
- Fire prevention provisions
- Erionite disposal
- Visual screening
- Aquatic nuisance provisions
- Cultural resource preservation
- Causeway construction and minimum river opening
- Migratory bird provisions

### Paleontologist Findings



#### Drilled shafts at abutment 1





### Reinforcing steel cage Abutment 1



#### Ground Anchors Abutment 1



### Removing Ground Anchor Casing



### Piling



### Cofferdam Construction



### Reinforcing steel







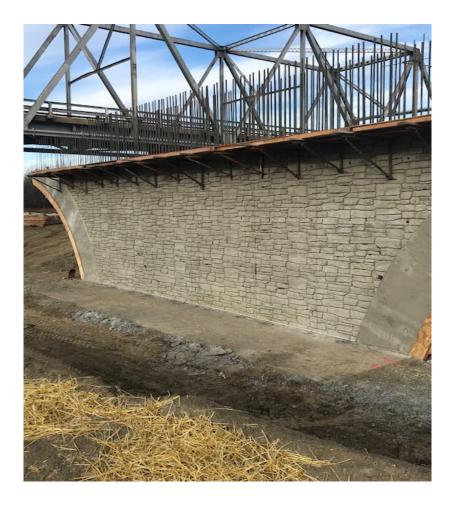
### Placing Concrete



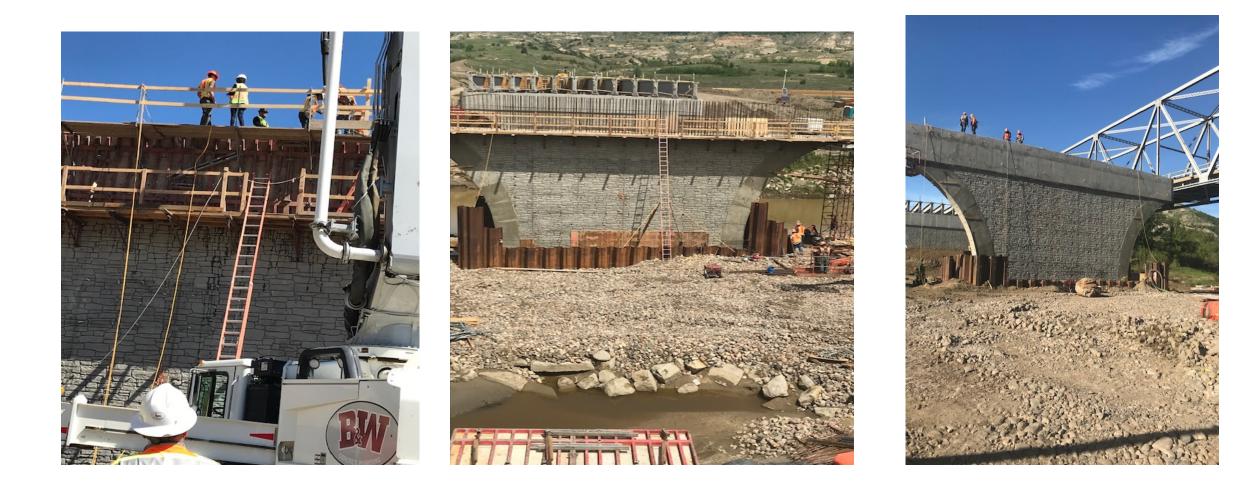


### Pier 5 with Form Liner





#### Substructure Construction Piers 3 and 4



### Architectural Finish





#### Prestressed Concrete | Beams



#### Setting Beams over Little Missouri River



### Erosion control



### Phase 1 Wildlife Crossing







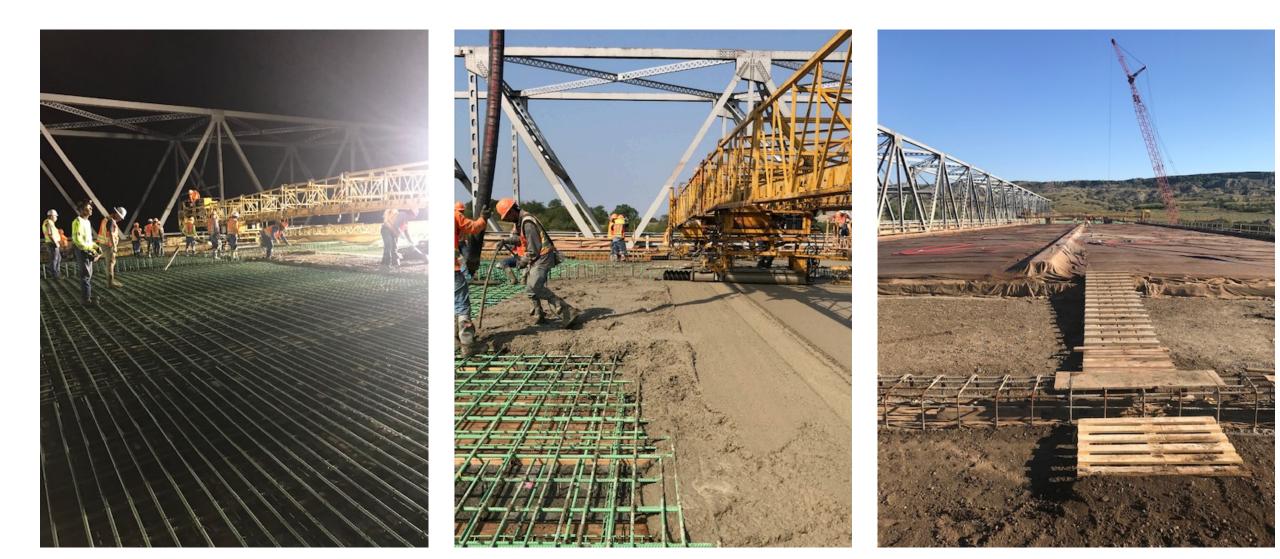
### Phase 2 Wildlife Crossing



### Completed Wildlife Crossing – Looking East



### Deck Placement



### Artist Rendition



### Conclusion

- Project progressing well
- Completion scheduled for July 2021

# •Questions