

Sibley Bridge



Construction Conference
February 29, 2016

A Unique Project for the Valley City District

Traffic Control

- No detour allowed
- No road closure allowed
- The bridge had to be built half at a time with one lane open for traffic at all times.

Permits

- USACE Section 404 Permit – Corps of Engineers
- Sovereign Lands Permit – North Dakota State Water Commission



Congested Project Site

Construction of the Sibley Bridge

Coordination Issues

- The bridge exists on an easement from the Corps of Engineers
- No other easements, temporary or permanent for this project.
 - Confined work area, right of way in the city is 120' and outside the City 150'.
 - West side, in the City of Sibley, Corps of Engineering boat ramp parking lot could not be used.
 - On the east side a restaurant parking lot. All construction and storage etc. had to be on the right of way.

Construction of the Sibley Bridge

Coordination Issues

- Existing Utilities – Telephone in conduit on the bridge, overhead power adjacent to the bridge, and a traffic counter in the driveway to the Corps of Engineering boat landing parking lot.



Overhead utilities created an issue during the construction project



Boat landing parking lot

Construction of the Sibley Bridge

Project

- The project was constructed in 2013
- The project started on February 19, 2013 – It was still winter
- The project was completed on October 25, 2013



*Wintertime
construction on
Sibley Bridge*

Construction of the Sibley Bridge

Environmental

- Silt curtains, sediment collection bag & swallows
- Raised the Bridge 5' for boat traffic



Making sure to protect the environment



A boater enjoying the water



Sediment Control Bag

Construction of the Sibley Bridge

Project

- Lengthen the bridge by 103'
- Build grade raises at either end of the bridge
- Cofferdams – Dewatering for piles
- Built the bridge half at a time or build it twice.
- Riprap



Working in the cofferdam



Placing Riprap from a barge

Construction of the Sibley Bridge

Unforeseen Issues

- Other construction traffic
- Agricultural traffic

Essentially two projects



Construction of the Sibley Bridge

Project Dedication



Questions?