

Public Meeting SD Highway 21 Reconstruction



**DEPARTMENT OF
TRANSPORTATION**

Hamlin County

Project P 0021(177)121 PCN 077A

Future 2028 Project

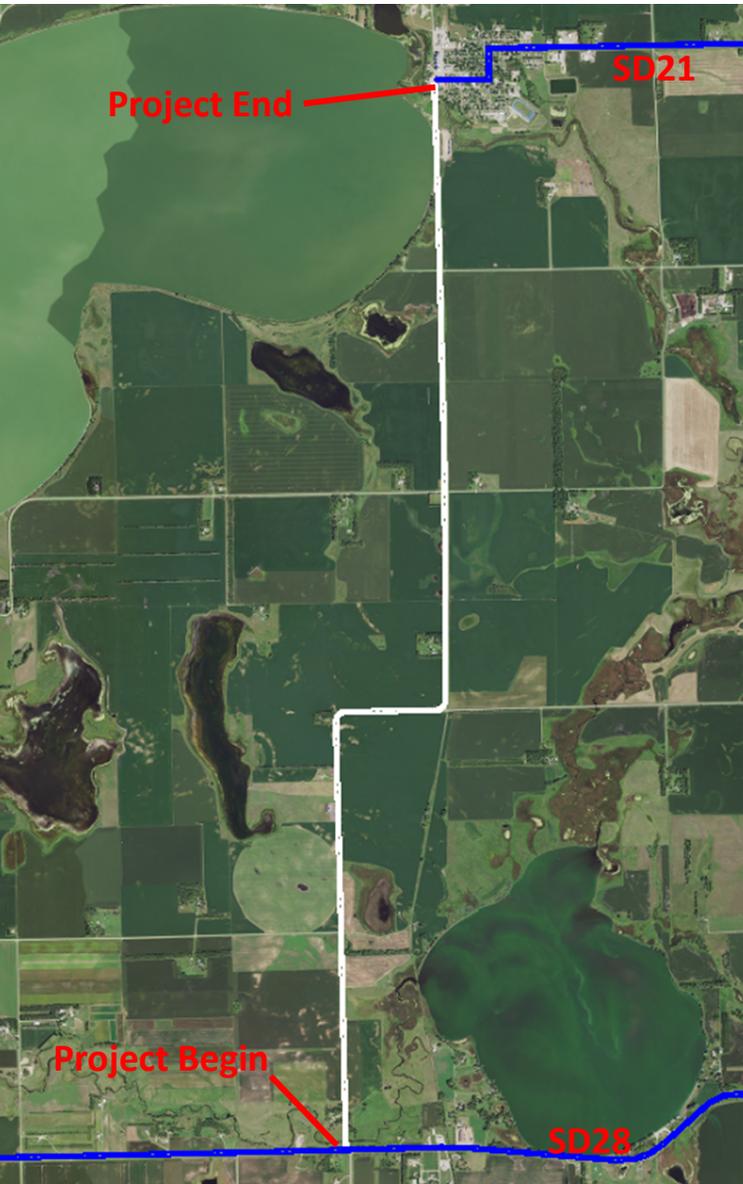
12/07/2021



Purpose of the Meeting

- Gather public input on different realignment options
- Provide a Project Overview
- Involve the public in the planning and design process





Project Limits

- From Junction with SD28 to Main Ave in Hayti



Corridor Background

- **1923** - Originally constructed
- **2012** - Last resurfaced
- **2014** - Last chip seal



Traffic

**Average Daily Traffic:
550**

**Projected Future
2048 traffic: 715**

**5.9% Average Truck
Traffic**



Crash History

- **10 reported Crashes between 2016 and 2020**
 - 4 Fixed object off roadway
 - 1 Overturn off road
 - 1 Angle non-intersection
 - 4 Animal involved
 - 0 Fatal
- **Weighted Crash Rate: 3.01**
 - State Average for Rural Minor Arterial: 1.73



Highway Deficiencies

32 vertical and 2
horizontal curves below
current standards

No
existing
shoulders

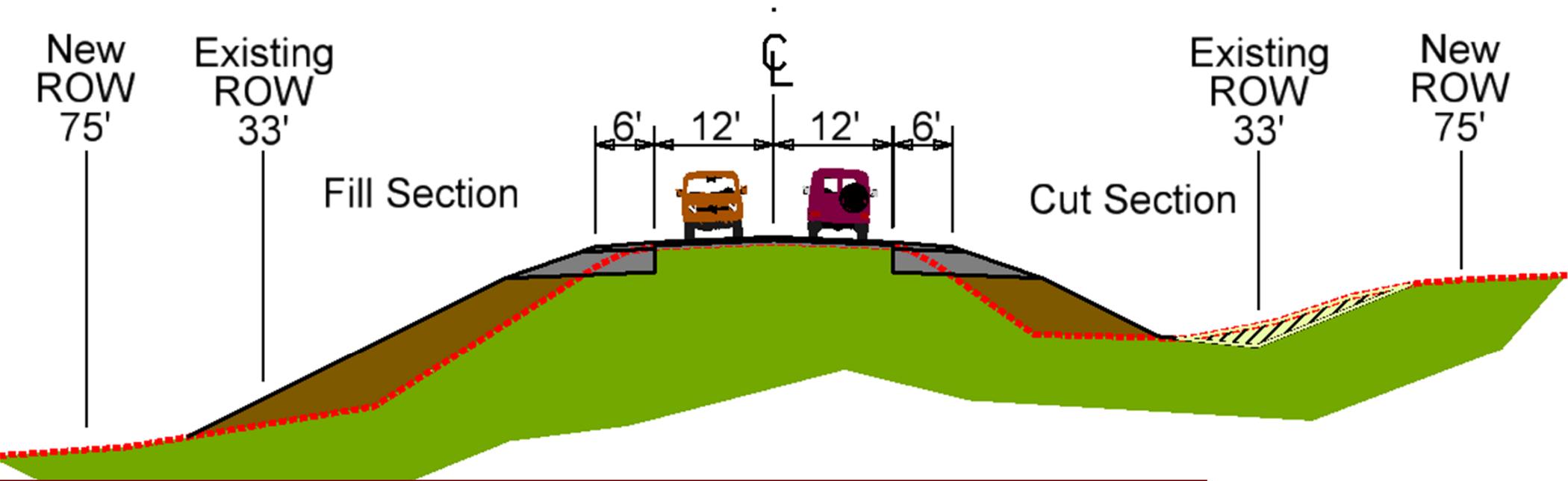
Insufficient
ditches



Proposed Improvements

- **Realignment of highway to eliminate below design speed curves**
- **Widen the road in order to add 6' shoulders**
- **Shift of alignment at Junction with SD28 in order to line up with Jay Headley Ave**
- **Shift of alignment eastward near cemetery to avoid conflicts with wider roadway**
- **Improve drainage and increase snow storage**

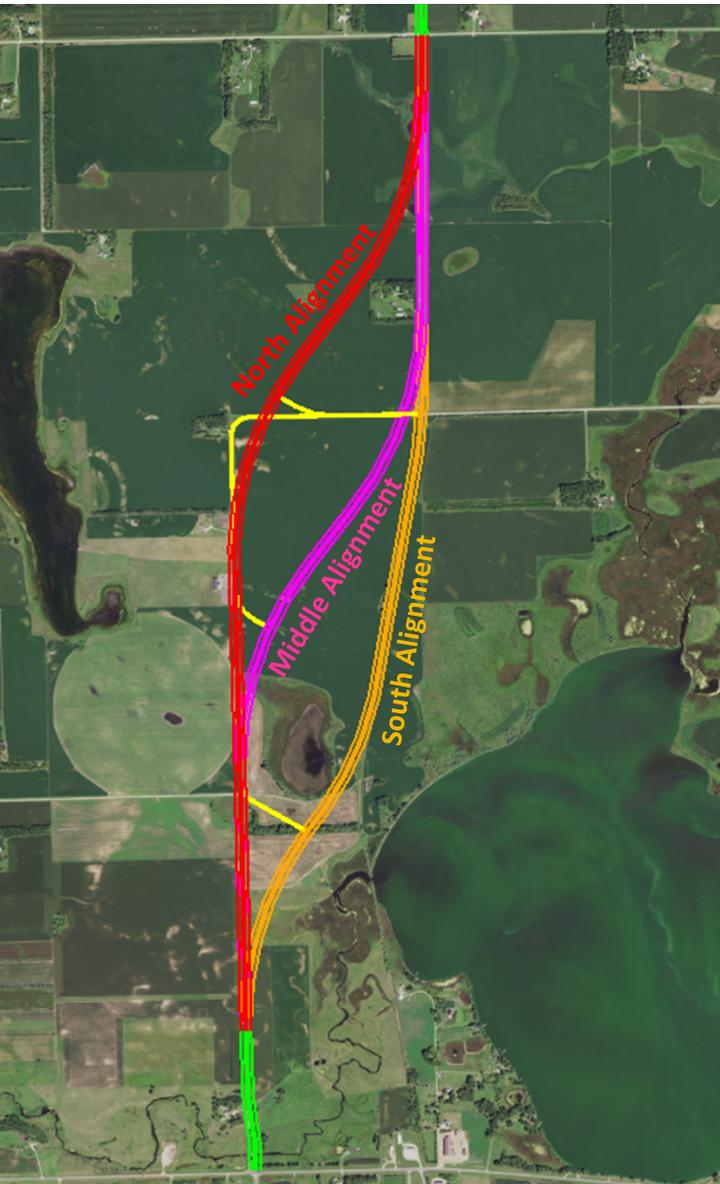




Typical Section

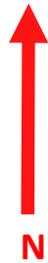
- 20-foot ditch bottom
- 4:1 Inslope





Alignment Options

- South Alignment
- Middle Alignment
- North Alignment
- Same in all options
- To be transferred to County Jurisdiction (Pending)

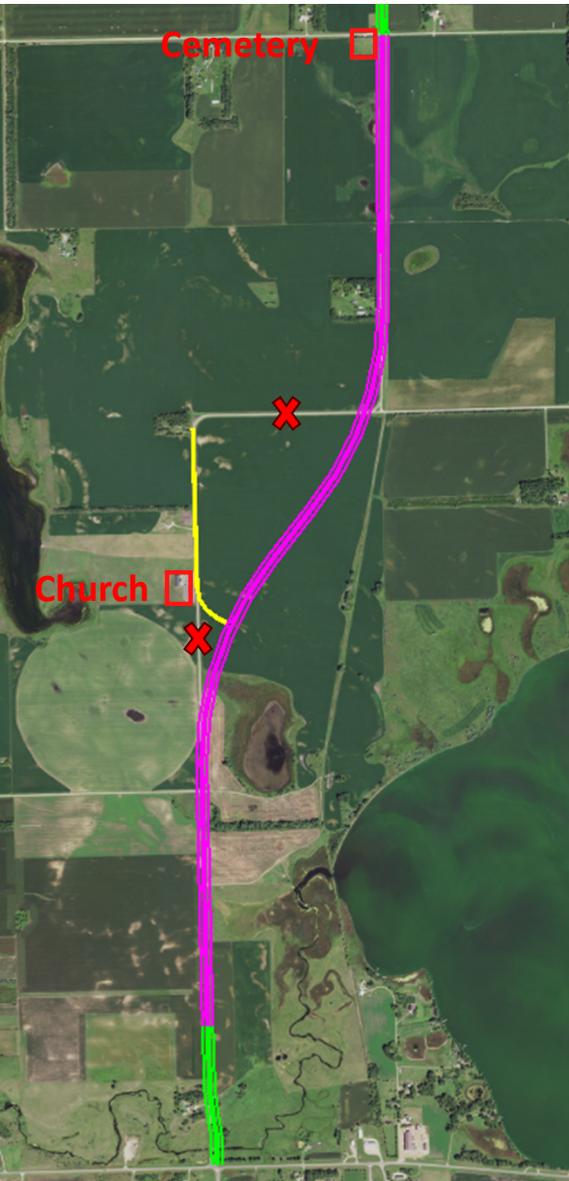




Proposed Alignment A: South

- South Alignment
- Same in all options
- To be transferred to County Jurisdiction (Pending)
- ✘ Obliterate

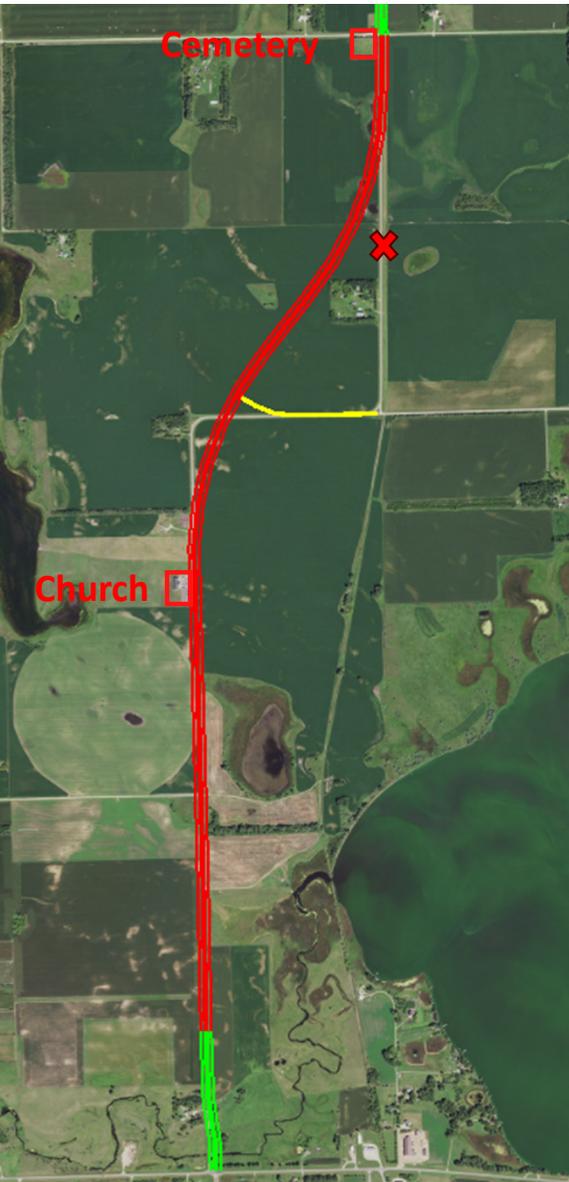




Proposed Alignment B: Middle

- Middle Alignment
- Same in all options
- To be transferred to County Jurisdiction (Pending)
- ✘ Obliterate





Proposed Alignment C: North

- **North Alignment**
- **Same in all options**
- **To be transferred to County Jurisdiction (Pending)**
- ✘ **Obliterate**



Access Management

- To provide safe, efficient access to streets and highways
- Limit number of direct accesses to major roadways
 - Relocate, combine and/or eliminate access points

See Handout for Additional Information



Right of Way (ROW)

**Current ROW width is 66 feet
throughout the corridor**

**Purchase additional ROW – New
ROW corridor: 150 feet wide**

**Temporary Easements as needed
for construction**

**See Handout for Additional
Information**



Encroachments

- **Encroachments – Private Property located within the Public ROW**
 - Federal Highway Regulations Safety
- **Examples of Encroachments**
 - Signs
 - Private Use (Parking)
 - Landscaping Items
- **Owners of encroachments will be notified by the Watertown Area Office**

See Handout for Additional Information



Utility Coordination

- **Some Utilities may need to be relocated**
- **Utility Companies may negotiate easements with landowners as needed**
- **Any known private utilities**

- **Contact SDDOT**

See Handout for Additional Information





Environmental, Social, & Economic Concerns

- **This Project is being developed in accordance with applicable State and Federal environmental regulations.**
 - **National Environmental Policy Act of 1969 (NEPA), as amended**
 - **Section 106 of the National Historic Preservation Act**
 - **Section 404 of the Clean Water Act**
 - **Section 4(f) of the USDOT Transportation Act of 1966**

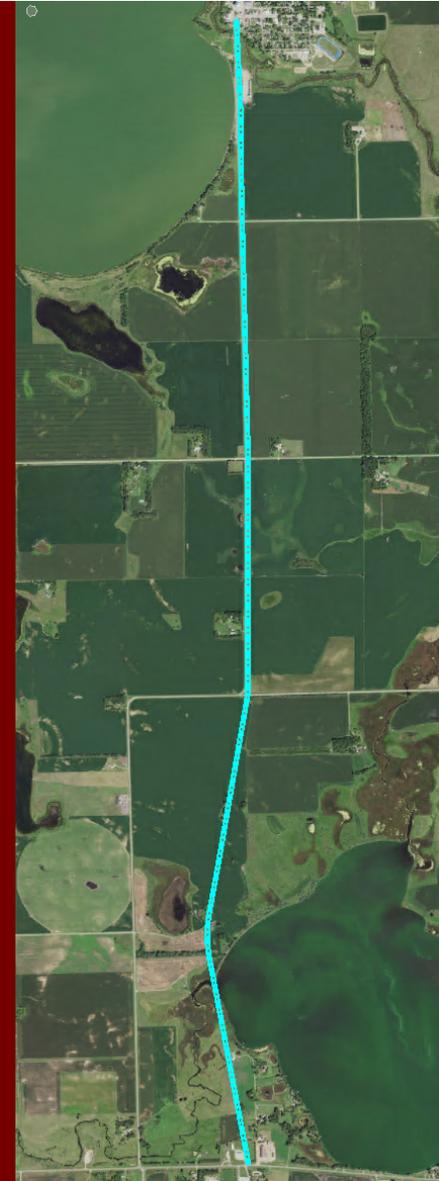


Environmental, Social, & Economic Concerns

- **A cultural resources survey will be conducted**
- **The project will be reviewed in order to determine wetland impacts**
- **Endangered and Threatened Species:**
 - **Birds: Whooping Crane, Red Knot**
 - **Mammals: Northern Long-Eared Bat**
 - **Fish: Topeka Shiner**
 - **Invertebrate: Dakota Skipper, Poweshiek Skipperling**

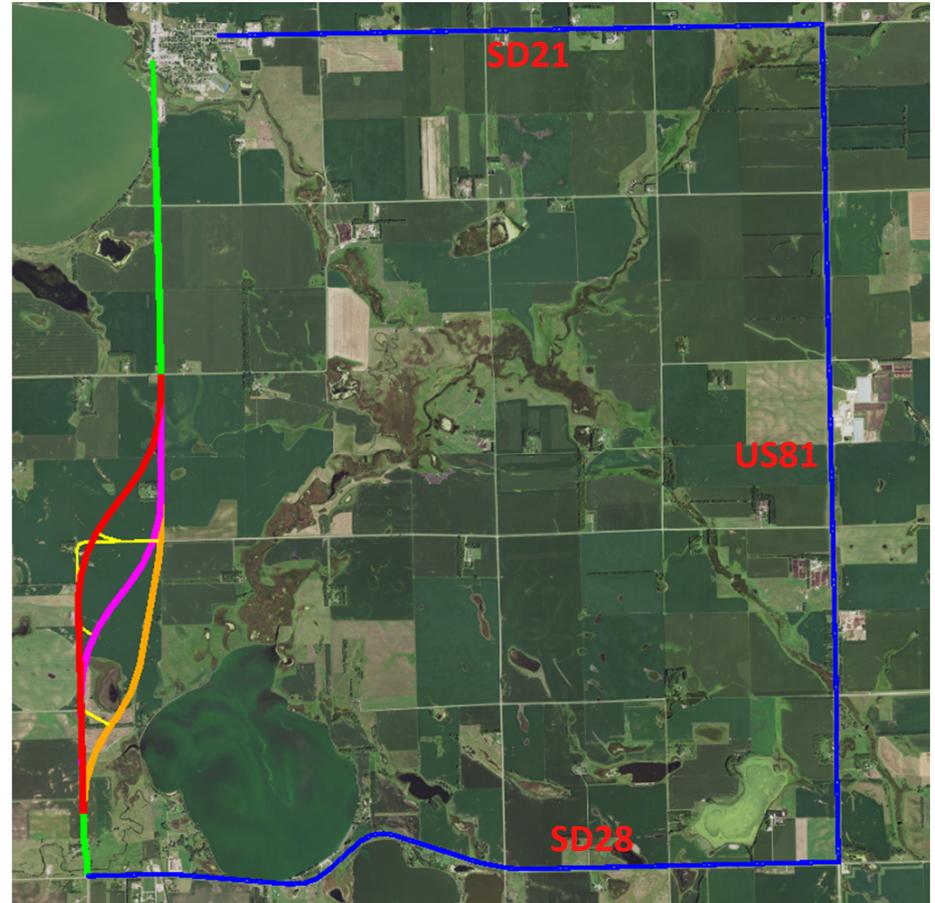
Environmental, Social, & Economic Concerns

- There is an old railroad grade within the project limits. Which may be protected under Section 106 of the National Historic Preservation Act



Traffic Control

- Road would be closed to through traffic during construction
- Local traffic to be maintained along route
- Detour to US81



Tentative Project Schedule

- 2022 – Survey
- 2025 – Preliminary Design
- 2026 – Landowner Meetings
- 2027 – Final Design
- 2027 – ROW Process
- 2028 – Grading Construction (\$7.775 Million)
- 2029 – AC Surfacing (\$3.008 Million)



Public Input

- **Submit Questions and/or Comments to:**

Brace Prouty

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