

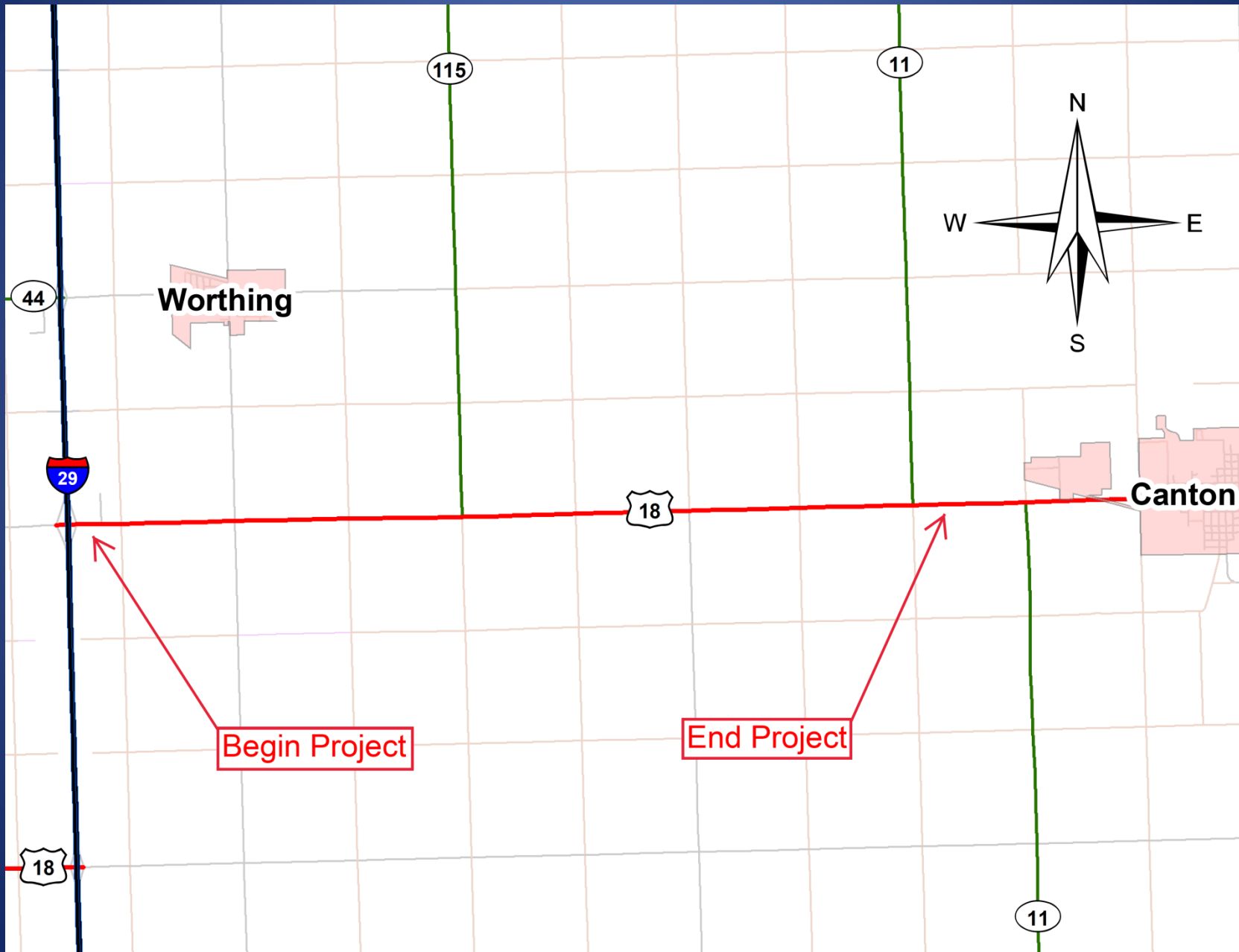
US18 From I-29 towards Canton



Mark Malone, PE

SD DOT

Project Limits



Why are we here?

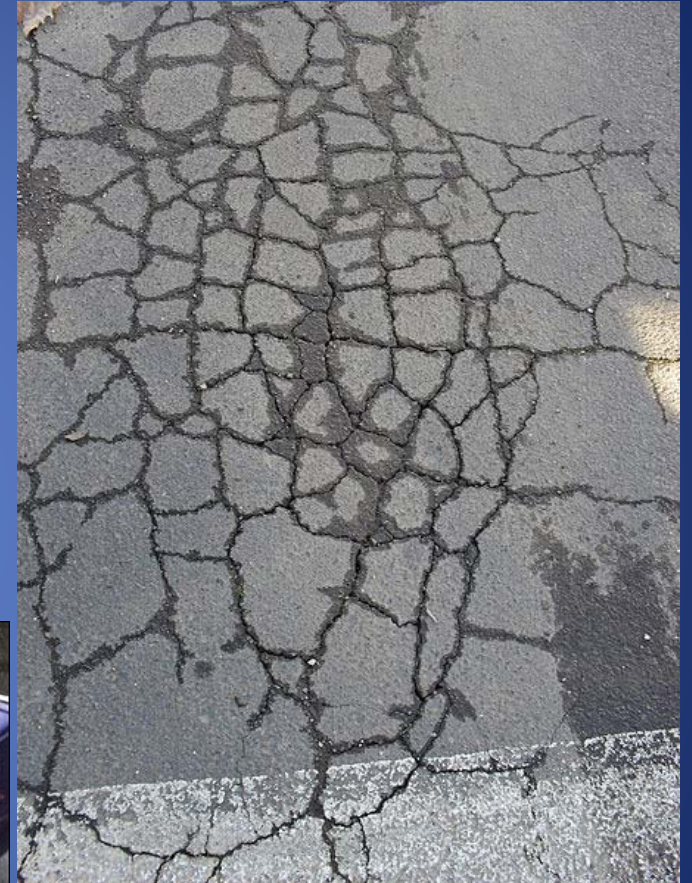
- To involve public in the design process
- Exchange ideas – listen and discuss concerns
- To discuss the divided highway segments of US18
 - ✓ Traffic Impacts
 - ✓ Right of Way Impacts
 - ✓ Safety Impacts



SDDOT Roadway Review – 3 C's



Capacity



Condition



Crashes

Evaluate Alternatives



Crash numbers – 2012-2016

- Weighted Crash Rate – 1.53
 - ✓ State Average – 1.48

- Total Crashes - 57
 - ✓ 20 Injury
 - ✓ 37 PDO



Growing South of Sioux Falls

- Harrisburg k-12 School Enrollment
 - Fall 2000 – 794
 - Fall 2010 – 2,377
 - Fall 2017 – 4,520



Traffic Numbers

➤ 2016 Traffic – 4,511 (13.9% trucks)

✓ 25 years – 9,810

✓ 35 years – 11,930



Traffic needs 4 lanes

Table 15-10 Estimated Number of Lanes

Total Number of Lanes	Total Design Year ADT (vpd) ¹	
	Rural Level	Urban
2	< 8,000	< 2,500
3	²	2,500 to 16,000
4	8,000 to 20,000 ³	³
5	²	16,000 to 30,000
6	> 20,000 ⁴	> 30,000 ⁴

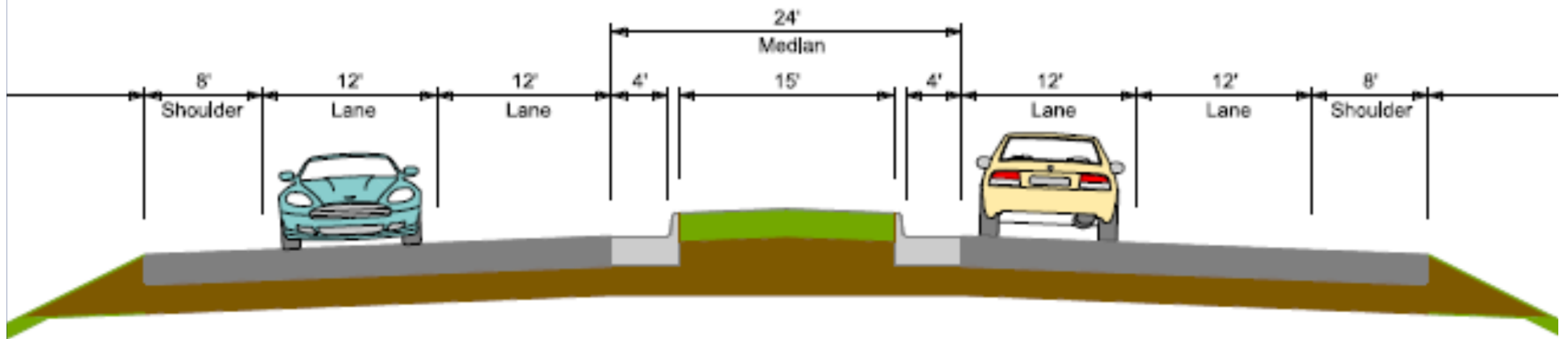
¹ Construction/Reconstruction projects are designed based on a typical 20 year ADT projection beyond the anticipated year of project construction.

² Continuous left turn lanes may be considered based on left turn volumes and/or when intersections and/or approaches are closely spaced together.

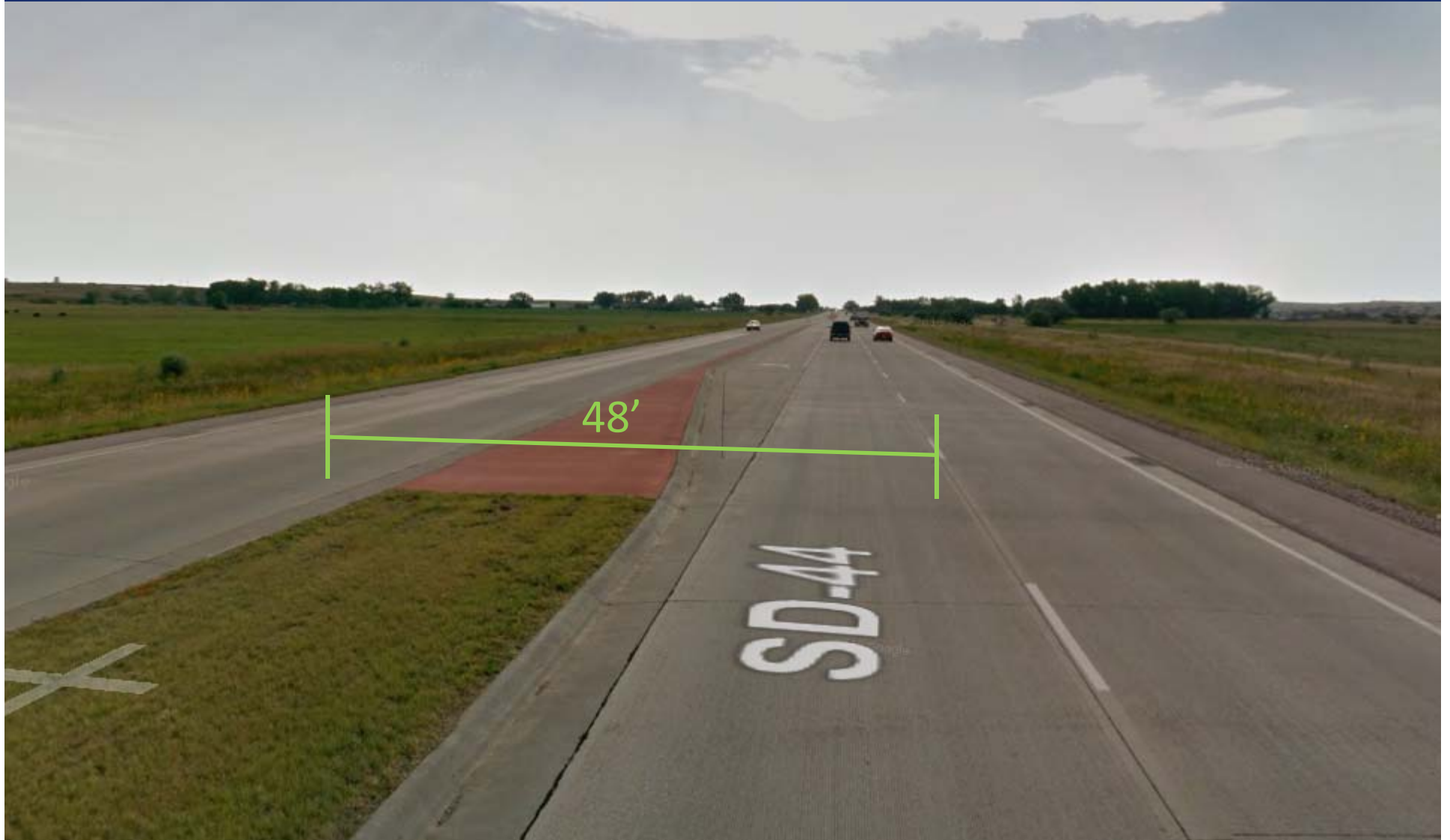
³ Undivided sections may be used if left turn movements are low and there is no crash history, otherwise consider installing a median or 5 lane section.

⁴ Medians should be used.

Proposed Highway



What will this look like?



What are we avoiding? (much wider)



Avoid Divided Hwy Intersections



Very wide - tougher to judge speeds



This is much safer



Access Management



- Driveways/Intersecting Roads
 - Full Access spacing at ½ mile (DOT standard)
- More access may be possible as design proceeds
 - Opportunities to work with Landowners

Impacted Properties

- There are impacts with this project
- Appraisal: 6 - 9 months
 - Based on fair market value of local area
- Relocation
 - Residential, business, commercial
 - Relocation Assistance Brochure (brown)
- Negotiations: 6 - 12 months

Environmental, Social & Economic Concerns

- **Section 4(f) Property**
 - Project action will include all possible planning to avoid and minimize harm to publicly owned parks, recreational areas, wildlife & waterfowl refuges, or public & private historical sites.
- **Section 106**
 - Section 106 of the National Historic Preservation Act requires Federal actions to take into account the effects of project undertakings on historic properties.
- **Contaminated Materials**
 - Project undertaking will take into account contaminated soils with relation to existing aboveground and underground storage tanks within or adjacent to project's area of potential effect.
- **Wetlands**
 - Federal regulations require that unavoidable wetland impacts caused by highway construction be mitigated. If you are interested in creating or restoring wetlands on your property, please complete the Wetland Mitigation Registry Form in the handouts.

Speed limit proposals

- SDDOT will conduct speed study following construction
 - ✓ Proposed speed limit - 65mph
 - ✓ SD44 in Rapid City is 65 mph



Project Construction

- Construction currently scheduled for 2023 or beyond
 - ✓ Developmental STIP
 - ✓ Pending Funding & Scheduling
 - ✓ 2 construction seasons



Traffic During Construction

- Area/Region Offices currently reviewing options
 - ✓ 2 Construction Seasons
 - ✓ Possible detours
 - ✓ Access to homes & businesses will be maintained






- Projected Cost - \$32.8 M
 - ✓ Reconstruction - \$15.8 M
 - ✓ Surfacing - \$17.0 M



- Finalize scope of work following public input
- Begin design
- Design staff will meet with affected landowners as design progresses

➤ Written Comments Due Friday, Feb. 22

- ✓ Mail - 700 E Broadway Ave Pierre, SD 57501
- ✓ Email – mark.malone@state.sd.us
- ✓ Here - Now



Comments
encouraged!

➤ Website (project information)

- ✓ <http://sddot.com/dot/publicmeetings>

Q&A

You have

Questions

We have

Answers