



SD Highway 53 Grading and Gravel Surfacing

P 0053(05)61

PCN 6963

Mellette County

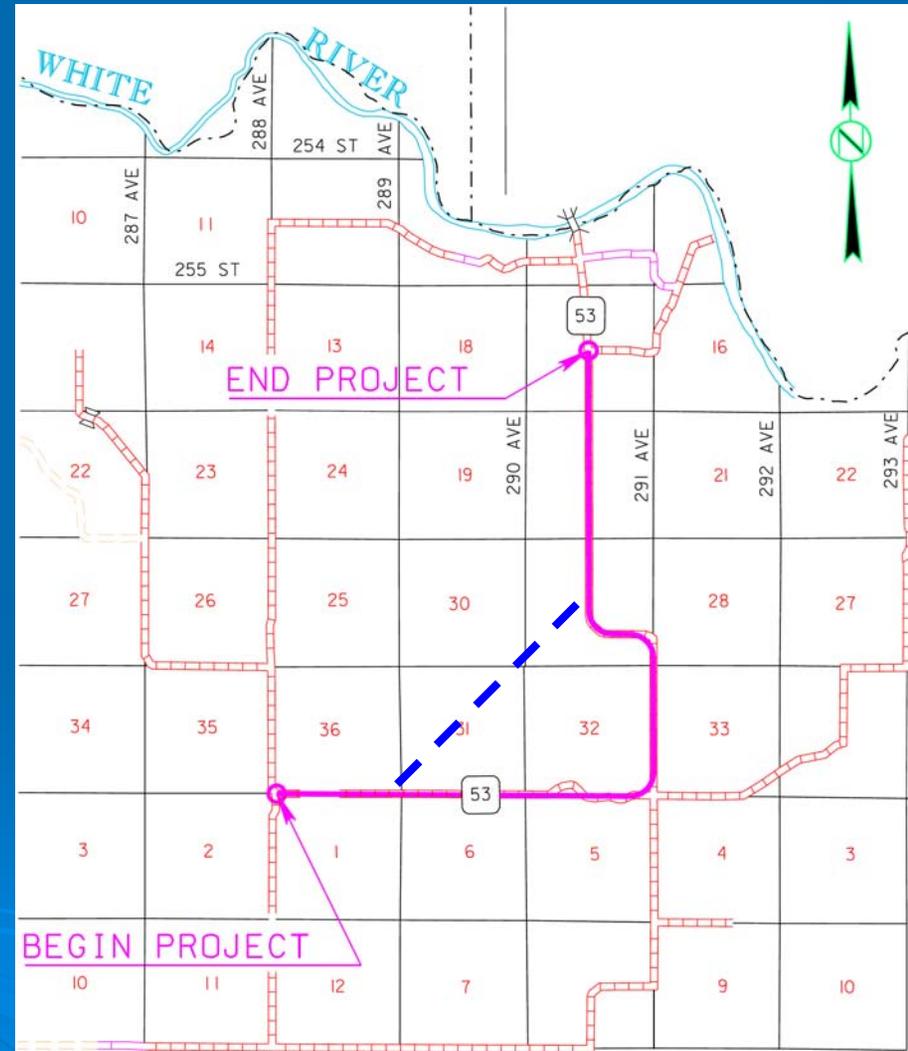
Mark Leiferman

Road Design Chief Engineer



Project Limits

SD 53 from the
Bad Nation Corner to
1.1 Miles South of the
White River





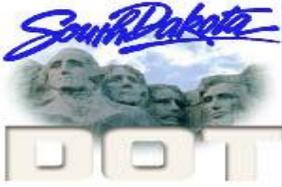
Background Information

Originally Constructed in 1953

Last Surface Improvement – 1984

Traffic Data (ADT – Average Daily Traffic)

Current (2009)	55
Projected (2029)	95
Trucks	11.4%



Crash History

January 1, 2008 to December 31, 2010

No Reported Crashes



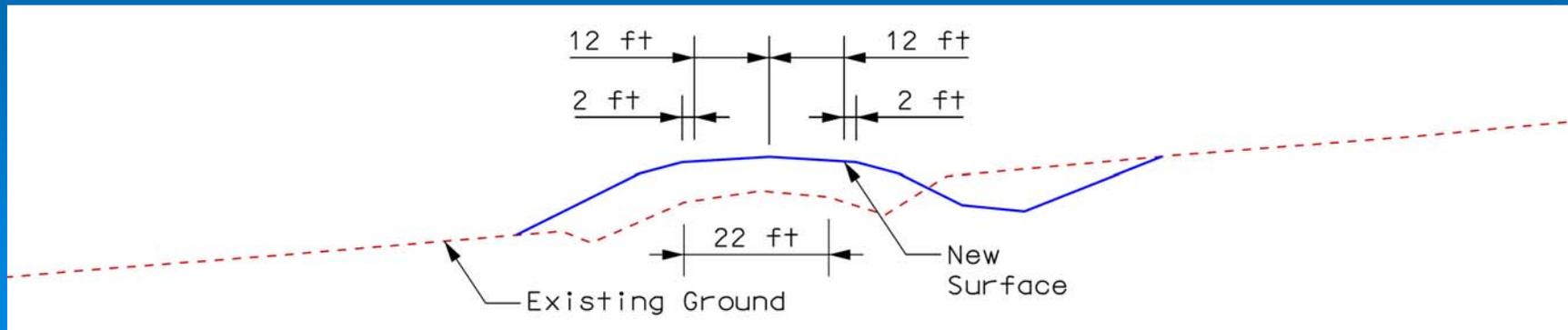
Needs

- Reduce Maintenance
- Narrow roadway (existing is 22 ft)
- Sharp horizontal curves
- Sharp vertical curves



Project Scope

- 6.6 miles in length (~ \$2.23 M)
- Same section as SD53 south of the Bad Nation Corner
 - 4" of gravel surfacing
 - 12 ft driving lanes - 2 ft shoulders





Project Scope

- HORIZONTAL alignment will generally follow the existing road
 - Meandering stretch from Peacock Corner 1 mile west will be straightened to generally follow the section line
 - Curves will be made larger to accommodate 55 mph design speed
- VERTICAL alignment will be flattened to improve sight distances



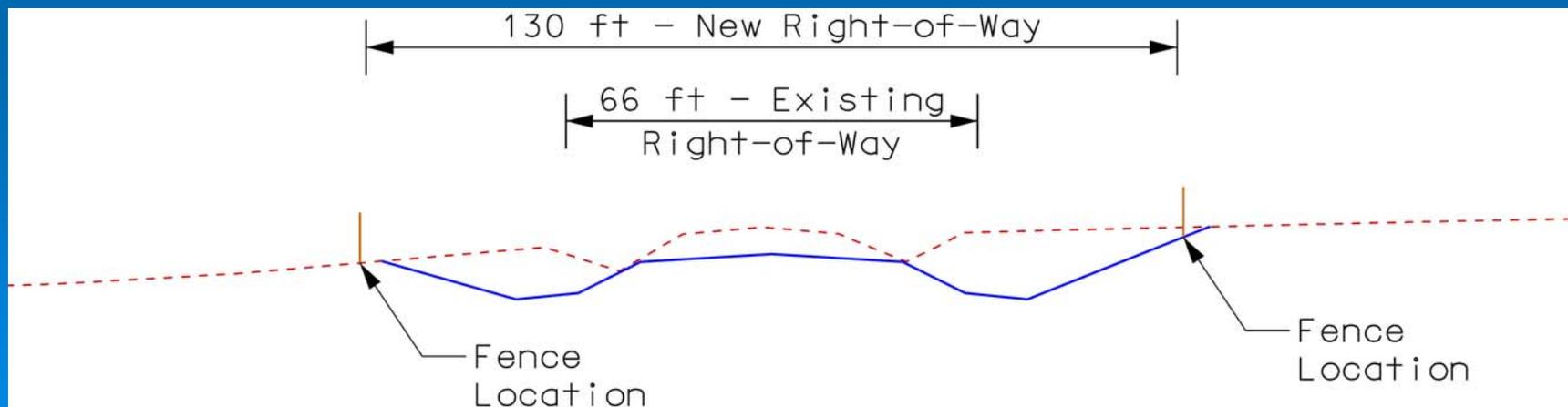
Project Scope

- Replace pipe culverts
- Replace fence
- Apply Access Management
 - Remove, relocate and combine entrances to reduce conflict points and improve sight distances



Right of Way

- Additional permanent Right-of-Way will be acquired throughout the project
- Temporary Easements for construction





Construction Traffic Plan

- Highway will remain open to thru traffic
- Wet weather may cause closure of the road
- A traffic diversion will be used at a location where large culvert is installed
- Traffic directed with flaggers and pilot cars
- Access to adjacent property will be maintained



DOT Project Process

- Public Meeting February 3, 2011
- Individual Landowner Meetings April 2011
 - Discuss Right-of-Way needs, fences, entrances, private utilities, drainage, other
- Final Design Summer 2011
- ROW Appraisal/Acquisition Fall 2011-2012
- Letting October 2012
- Construction 2013



Questions?

Please Submit Questions or Comments by
February 17 to:

Neil Schochenmaier, Road Design Engineering Supervisor
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South Dakota Department of Transportation
700 East Broadway Avenue
Pierre, SD 57501

[Public Meeting Information](http://www.sddot.com/pe/projdev/planning_pubmeet.asp)
http://www.sddot.com/pe/projdev/planning_pubmeet.asp