

HIGHWAY 22

**FULL DEPTH
RECLAMATION**

**CONSTRUCTION
CONFERENCE 2016**

Project Details

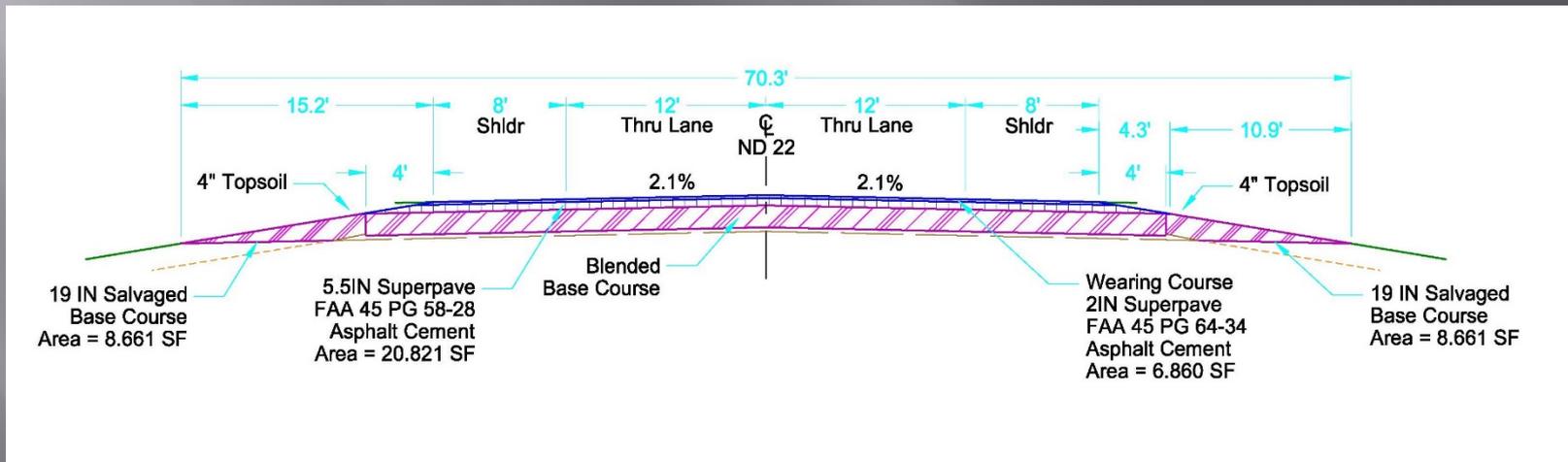
- Constructed in 2013
- Hwy 22 from RP 77.954 to RP 91.439
- Dunn County Line to 4.5 miles south of Manning
- 13.485 Miles Long

Who?

- Dickinson District
- Design: Kadrmas, Lee and Jackson
- Contractor: Border States Paving
- Contract Administration : Bartlett & West
- Project Oversight: Bismarck District

Design

- Mine & Blend
- 5.5" Superpave FAA 45 PG 58-28
- 2" Superpave FAA 45 PG 64-34



Value Engineering

Full Depth Reclamation

SPEC -CODE	BID ITEM	INCREASE/DECREAS IN QUANTITY	UNIT PRICE	COST
302-0100	Salvage Base Course	8,657.11	\$30.90	\$267,504.70
306-0105	Aggregate CL 3M	-151,100.00	\$29.35	-\$4,434,785.00
550-2040	Portland Cement	4,936.33	\$200.00	\$987,266.00
900-0500	Cement Stab. Base	413,023.37	\$6.00	\$2,478,140.22

Total = -\$701,874.08

DOT Savings= \$350,937.04

Project Comparison

- Full Depth Reclamation Process was the same as the 2015
 - 2013 Project did not require Micro-Cracking
- Micro-Cracking
 - Reduce reflective cracking that may occur in the aggregate base

Recent Picture



Cracks Starting in the Shoulder



Full Width Crack



Any Questions?

