



ASPHALT PAVEMENT ALLIANCE

# PERPETUAL PAVEMENT AWARD

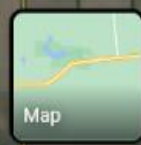
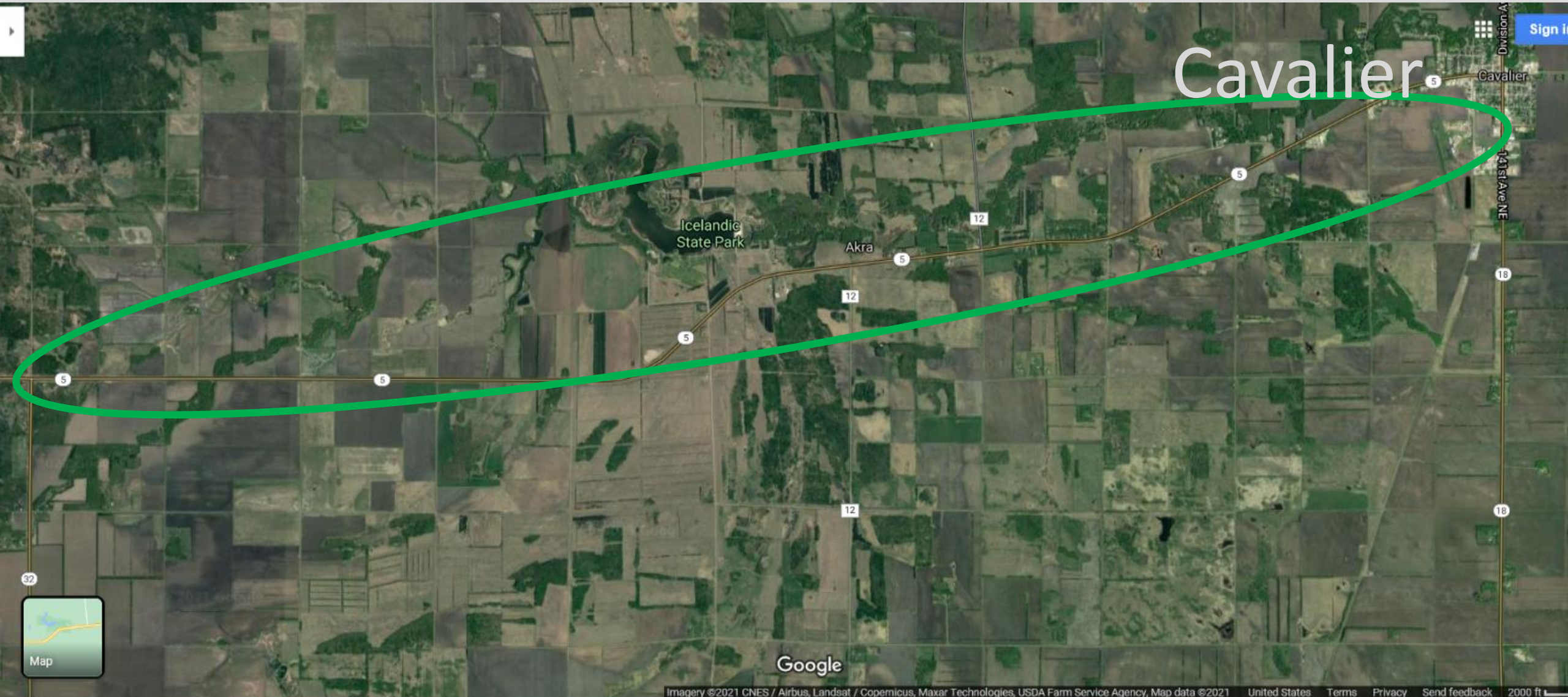
North Dakota Department of Transportation

ND Highway 5

East JCT of ND 32 East to Cavalier  
(RP 302.001 – 313.257)

**Curt Dunn, PE**, Grand Forks District NDDOT Materials Coordinator

# Cavalier



Google

## ND HIGHWAY 5 PAVEMENT INFORMATION

- Classified as a State Corridor
- Safely Moves People and Goods for over 68 Years
- Maintains a moderately High Degree of Reliability and Mobility
- Supports the Movement of Agricultural Commodities, Freight, & Manufactured Products within the State
- Part of the National Highway System

## Why was ND 5 Nominated?

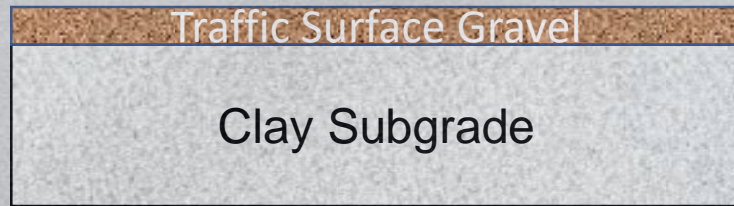
- Endured the Test of Time and has Maintained an Acceptable Level of Serviceability over it's Lifetime
- Endured the Stresses induced by Traffic Loadings and Stresses due to the Environment (Thermal, Frost Action, Freeze/Thaw Cycles)
- Challenging Soil Conditions
- Still performing from a Distress and IRI Standpoint

## Average Annual Daily Traffic (AADT) & Esal's

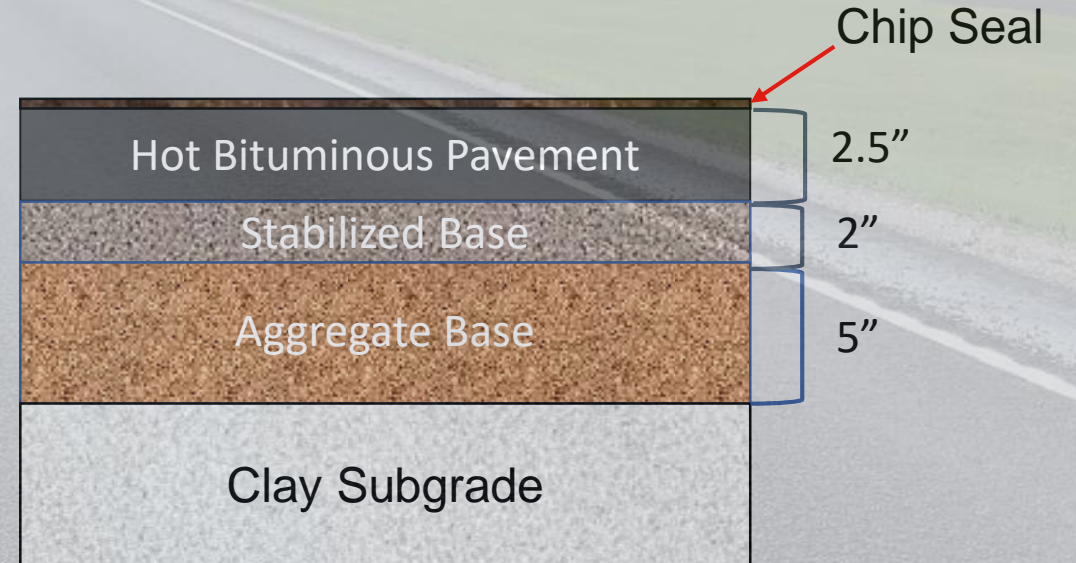
- AADT = 1399 including 14% Trucks
- To Date Approximately 3 Million Equivalent Single-Axle Loads (Esal's)

# ND Highway 5 Construction History

1952



1953



# ND Highway 5 Construction History

1983



# ND Highway 5 Construction History

1985 & 1997



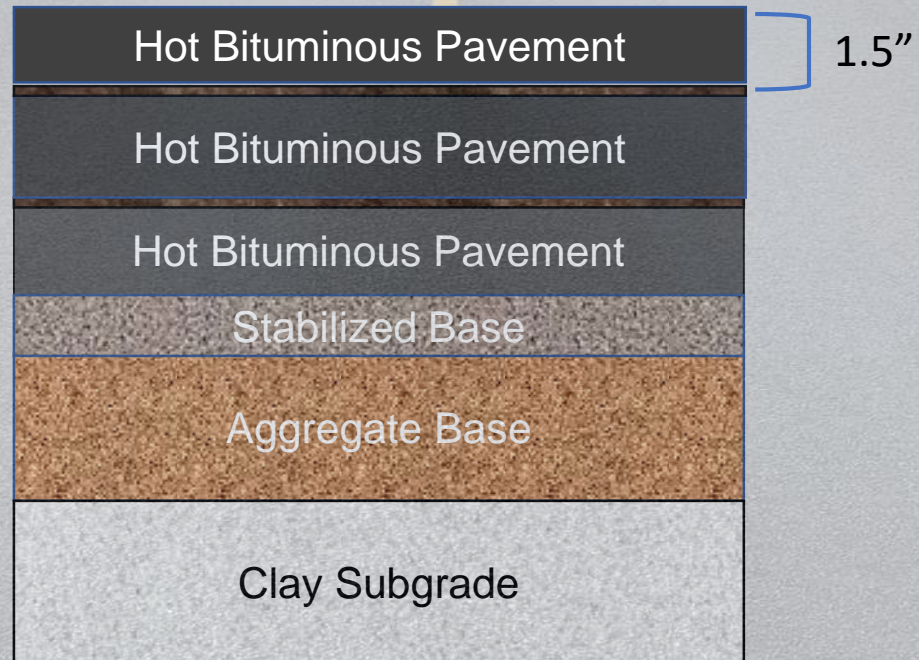
Maintenance Chip Seals





# ND Highway 5 Construction History

2002



# ND Highway 5 Construction History

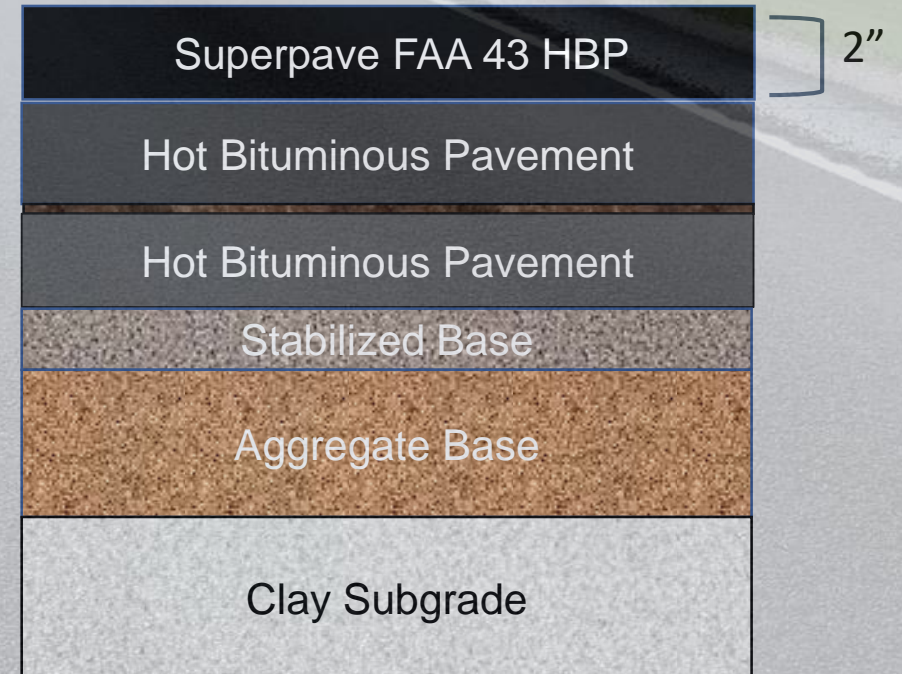
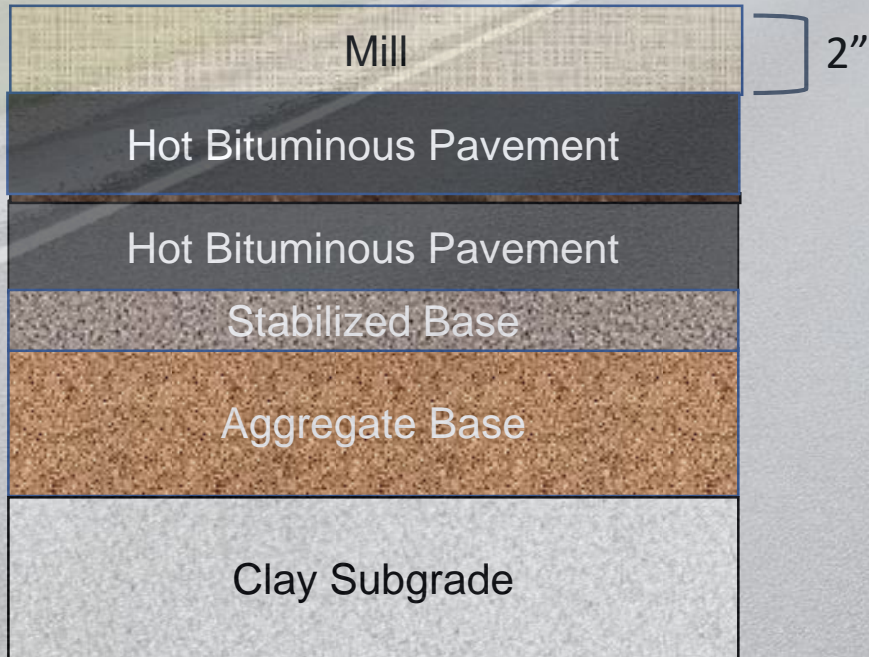
2006

Federal Aid Chip Seal



# ND Highway 5 Construction History

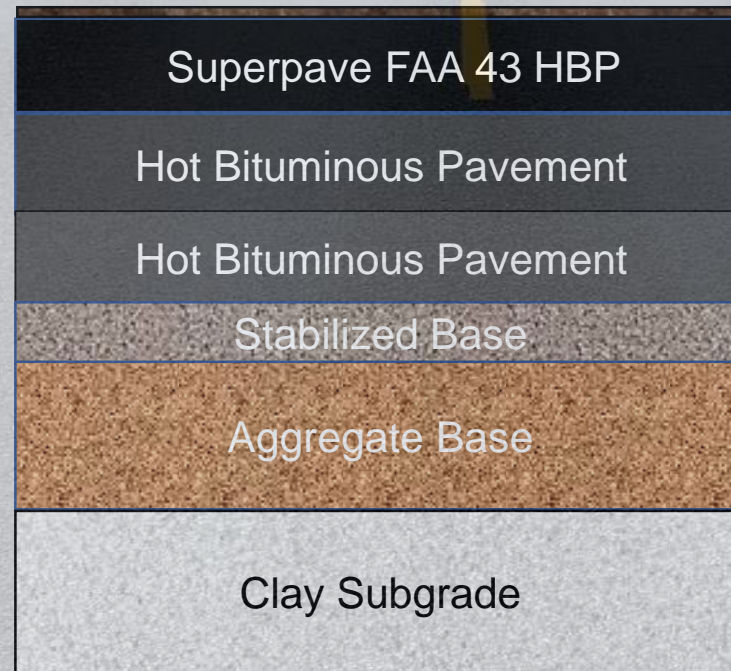
2015



# ND Highway 5 Construction History

2019

Federal Aid Chip Seal



6.5"

# Contractors have Contributed to the Success and Longevity of ND Highway 5

Component	Prime Contractor	Year
GRADE	Joe Mayo & Sons	1952
AGGREGATE BASE	Joe Mayo & Sons	1953
STABILIZED BASE*	Joe Mayo & Sons	1953
HOT BIT PAVEMENT	Joe Mayo & Sons*	1953
HOT BIT PAVEMENT	Mayo Construction Company	1983
CONTRACT CHIP SEAL	!!!	1985
CONTRACT CHIP SEAL	!!!	1997
HOT BIT PAVEMENT	Strata Corporation	2002
FEDERAL AID CHIP SEAL	Morris Seal Coat & Trucking	2006
HBP-SUPERPAVE Mill & Overlay	Knife River Materials	2015
FEDERAL AID CHIP SEAL	ASTECH Corporation	2019

\*HBP Paving Sub-Contractor: Herb and Reece



Special thanks to the many Grand Forks District personnel

## **Key to the success of ND Highway 5**

Grand Forks District Engineers  
Assistant District Engineers  
Team Leaders  
Project Engineers & Managers  
Transportation Technicians  
Maintenance Coordinators  
Maintenance Superintendents  
Engineering Technicians  
District Lab Superintendents  
Materials Coordinators

North Dakota Department of Transportation  
Grand Forks District  
**Cavalier Maintenance Section**



Rick Kendall




Brian Thompson



Randy Ermer



Tim Stegman



Asphalt Pavement Alliance  
Asphalt Institute  
National Asphalt Pavement Association  
National Center for Asphalt Technology  
Dakota Asphalt Pavement Association  
Federal Highway Administration













A long, straight asphalt road stretches into the distance, flanked by green grass and trees. The road has a yellow dashed center line and white solid edge lines. The text "THANK YOU!!!" is overlaid in the center of the road in a bold, black, sans-serif font.

**THANK YOU!!!**