



# Interstate 394

## My life as a Pavement

MPPP

Sept. 30, 2015

Narrated by Jerry Geib

*Your Destination...Our Priority*





# My Story

- Preventive Maintenance
  - with HMA, 1996 & 04
  - For "whine"
- PCC rehab 2015
  - **NGCS** Next Generation Concrete Surface

*Your Destination...Our Priority*



# NGCS

- The QUIETEST surface I have ever driven on.
- Set the bar HIGH
- Exceed expectations

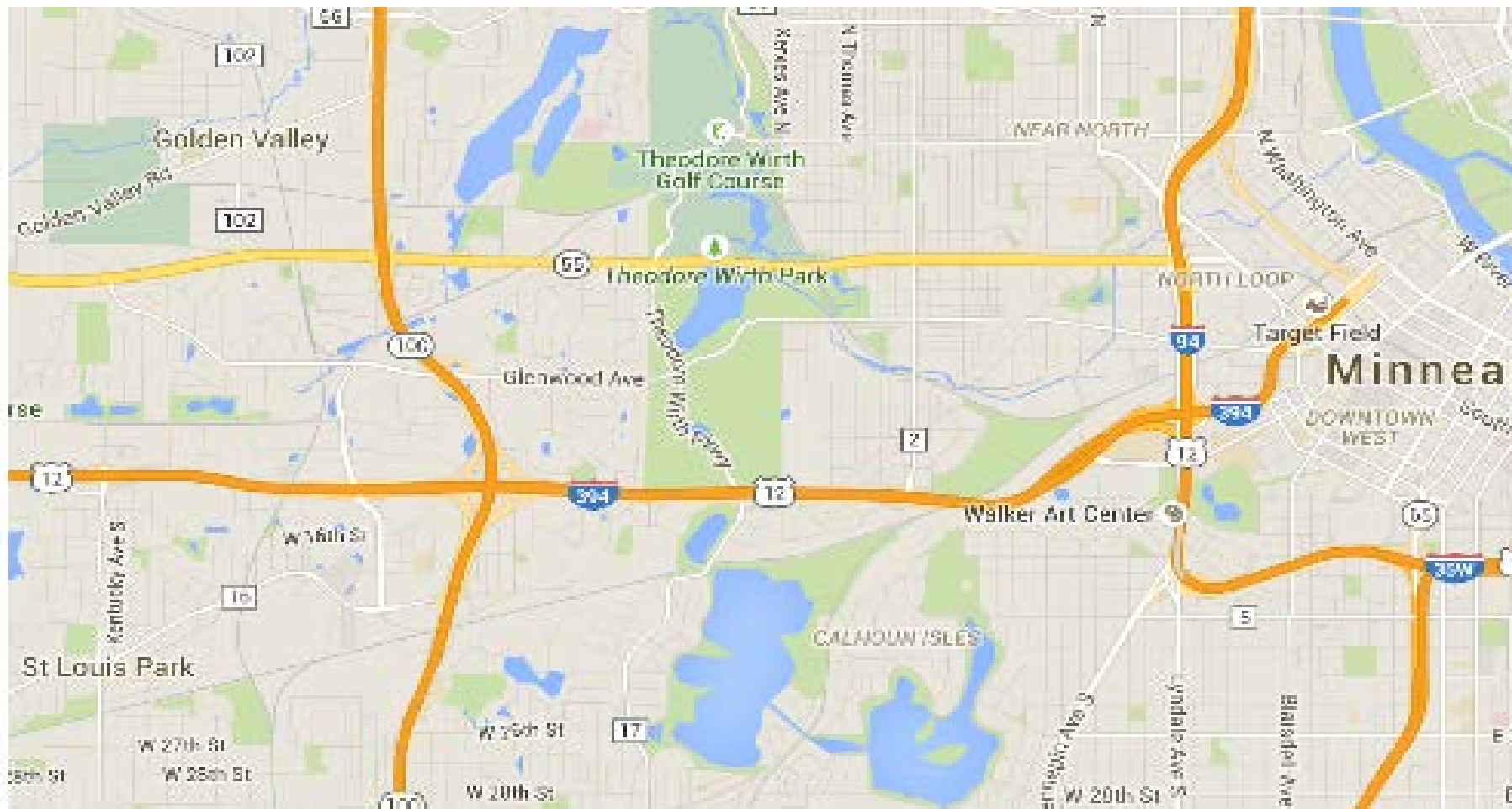
*Your Destination...Our Priority*





*Your Destination...Our Priority*





*Your Destination...Our Priority*





1000  
300  
S Frontage Rd  
MNDOT 10 W

WEST

1000  
300  
Park Dr-Laska  
MNDOT 10 W

US-12



US-12





*Your Destination...Our Priority*





Born: WB, Oct 1990

EB, Aug 1989

Thickness: 10"

Dowels: 1.25"

Panels: 27' skewed

About 1.4 miles long

*Your Destination...Our Priority*







1996 (6-7 years old)

Thin HMA overly

1.5-2"

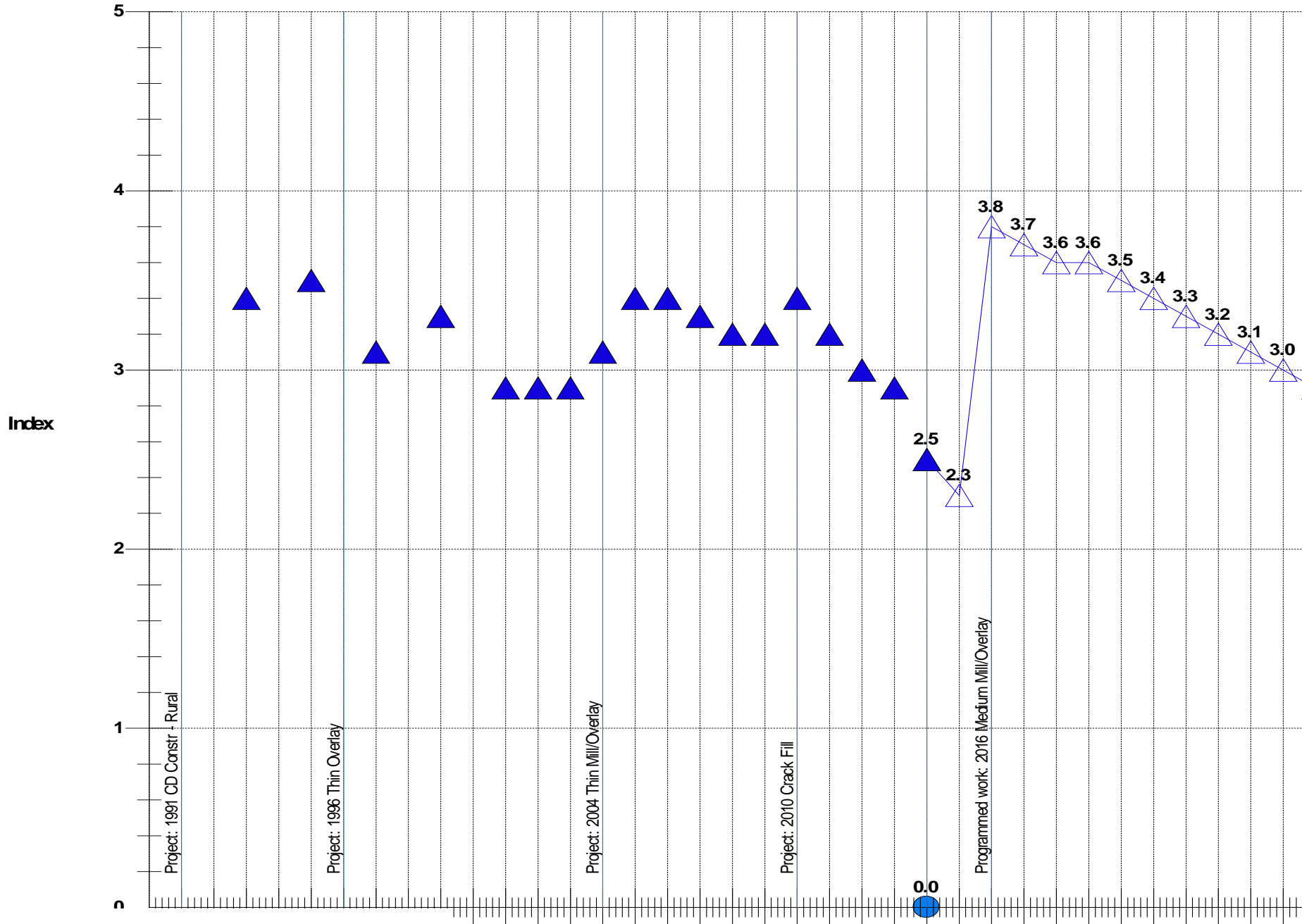
IRI ~ 108 in/mi

In place for 8 years

*Your Destination...Our Priority*



# Section Index Performance: IS 394 0010 6+0.313 - 7+0.515





2004 (14 -15 years old)

Mill off 1.5" HMA

Pave UTBWC (Novachip)

"Lasted" 11 years

first 8 yrs, IRI < 110 in/mi

*Your Destination...Our Priority*



# Section Index Performance: IS 394 0010 6+0.313-7+0.515

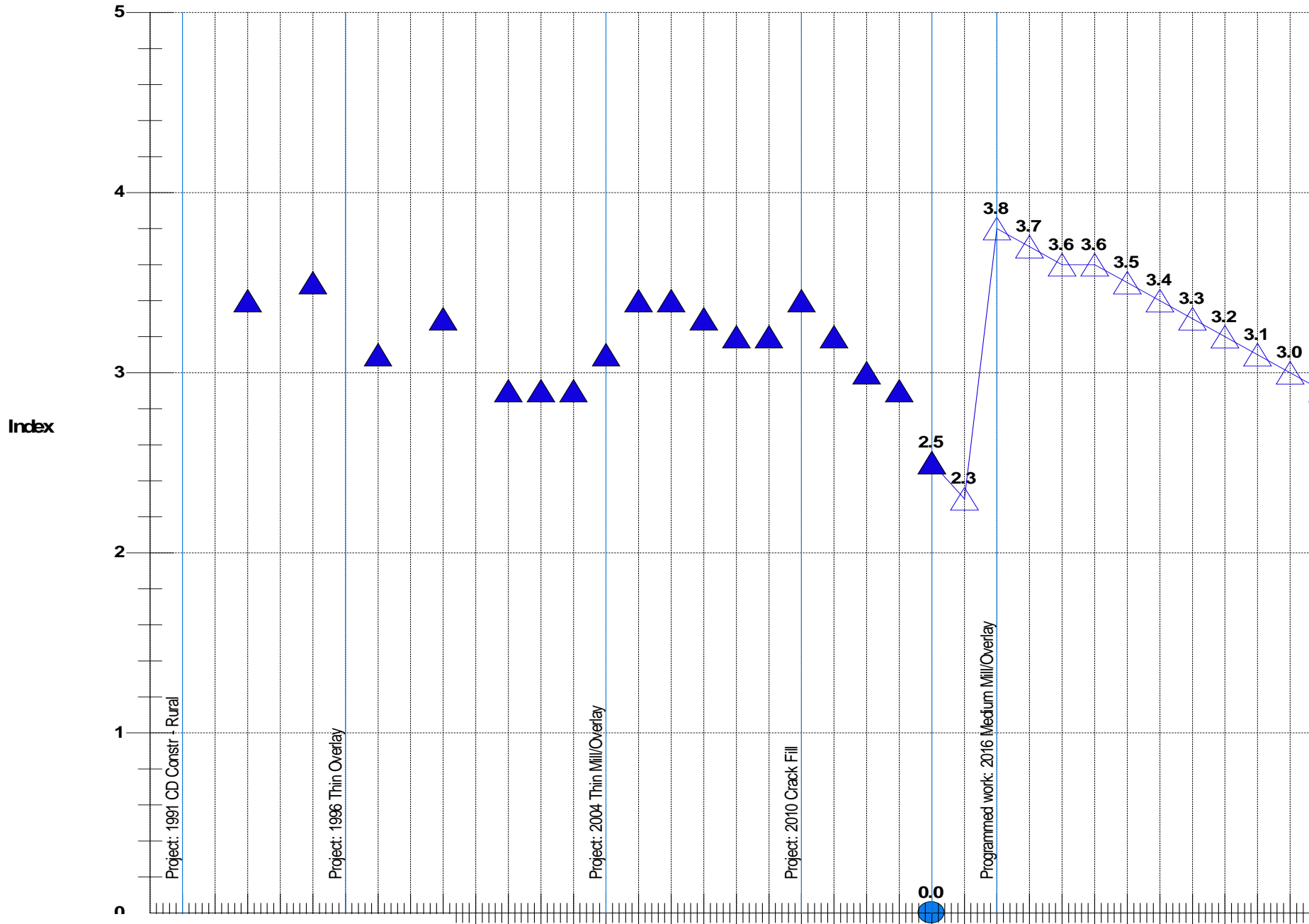




Image / Location Data

00:25:01:27 Rec 26756 Set 504 56.2 m/h  
 Dist 327.8 ft 7.535 RP 7+0.528 Ref+Offset  
 Lat +44.9700665 Lon -93.3076931  
 Heading 277.0°  
 Date 05/05/2014 Time 10:12  
 locid: 50394DM Road\_Name: I394  
 ad-----From-----: EXIT RAMP TO Road-----To: BEG 91-92  
 Len: 3152.0 SvyLeng: 3114.0  
 IRI LWP i/m: 103.8 IRI R e: 98.5  
 URL e: 0.0 PLTA: 0.00

Digitized Image Control

1 2 << >> Find ChngDir Print TPro  
 ... + M.P.  
 Skip 0.0 feet Click to Freeze

09:01:57 I1=00:25:02:00 simagenum=00:25:01:27 iv7=0 iflag80=26755 10=26755 11=26754 64=0  
 09:01:57 I1=00:25:02:00 simagenum=00:25:01:27 iv7=0 iflag80=26755 10=26755 11=26754 64=0



2015 (25-26 years old)  
Micro mill off UTBWC  
Major PCC rehab  
NGCS grind

*Your Destination...Our Priority*





Engrs Est = \$9.4M pavement,  
\$1.2M bridge

Low Bid = \$10.9M pavement,  
\$2.0M bridge

75% full depth repairs

25% partial depth repairs

*Your Destination...Our Priority*





*Your Destination... Our Priority*







*Your Destination...Our Priority*





*Your Destination...Our Priority*







*Your Destination...Our Priority*





*Your Destination...Our Priority*



# Drive by results

- Very smooth
- Very quiet
  
- IRI & OBSI data to be collected and processed this fall

*Your Destination...Our Priority*





*Your Destination...Our Priority*



# African Proverb

If you want to go *fast*,  
go alone

If you want to go *far*,  
go together

*Your Destination...Our Priority*







# Questions?

## Jerry Geib

[jerry.geib@state.mn.us](mailto:jerry.geib@state.mn.us)

*Your Destination...Our Priority*





*Your Destination...Our Priority*

