

Purdue Road School 2012

Session # 23: Replacing Raised Pavement Markers with Painted Rumble Stripes

Tuesday March 6, 2011

Presented By:

Dana Plattner - INDOT

Mike Prather - INDOT

Stuart Mitkey - INDOT



Mike Prather

SR38 CONSTRUCTION & CLRS APPLICATION

Antic



State Road 38



Construction D



Retro:
August 11,
2011

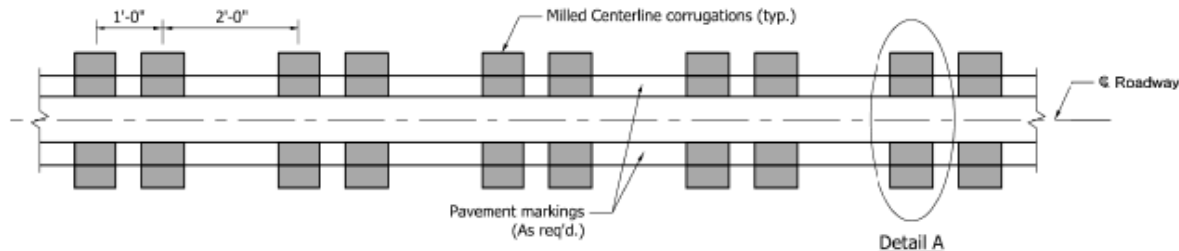
Fog Seal:
July 15,
2011

Paving: May 31, 2011

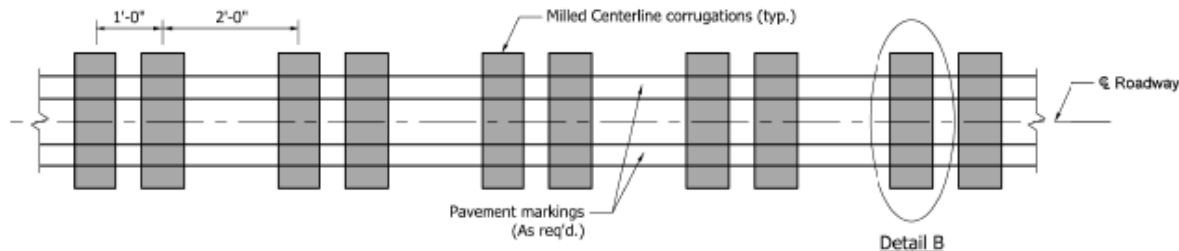
Painting: July 22, 2011

Rumbles: June 23, 2011

INDOT Specification (Original)



DETAIL #1



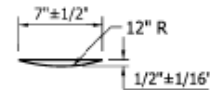
DETAIL #2

Notes

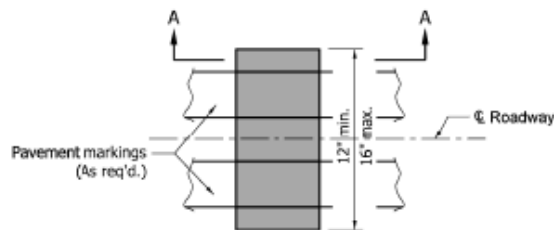
1. Place Milled Centerline Corrugations in accordance with the table below:

Roadway Description	Typical Drawing Detail
Roadway with 11 feet or greater lane width and minimum of 3 feet of paved shoulder.	Detail #1
Roadway with 11 feet lane width and less than 3 feet of paved shoulder.	Detail #2

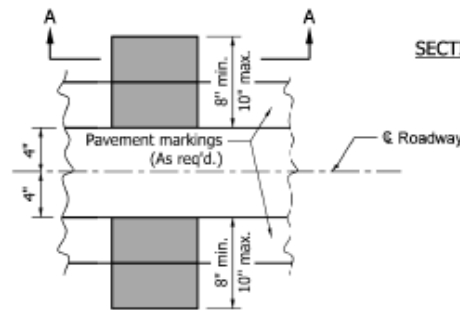
2. See Sheet 2 of 2 for corrugation placement at intersections and driveways.



SECTION A-A



Detail B



Detail A

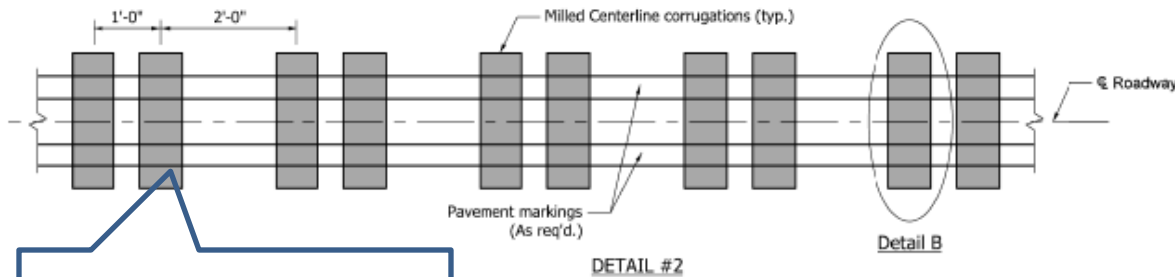
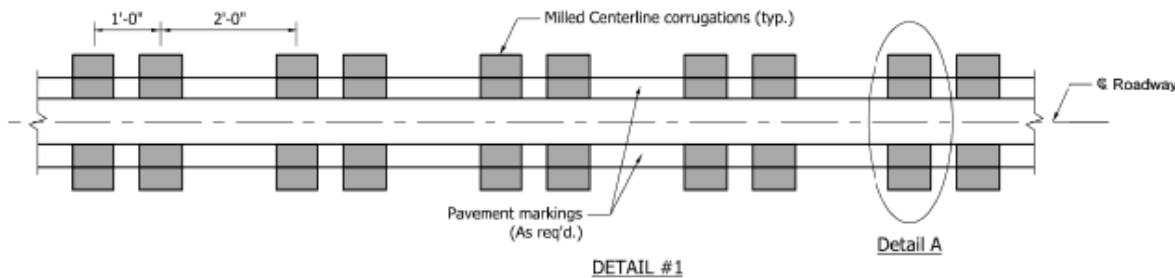
Note:

Center MCC about the Roadway Centerline.

INDIANA DEPARTMENT OF TRANSPORTATION

MILLED CENTERLINE CORRUGATIONS, MCC

INDOT Specification (Modified)

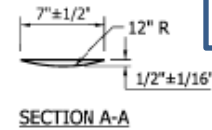


Notes

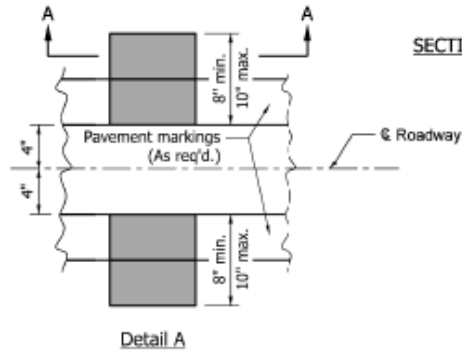
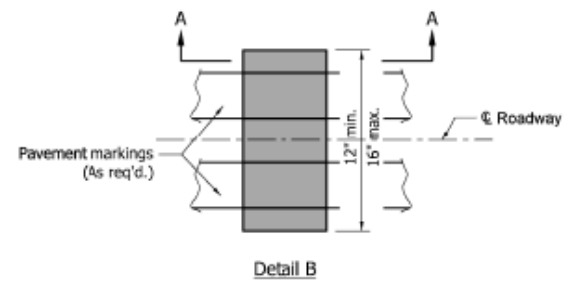
- Place Milled Centerline Corrugations in accordance with the table below:
- | Roadway Description | Typical Drawing Detail |
|---|------------------------|
| Roadway with 11 feet or greater lane width and minimum of 3 feet of paved shoulder. | Detail #1 |
| Roadway with 11 feet lane width and less than 3 feet of paved shoulder. | Detail #2 |
- See Sheet 2 of 2 for corrugation placement at intersections and driveways.

HMA Vert Asphalt Joint Adhesive

Asphalt Joint Tape Placed at Cold Joint



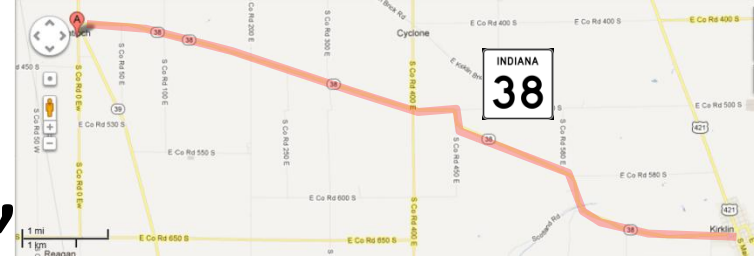
RP Emulsion "Fog Sealant" to be applied 2' Wide on CL Joint



Note:
Center MCC about the Roadway Centerline.

INDIANA DEPARTMENT OF TRANSPORTATION
MILLED CENTERLINE CORRUGATIONS, MCC

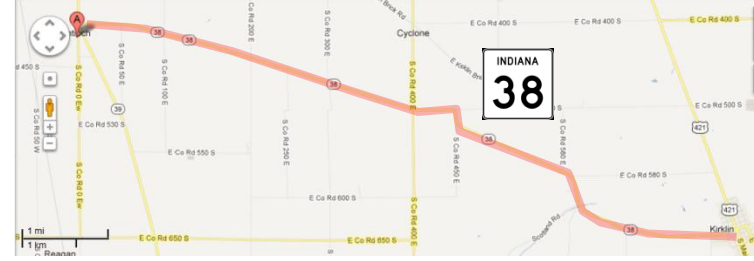
Paving May 31,



SR 38 Total Project Cost
Approx \$227,000/lane mile

Job Length
44000ft (8.3 mi)

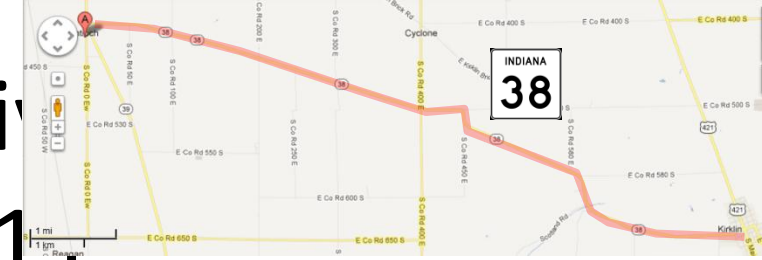
Paving May 31, 2011



SR 38 Total Project Cost
Approx \$227,000/lane mile

Job Length
44000ft (8.3 mi)

Joint Adhesion May 31, 2011

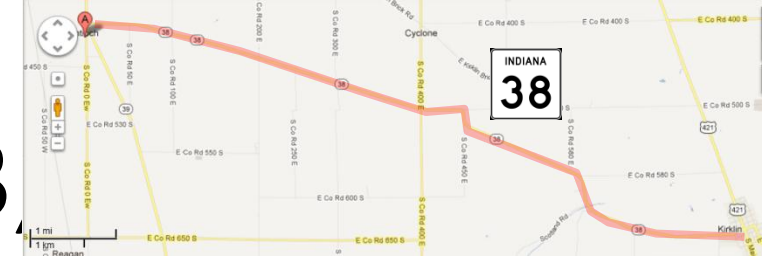


Actual SR 38 Cost per change order
\$8,000/lane mile



Expected Cost per Mike Prather
\$3,200/lane mile

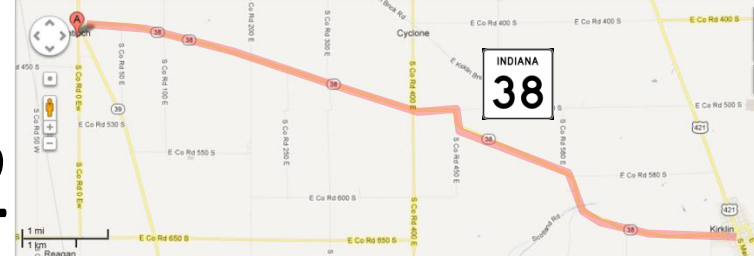
Milling June 23



Actual SR 38 Cost per change order
\$1,375/lane mile

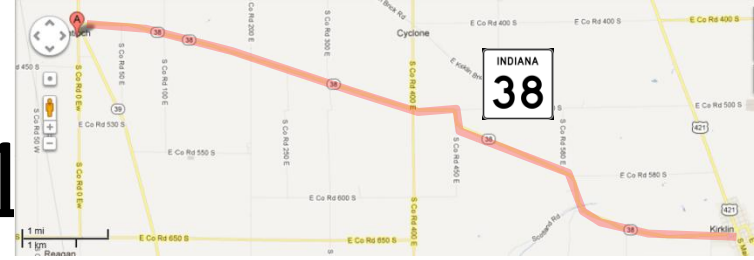
Expected Cost per National Average
\$1,585/lane mile

Sweeping June 2



Cost Included with Milling

Fog Sealing July 1



Actual SR 38 Cost per change order
\$1,500/lane mile

Expected Cost per Mike Prather
\$300/lane mile

Thermoplastic July 22, 2011



Actual SR 38 Cost per change order
\$1,640/lane mile



Expected Cost per Joe Wilson
\$1,640/lane mile

Painting July 22, 2011



Actual SR 38 Cost per change order
\$1,110/lane mile



Expected Cost per Joe Wilson
\$1,110/lane mile

Retroreflectivity

August 11 & November 10, 2011



Actual SR 38 Cost per change order
\$1,284/project



Expected Cost per Joe Wilson
\$1284/project

SR38 Questions

