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
SR38 CONSTRUCTION & CLRS APPLICATION
Construction Dates

- Paving: May 31, 2011
- Painting: July 22, 2011
- Rumbles: June 23, 2011
- Fog Seal: July 15, 2011
- Retro: August 11, 2011
1. Place Milled Centerline Corrugations in accordance with the table below:

<table>
<thead>
<tr>
<th>Roadway Description</th>
<th>Typical Drawing Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway with 11 feet or greater lane width and minimum of 3 feet of paved shoulder</td>
<td>Detail #1</td>
</tr>
<tr>
<td>Roadway with 11 feet lane width and less than 3 feet of paved shoulder</td>
<td>Detail #2</td>
</tr>
</tbody>
</table>

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

Note: Center MCC about the Roadway Centerline.
Asphalt Joint Tape
Placed at Cold Joint

HMA Vert Asphalt Joint Adhesive

RP Emulsion “Fog Sealant” to be applied 2’ Wide on CL Joint

INDOT Specification (Modified)

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

<table>
<thead>
<tr>
<th>Roadway Description</th>
<th>Typical Drawing Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roadway with 11 feet or greater lane width and minimum of 3 feet of paved shoulder.</td>
<td>Detail #1</td>
</tr>
<tr>
<td>Roadway with 11 feet lane width and less than 3 feet of paved shoulder.</td>
<td>Detail #2</td>
</tr>
</tbody>
</table>
2. See Sheet 2 of 2 for corrugation placement at intersections and driveways.

Detail #1

Detail #2

SECTION A-A

Note:
Center MCC about the Roadway Centerline.
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)
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
$1,284/project
SR38 Questions