

LOW VOLUME ROAD PROJECT REVIEW

Highway Name and Location	SH 141A, Milepost 21 to 25
Treatment Used	1.5" WMA Overlay (M Project)

2013



2014



2015



LOW VOLUME ROAD PROJECT REVIEW

2016



2017



2018



Condition before treatment

See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.1	26.1	1984	93	99	100	86	98	0	0	FATG	POOR

LOW VOLUME ROAD PROJECT REVIEW

Year of Treatment Condition Reset	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.1	26.1	1984	77	100	98	83	95	0	14	TRAN	HIGH

Condition after treatment Yr 2	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.1	26.1	2014	82	100	100	95	100	0	8	IRI	MODERATE

Condition after treatment Yr 3	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.4	25.6	2014	91	100	100	99	100	0	7	IRI	MODERATE

Condition after treatment Yr 4	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.4	25.6	2014	91	100	100	99	100	-1	7	IRI	MODERATE

Condition after treatment Yr 4	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.4	25.6	2014	91	100	100	98	99	-1	11	IRI	HIGH

Condition after treatment Yr 4	See Below:
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BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
21.4	25.6	2014	91	100	100	97	100	-1	11	IRI	HIGH

Change in DL condition documented:	Average DL increase of ~8 years.
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Treatment	Quantity	Unit	Treatment Area (SY)	Unit Cost	Cost	Calculated Cost (SY)
Hot Mix Asphalt (Patching) (Asphalt)	1,356	Ton	73,540	\$107.00	\$145,092.00	\$1.97
HMA (Gr SX) (75)(PG 64-22)	6,067	Ton	73,540	\$104.00	\$630,968.00	\$8.58
Emulsified Asphalt (Slow Setting)	3,680	Gal	73,540	\$4.65	\$17,112.00	\$0.23

Takeaways	<p>This is an M project through which Maintenance and Surface Treatment partnered together. Maintenance paid for the project, and Materials managed it. So far this year, this project is holding up well with no significant reflective cracking. Region 5 would definitely look at doing this thin mix with WMA in the future. The asphalt was an 1.5" SX (75) PG 64-22 with Zycotherm WMA. Warm mix was originally agreed upon due to the 3.5 hour haul. The WMA technology made it easy to achieve specified densities, which was an added benefit.</p>
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