

LOW VOLUME ROAD PROJECT REVIEW

Highway Name and Location	SH 67E, Milepost 117.3 to 124.8
Treatment Used	2" Mill and Fill

2015



2016



2017



LOW VOLUME ROAD PROJECT REVIEW

2018



Condition before treatment See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
117	121	1980	72	100	67	54	92	0	1	TRAN	LOW
121	123	2003	70	100	87	64	94	0	3	TRAN	LOW
123	128	1967	75	99	70	62	97	0	2	TRAN	LOW

Condition after treatment Yr 1 See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
117	122	2015	100	100	100	100	100	0	15	FATG	HIGH
122	126	2015	100	100	100	100	100	0	13	FATG	HIGH

Condition after treatment Yr 2 See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
117	122	2015	81	100	100	99	100	-1	8	IRI	MODERATE
122	126	2015	89	100	98	98	100	-1	7	IRI	MODERATE

Condition after treatment Yr 3 See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
117.3	122.3	2015	83	100	100	99	100	-1	9	IRI	MODERATE
122.3	125.6	2015	90	100	99	99	100	-1	7	IRI	MODERATE

Condition after treatment Yr 4 See Below:

BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_idx	Cond
117.3	122.3	2015	82	100	100	99	99	-1	8	IRI	MODERATE
122.3	125.6	2015	90	100	97	99	100	-1	7	IRI	MODERATE

Change in DL condition documented: Average DL increase of ~12 years.

Treatment	Quantity	Unit	Treatment Area (SY)	Unit Cost	Cost	Calculated Cost (SY)
Rem of Asphalt Mat (Planing)	117,924	SY	117,924	\$2.00	\$235,848.00	\$2.00
HMA (Gr SX) (75)(PG 64-28) (2")	13,620	Ton	117,924	\$105.00	\$1,430,100.00	\$12.13
Emulsified Asphalt (Slow Setting)	11,792	Gal	117,924	\$2.65	\$31,248.80	\$0.26

Takeaways
 Portions of this project are Low Volume and portions are Medium Volume. Looks very good after having just been placed, there may eventually be some raveling along the edges as safety edge was not able to be installed in all locations. Challenges included steep grades and hairpin turns, very narrow section in spots (<20' wide) with no shoulders. Four years later, this project is holding up well.