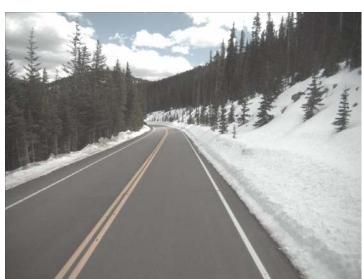
LOW VOLUME ROAD PROJECT REVIEW

Highway Name and Location	SH 103A, Milepost 18.0 - 22.5
Treatment Used	4" Thick Cold-in-Place overlaid with 2" HMA.



2014



2015



2016

05.03.2017 PG. 1

LOW VOLUME ROAD PROJECT REVIEW

2017

2018

Condition before treatment						See Belo	:wc				
BMP	Emp	Year	lri	Rut	Fatg	Tran	Long	Crbk	DL	DL_ldx	Cond
16.5	21.5	1982	91	100	99	81	99	0	0	FATG	POOR-0
21.5	22.5	1982	92	100	100	89	98	0	0	FATG	POOR-0
Condit	Condition after treatment Yr 1						See Below:				
BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_ldx	Cond
18.3	22.5	2013	100	100	100	100	100	0	18	RUT	HIGH
Condit	ion afte	r treatm	nent Yr	2		See Belo	ow:				
BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_ldx	Cond
18.3	22.5	2013	85	100	100	99	100	0	7	IRI	MODERATE
Condit	ion afte	r treatm	nent Yr	3		See Below:					
	_	V	Iri	Rut	Fatq	Tran	Long	Crbk	DL	DL_ldx	Cond
BMP	Emp	rear	11.1	· · · ·	5						
18.3	MP Emp Year Iri Rut 3.3 22.5 2013 85 100 Indition after treatment Yr 3 MP Emp Year Iri Rut MP Emp Year Iri Rut					97	100	0	8	IRI	MODERATE
18.3	22.5		89	97	100	97 See Beld		0	8	IRI	MODERATE
18.3	22.5	2013	89	97				0 Crbk	8 DL	IRI DL_ldx	MODERATE Cond
18.3 Condit	22.5 ion afte	2013 r treatm	89 nent Yr	97	100	See Belo	ow:			•	
18.3 Condit BMP 18.3	22.5 ion afte Emp 22.5	2013 r treatm Year	89 nent Yr Iri 88	97 4 Rut 100	100 Fatg	See Belo	Long	Crbk	DL	DL_ldx	Cond
18.3 Condit BMP 18.3	22.5 ion afte Emp 22.5	2013 r treatm Year 2013	89 nent Yr Iri 88	97 4 Rut 100	100 Fatg	See Belo Tran 94	Long	Crbk	DL	DL_ldx	Cond
18.3 Condit BMP 18.3 Condit	22.5 ion afte Emp 22.5 ion afte	2013 r treatm Year 2013 r treatm	89 nent Yr Iri 88 nent Yr	97 4 Rut 100	100 Fatg 100	Tran 94 See Beld	Long 100 DW:	Crbk -1	DL 10	DL_ldx IRI	Cond MODERATE

05.03.2017 PG. 2

LOW VOLUME ROAD PROJECT REVIEW

Condition after treatment Yr 4						See Belo)W:						
BMP	Emp	Year	Iri	Rut	Fatg	Tran	Long	Crbk	DL	DL_ldx	Cond		
18.3	22.5	2013	90	100	100	86	100	-1	6	TRAN	MODERATE		
Change in DL condition						Average	e DL ind	crease (of ~1	8 years.			
docur	nented	:											
Treatment			Q	uantity	Unit Treatment Area (SY)		ea	Unit Cos	t Cost		Calculated Cost (SY)		
Hydrated Lime				263	Ton 79,709			\$335.00 \$88,105.		.00	\$1.11		
ΔМН	CIR (4" depth) HMA (Gr SX) (75)(PG 58-28)			79,709	SY	7	79,709			\$458,326	.75	\$5.75	
1111111	٠, ,	(73)(1 6	30 20)		7,625	Ton	ϵ	9,311		\$74.50	\$568,062	.50	\$8.20
	Emulsified Asphalt (CSS-1)		1	15,578	Gal	7	79,709		\$3.10	\$358,291	.80	\$4.50	
LIII	Emulsified Asphalt (Slow Setting)			3,467	Gal	34,670			\$2.00	\$6,934.	00	\$0.20	
Takea	iways					Seeing some cracking, which is disconcerting regarding the							
						additional level of treatment (cold in place recycle); however,							
					condition in recycled area is slightly improved over the mill and								
overlay section lower down the road. Maintenance										•			
	spot surface seals on this road. After 4 years of perfomance												
						regular	ly-spac	ed tran	svers	se cracks h	nave occurred	throu	ighout the
						project	. These	e modei	ate	severity tr	ansverse crac	ks are	most
	likely caused by environmental freeze-thaw factors. These											nese	
						cracks	appear	to be I	ess s	evere thar	n the section o	of 103	A from
MP 13-18. This site is a prime candidate for a maintenance crack										nce crack			
seal, which may add an additional 5 years of DL.													

05.03.2017 PG. 3