

EXPERIMENTAL PROJECT DATA SHEET

NAME: Fort Benton-North & South
 NUMBER: NH 10-2(20)20
 YEAR: 1997

Location	Treatment	# of Cracks		Ruts (mm)				Picture #	Comments
		150' N	150' S	NB		SB			
				OWP	IWP	IWP	OWP		
mp 43	0.15' Grade D PMBS	2	1	2	2	2	2	4	1 most transverse cracks are full length, slight flushing
mp 42.5	0.15' Grade D PMBS	1	2	5	2	2	1		2 most transverse cracks are full length, slight flushing
mp 42	0.15' Grade D PMBS	1	2	2	1	2	1		3 most transverse cracks are full length, slight flushing
mp 41.5	0.15' Grade D PMBS	1	1	2	1	1	2		4 most transverse cracks are full length, slight flushing
mp 41	0.15' Grade D PMBS	3	1	6	4	2	4		5 most transverse cracks are full length, slight flushing
mp 39	0.15' Grade D PMBS	6	2	4	7	0	1		6 most transverse cracks are full length, slight flushing
mp 38.5	0.15' Grade D PMBS	4	6	3	1	2	3		7 most transverse cracks are full length, slight flushing
mp 38	0.15' Grade D PMBS	6	7	3	3	1	5		8 most transverse cracks are full length, slight flushing
mp 37	0.25' CIPR, 0.35' Grade D PMBS	1	2	4	3	1	6		9 All transverse cracks are full length, slight flushing
mp 35	0.25' CIPR, 0.35' Grade D PMBS	2	1	4	1	2	4		10 All transverse cracks are full length, slight flushing
mp 33	0.25' CIPR, 0.35' Grade D PMBS	1	2	3	1	1	2		11 All transverse cracks are full length, slight flushing
mp 31	0.25' CIPR, 0.35' Grade D PMBS	2	1	3	1	2	4		12 All transverse cracks are full length, slight flushing
mp 29	0.25' CIPR, 0.35' Grade D PMBS	1	3	3	0	1	4		13 All transverse cracks are full length, slight flushing
mp 27	0.25' CIPR, 0.35' Grade D PMBS	2	2	1	4	4	1		14 All transverse cracks are full length, slight flushing
mp 25	0.25' CIPR, 0.35' Grade D PMBS	1	2	5	2	3	5		15 All transverse cracks are full length, slight to moderate flushing
mp 23	0.25' CIPR, 0.35' Grade D PMBS	4	4	2	1	3	6		16 All transverse cracks are full length, slight flushing
mp 21	0.25' CIPR, 0.35' Grade D PMBS	1	3	5	2	2	5		17 most transverse cracks are full length, slight flushing

0.15' Grade D PMBS							
	Avg		3.38	2.63	1.5	2.63	
	Std		1.41	2.07	0.76	1.49	
0.25' CIPR, 0.35' Grade D PMBS							
	Avg		3.33	1.67	2.11	4.11	
	Std		1.25	1.22	1.05	1.59	

0.15' Grade D PMBS			
	# of Cracks/Mile	101.2	
	Std	2.12	
0.25' CIPR, 0.35' Grade D PMBS			
	#Cracks/Mile	68.44	
	Std	0.9702	

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 NUMBER: NH 10-2(20)20
 YEAR: 1998

Location	Treatment	# of Cracks				Ruts (mm)				Picture #	Comments
		150' N		150' S		NB		SB			
		OWP	IWP	IWP	OWP	IWP	OWP	IWP	OWP		
mp 43	0.15' Grade D PMBS	2	4	4	4	2				3	1 cracks were sealed, slight flushing in wheel paths
mp 42.5	0.15' Grade D PMBS	5	4	4	3	3				2	2 cracks were sealed, longitudinal cracks, slight flushing in wheel paths
mp 42	0.15' Grade D PMBS	7	8	2	2	3				2	3 cracks were sealed, longitudinal cracks, slight flushing in wheel paths
mp 41.5	0.15' Grade D PMBS	5	3	4	2	2				3	4 cracks were sealed, longitudinal cracks, slight flushing in wheel paths
mp 41	0.15' Grade D PMBS	7	3	5	4	2				4	5 most cracks were sealed, longitudinal cracks, slight flushing in wheel paths
mp 39	0.15' Grade D PMBS	10	2	5	6	1				1	6 cracks are not sealed, longitudinal cracks, very slight flushing in wheel paths
mp 38.5	0.15' Grade D PMBS	8	4	3	3	3				4	7 cracks are not sealed, very slight flushing in wheel paths
mp 38	0.15' Grade D PMBS	4	5	3	3	2				4	8 cracks are not sealed, very slight flushing in wheel paths
mp 37	0.25' CIPR, 0.35' Grade D PMBS	1	2	4	3	3				6	9 cracks are not sealed, very slight flushing in wheel paths
mp 35	0.25' CIPR, 0.35' Grade D PMBS	2	2	5	3	4				4	10 cracks are not sealed, very slight flushing in wheel paths
mp 33	0.25' CIPR, 0.35' Grade D PMBS	1	1	4	2	2				3	11 cracks are not sealed, very slight flushing in wheel paths
mp 31	0.25' CIPR, 0.35' Grade D PMBS	2	1	3	2	3				5	12 cracks are not sealed, very slight flushing in wheel paths
mp 29	0.25' CIPR, 0.35' Grade D PMBS	1	4	4	1	3				4	13 cracks are not sealed, very slight flushing in wheel paths
mp 27	0.25' CIPR, 0.35' Grade D PMBS	2	3	3	5	5				1	14 cracks are not sealed, slight flushing in wheel paths
mp 25	0.25' CIPR, 0.35' Grade D PMBS	3	3	6	4	3				4	15 cracks are not sealed, very slight flushing in wheel paths
mp 23	0.25' CIPR, 0.35' Grade D PMBS	4	4	2	2	4				6	16 cracks are not sealed, very slight flushing in wheel paths
mp 21	0.25' CIPR, 0.35' Grade D PMBS	1	5	6	3	2				5	17 cracks are not sealed, very slight flushing in wheel paths

0.15' Grade D PMBS		Avg				Std			
		3.75	3.38	2.25	2.88				
		0.97	1.3	0.71	1.05				
0.25' CIPR, 0.35' Grade D PMBS		Avg				Std			
		4.11	2.78	3.22	4.22				
		1.29	1.2	0.97	1.47				

0.15' Grade D PMBS		# of Cracks/Mile
		178.2
0.25' CIPR, 0.35' Grade D PMBS		#Cracks/Mile
		82.13
		Std
		2.25
		1.2472

EXPERIMENTAL PROJECT DATA SHEET

NAME: Fort Benton-North & South
 NUMBER: NH 10-2(20)20
 YEAR: 1999

Location	Treatment	300' Section				Picture #	Comments	
		# of Cracks		Ruts (mm)				
		NB	SB	NB	SB			
		OWP	IWP	IWP	OWP			
mp 43	0.15' Grade D PMBS	2.3	2.3	5.0	4.0	5.0	4.0	1 snow plow chatter
mp 42.5	0.15' Grade D PMBS	3.3	4.0	1.0	4.0	2.0	5.0	2 75'sealed longitudinal cracking, cracks sealed
mp 42	0.15' Grade D PMBS	5.0	6.0	3.0	2.0	2.0	4.0	3 small longitudinal cracking, cracks sealed
mp 41.5	0.15' Grade D PMBS	3.0	3.0	5.0	3.0	2.0	3.0	4 cracks sealed
mp 41	0.15' Grade D PMBS	2.0	3.5	5.0	3.0	4.0	5.0	5 cracks sealed
mp 39	0.15' Grade D PMBS	4.5	4.0	2.0	0.0	9.0	5.0	6 cracks not sealed
mp 38.5	0.15' Grade D PMBS	5.5	4.0	5.0	3.0	3.0	4.0	7 cracks not sealed
mp 38	0.15' Grade D PMBS	7.3	8.0	6.0	0.0	4.0	4.0	8 Cracks not sealed, several fine cracks <1/8'
mp 37	0.25' CIPR, 0.35' Grade D PMBS	3.8	3.0	8.0	1.0	5.0	5.0	9 Cracks not sealed
mp 35	0.25' CIPR, 0.35' Grade D PMBS	3.0	3.0	5.0	3.0	3.0	5.0	10 Cracks not sealed, slight flushing
mp 33	0.25' CIPR, 0.35' Grade D PMBS	2.0	2.0	5.0	3.0	4.0	5.0	11 Cracks not sealed
mp 31	0.25' CIPR, 0.35' Grade D PMBS	3.0	3.0	6.0	5.0	3.0	5.0	12 Cacks not sealed
mp 29	0.25' CIPR, 0.35' Grade D PMBS	4.0	4.0	5.0	1.0	3.0	4.0	13
mp 27	0.25' CIPR, 0.35' Grade D PMBS	5.0	5.0	2.0	5.0	5.0	4.0	14 All but one crack is > 1/4"
mp 25	0.25' CIPR, 0.35' Grade D PMBS	3.3	3.3	6.0	4.0	4.0	7.0	15 One 59' longitudinal Crack. One Full length transverse crack >1/4"
mp 23	0.25' CIPR, 0.35' Grade D PMBS	6.0	6.0	7.0	2.0	3.0	3.0	16 3 cracks > 1/4"
mp 21	0.25' CIPR, 0.35' Grade D PMBS	2.0	2.0	7.0	4.0	4.0	6.0	17 1 crack > 1/4"

		Ruts (mm)				
		NB		SB		
		OWP	IWP	IWP	OWP	
0.15' Grade D						
PMBS	Avg		4.0	2.4	3.9	4.3
	Std		1.7	1.6	2.4	0.7
0.25' CIPR, 0.35' Grade D						
PMBS	Avg		5.7	3.1	3.8	4.9
	Std		1.6	1.5	0.8	1.1
		NB	SB			
0.15' Grade D						
PMBS	# of Cracks/Mile	144.1	152.9			
	Std	1.7	1.7			
0.25' CIPR, 0.35' Grade D						
PMBS	#Cracks/Mile	125.2	122.2			
	Std	1.2	1.2			

****Split Crack Counts By lane

EXPERIMENTAL PROJECT DATA SHEET

NAME: Fort Benton-North & South
 NUMBER: NH 10-2(20)20
 YEAR: 2000

Location	Treatment	300' sections				Picture #	Comments	
		# of Cracks		Ruts (mm)				
		NB	NB	NB	SB			
		OWP	IWP	IWP	OWP			
mp 43	0.15' Grade D PMBS	2.6	2.2	5	5	5	6	
mp 42.5	0.15' Grade D PMBS	3.8	3	5	5	5	6	
mp 42	0.15' Grade D PMBS	6	4	4	4	4	5	
mp 41.5	0.15' Grade D PMBS	3	3.4	5	4	4	5	
mp 41	0.15' Grade D PMBS	2.8	2.1	7	6	6	8	
mp 39	0.15' Grade D PMBS	6	6	3	2	12	6	
mp 38.5	0.15' Grade D PMBS	7	9	6	5	4	7	
mp 38	0.15' Grade D PMBS	11	11	8	4	5	6	
mp 37	0.25' CIPR, 0.35' Grade D PMBS	3	3	9	5	7	7	
mp 35	0.25' CIPR, 0.35' Grade D PMBS	3.5	3	6	5	5	7	
mp 33	0.25' CIPR, 0.35' Grade D PMBS	2	2	5	5	5	6	
mp 31	0.25' CIPR, 0.35' Grade D PMBS	3	3	8	5	4	6	
mp 29	0.25' CIPR, 0.35' Grade D PMBS	3	3	7	4	4	6	
mp 27	0.25' CIPR, 0.35' Grade D PMBS	5	5	4	6	7	6	
mp 25	0.25' CIPR, 0.35' Grade D PMBS	3	3.2	7	5	7	8	
mp 23	0.25' CIPR, 0.35' Grade D PMBS	6	6	10	7	4	5	
mp 21	0.25' CIPR, 0.35' Grade D PMBS	2	2	9	6	4	8	
0.15' Grade D								
PMBS	Avg			5.4	4.9	5.4	6.1	
	Std			1.5	1.1	2.0	0.9	
0.25' CIPR, 0.35' Grade D								
PMBS	Avg			7.2	5.3	5.2	6.6	
	Std			1.9	0.9	1.4	1.0	
0.15' Grade D								
PMBS		182.4						
	Std	2.9						
0.25' CIPR, 0.35' Grade D								
PMBS	#Cracks/Mile	118.7						
	Std	1.2						

EXPERIMENTAL PROJECT DATA SHEET

NAME: Fort Benton-North & South
 NUMBER: NH 10-2(20)20
 YEAR: 2001

Location	Treatment	300' sections				Picture #	Comments
		# of Cracks		Ruts (mm)			
		NB	NB	NB	SB		
		OWP	IWP	IWP	OWP		
mp 43	0.15' Grade D PMBS	2	2.5	7	8	5	7
mp 42.5	0.15' Grade D PMBS	3.3	4.2	8	7	4	5
mp 42	0.15' Grade D PMBS	4.7	5.6	6	5	5	6
mp 41.5	0.15' Grade D PMBS	3.1	3.5	6	4	4	7
mp 41	0.15' Grade D PMBS	2	2.7	8	6	6	8
mp 39	0.15' Grade D PMBS	6.2	5.6	6	7	2	5
mp 38.5	0.15' Grade D PMBS	9.4	7.7	4	5	5	8
mp 38	0.15' Grade D PMBS	11.5	9.9	7	5	3	7
mp 37	0.25' CIPR, 0.35' Grade D PMBS	3.2	3	8	7	5	10
mp 35	0.25' CIPR, 0.35' Grade D PMBS	2	2	7	5	6	6
mp 33	0.25' CIPR, 0.35' Grade D PMBS	2	2	7	5	6	5
mp 31	0.25' CIPR, 0.35' Grade D PMBS	3	3	7	5	6	8
mp 29	0.25' CIPR, 0.35' Grade D PMBS	4	4	7	5	5	7
mp 27	0.25' CIPR, 0.35' Grade D PMBS	5	5	5	8	7	6
mp 25	0.25' CIPR, 0.35' Grade D PMBS	3.5	3	10	7	5	8
mp 23	0.25' CIPR, 0.35' Grade D PMBS	6	7	6	5	8	7
mp 21	0.25' CIPR, 0.35' Grade D PMBS	2	2	10	6	7	8
0.15' Grade D							
PMBS	Avg			6.5	5.9	4.3	6.6
	Std			1.2	1.4	1.3	1.1
0.25' CIPR, 0.35' Grade D							
PMBS	Avg			7.4	5.9	6.1	7.2
	Std			1.6	1.2	1.1	1.4
0.15' Grade D							
PMBS	# of Cracks/Mile	184.6					
	Std	2.9					
0.25' CIPR, 0.35' Grade D							
PMBS	#Cracks/Mile	120.7					
	Std	1.5					