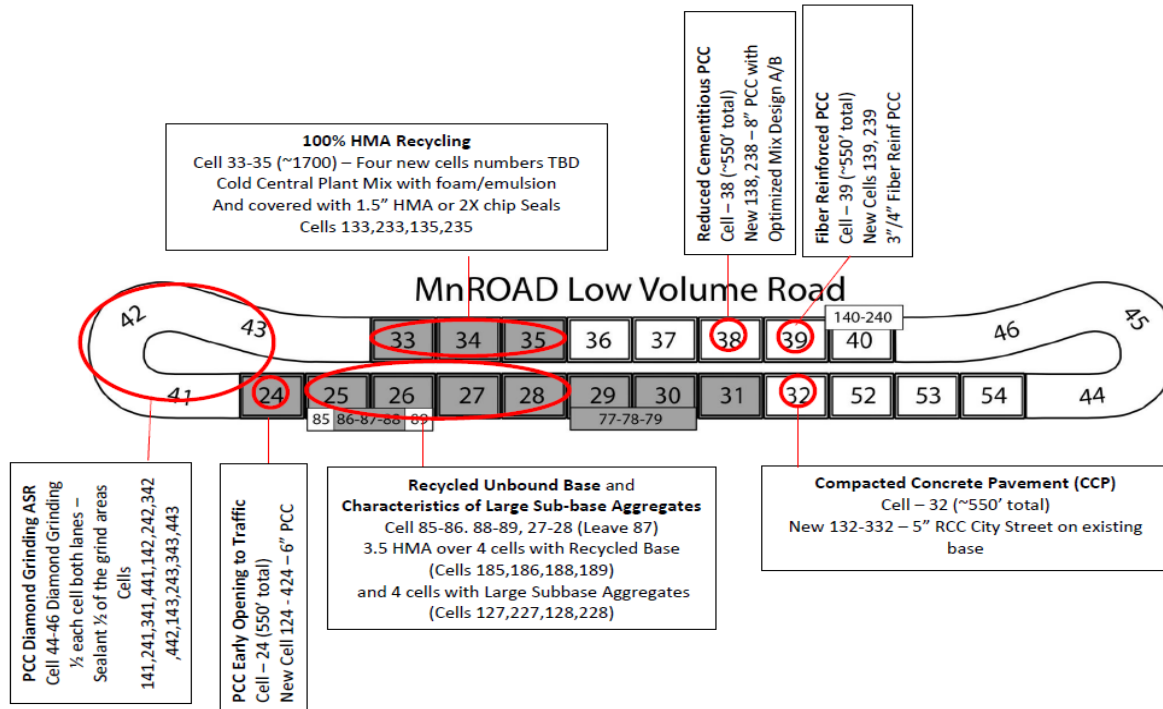


# 2017 MnROAD-NRRA CONSTRUCTION

## Low Volume Road



Cold Central Plant Recycling (CCPR)							Reduced Cementitious PCC			PCC Early Traffic Opening	
Original	Original	Original	New	New	New	New	Original	New	New	Original	New
33	34	35	133	233	135	235	38	138	238	24	124 - 424
4" 58-34 PPA	4" 58-34 SBS+PPA	4" 58-34 SBS	2X Chip 4" CCPR (Emulsion)	2X Chip 4" CCPR (Foam)	1.5" HMA 4" CCPR (Foam)	1.5" HMA 4" CCPR (Emulsion)	6" Trans Tined 15'Lx12'W 1" dowel	8" PCC w/ Optimized Mix Design A 15'Lx12'W 1" dowel	8" PCC w/ Optimized Mix Design B 15'Lx12'W 1" dowel	3" 58-34	6" PCC 15'Lx12'W 1" dowel
12" Class 6	12" Class 6	12" Class 6	12" Class 6	12" Class 6	12" Class 6	12" Class 6	5" Class 5	5" Class 5	5" Class 5	4" Class 6	6" Class 6
Clay	Clay	Clay	Clay 1" Double Chip Seal	Clay 1" Double Chip Seal	Clay 1.5" HMA Overlay	Clay 1.5" HMA Overlay	Clay	Clay	Clay	Sand 100' Fog Seals 2008-2012	Sand
Sep 07	Sep 07	Sep 07	2017	2017	2017	2017	Jul 93	2017	2017	Oct 08	2017
500	499	499	425	425	425	437	480	257.5	260	507	507
71			132				67			41	

Fiber Reinforced PCC			Recycled Unbound Base							
Original	New	New	Original	Original	Original	Original	New	New	New	New
39	139	239	85	86	88	89	185	186	188	189
4" Perv Overlay	3" Fiber Reinf PCC	4" Fiber Reinf PCC	7" Pervious PCC	5" Porous HMA	5" Porous HMA	7" Pervious PCC	3.5" HMA	3.5" HMA	3.5" HMA	3.5" HMA
6" 20'Lx12'W 1" dowel	6" Class 5	6" Class 5	4" RR Ballast	4" RR Ballast	4" RR Ballast	4" RR Ballast	12" Coarse RCA	12" Fine RCA	12" Limestone Aggregate Class 6	12" Recycled Aggregate Base Class 6
5" Class 5	4" Common Borrow	4" Common Borrow	8" CA-15	10" CA-15	10" CA-15	8" CA-15	3.5" Select Granular Borrow	3.5" Select Granular Borrow	3.5" Select Granular Borrow	3.5" Select Granular Borrow
Clay	Clay	Clay	Type V Geo-Textile	Type V Geo-Textile	Type V Geo-Textile	Type V Geo-Textile	Sand	Sand	Clay	Clay
Oct 08	2017	2017	Oct 08	Oct 08	Oct 08	Oct 08	2017	2017	2017	2017
440	280	285	216	235	225	217	216	235	225	217
67			43							

Large Subbase Aggregate			Large Subbase Aggregate			Compacted Concrete Pavement (CCP)			PCC Diamond Grinding ASR	
Original	New	New	Original	New	New	Original	New	New	Original	New
27	127	227	28	128	228	32	132	232	41 - 43	141-143, 241-243, 341-343, 441-443
2" 52-34	3.5" HMA	3.5" HMA	6" SFDR Chip Seal	3.5" HMA	3.5" HMA	5" Astro Turf 10Lx12'W	5" CCP w/ Fibers	5" CCP	5" CCP	Refer to the note below
2" 58-34	6" Class 6	6" Class 6	2012 Spot Repairs Fog Seal	6" Class 6	6" Class 5Q	Class 1f	7" Class 5Q	7" Class 5Q	7" Class 5Q	
6" Class 5	18" Large Aggregate Subbase 1 lift	18" Large Aggregate Subbase 2 lifts	4" Class 5	9" Large Aggregate Subbase	9" Large Aggregate Subbase	6" Class 1c	20'Lx12'W Unsealed Joints	20'Lx12'W Unsealed Joints	12'Lx12'W Unsealed Joints	
G CBD	Clay	Clay	2009 Chip Seal	Clay	Clay	Clay	Clay	Clay	Clay	
2009 Chip Seal			7" Clay Borrow							
7" Clay Borrow			Clay							
Clay										
Aug 06	2017	2017	Sep 11	2017	2017	Jun 00	2017	2017	Jul 93	2017
499	282.5	285	500	285	285	460	150	150	170	
68			65			0				

Note: Plan view for Cells 141 - 443

Cell	141	241	341	441	142	242	342	442	143	243	343	443
Outside Lane	No Work	Sealer	Diamond grind (0.25" removal) Sealer	Diamond grind (0.25" removal)	Diamond grind (0.25" removal)	Diamond grind (0.25" removal) Sealer	Sealer	No Work	Diamond grind (0.25" removal)	Diamond grind (0.25" removal) Sealer	Sealer	No Work
Inside Lane	No Work	Sealer	Diamond grind (0.25" removal) Sealer	Diamond grind (0.25" removal)	Diamond grind (0.25" removal)	Diamond grind (0.25" removal) Sealer	Sealer	No Work	Diamond grind (0.25" removal)	Diamond grind (0.25" removal) Sealer	Sealer	No Work