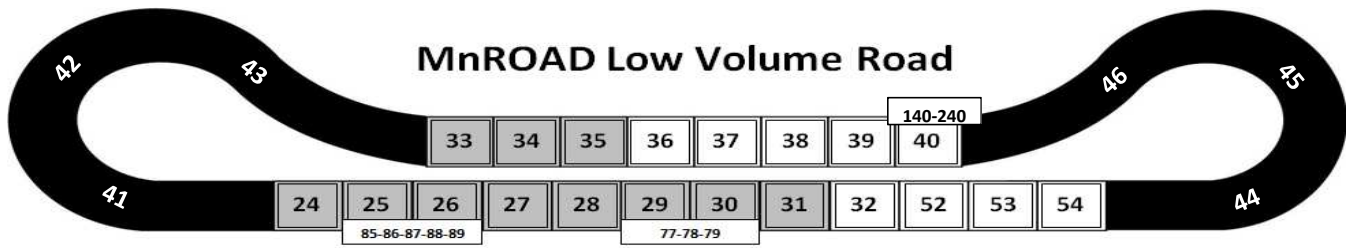


MnROAD Low Volume Road



West Loop			North Side Cells						East Loop					
ASR Concrete Testing (West Loop)			Acid Modified			Original PCC			Pervious Overlay	Unbonded Concrete Overlay		ASR Concrete Testing (East Loop)		
41	42	43	33	34	35	36	37	38	39	140	240	46	45	44
12" Trans Tined 12x15 1" Dowels	12" Trans Tined 12x15 1" Dowels	12" Trans Tined 12x15 1" Dowels	4" 58-34 PPA 12" Class 6	4" 58-34 SBS+PPA 12" Class 6	4" 58-34 SBS 12" Class 6	6" Trans Tined 15x12 1" dowel 5" Class 5 Sand	6" Trans Tined 12x12 5" Class 5 Sand 2007 PCC Grind Strips	6" Trans Tined 15x12 1" dowel 5" Class 5 Clay	4" Perv Overlay 6" 20x12 1" dowel 5" Class 5 Clay	3" Long Tined 5x6 thin fabric 5.5"-7.0" Trans Tined 15x12 5" Class 5	3" Long Tined 5x6 reg fabric 5.5"-7.0" Trans Tined 15x12 5" Class 5	12" Trans Tined 12x15 1" Dowels Clay	12" Trans Tined 12x15 1" Dowels Clay	12" Trans Tined 12x15 1" Dowels Clay
Jul 93	Jul 93	Jul 93	Sep 07 500	Sep 07 499	Sep 07 499	Jul 93 480	Jul-93 504	Jul 93 480	Oct 08 440	Jul 13 225	Jul 13 234	Jul 93	Jul 93	Jul 93
			71	54	132	41	42	67	67	0				

Aging Study	Pervious & Porous Pavements					GCBF Fabric	Stabilized Full Depth Reclamation				Mesabi Rock	Concrete Initiatives		Mesabi Rock		
	24	85	86	87	88	89	27	28	77	78	79	31	32	52	53	54
3" 58-34 4" Class 6 Sand 100' Fog Seals 2008-2012	7" Pervious PCC 4" RR Ballast 8" CA-15 Type V Geo-Textile Sand	5" Porous HMA 4" RR Ballast 10" CA-15 Type V Geo-Textile Sand	4" Control 4" Mesabi Ballast 11" CA-15 Type V Geo-Textile Clay Sand	5" Porous HMA 4" RR Ballast 10" CA-15 Type V Geo-Textile Clay	7" Pervious PCC 4" RR Ballast CA-15 Type V Geo-Textile Clay	2" 52-34 2" 58-34 6" Class 5 GCBF 2009 Chip Seal 7" Clay Borrow Clay	6" SFDR + Chip Seal 4" Class 5 7" Clay Borrow Clay	4" 58-34 Elvaloy + PPA 8" FDR Clay	4" 58-34 Elvaloy + PPA 8" Class 6 Clay	4" 58-34 Elvaloy + PPA 8" FDR + Fly Ash Clay	4" 64-34 4" Class 5 12" Class 3 Clay	5" Astro Turf 10x12 Class 1f 6" Class 1c Clay	7.5" Astro Turf 15x13/14 Var Dowels 5" Class 4 Clay	12" Trans Broom 15x12 1.5" SS dowels PCC Shld 5" Class 5 36" SG Clay	7.5" Astro Turf 15'x12' 1" dowel 12" Class 6 Clay	
Oct 08 507	Oct 08 216	Oct 08 235	Oct 08 225	Oct 08 225	Oct 08 217	Aug 06 499	Sep 11 500	Oct 07 286	Oct 07 365	Sep 07 325	Sep 04 500	Jun 00 460	Jun 00 285	Oct 08 118	Oct 04 194	
	41	0	0	0	0	43	68	65	49	49	70	30	0	0	0	x

Located at the MnROAD Site - not on LVR

Porous Pavements			Implements of Husbandry	
64	64b	74	83	84
7" Pervious PCC 12" CA-15 Type V Geo-Textile Clay	6" Pervious Precast PCC 1" Class 6 12" CA-15 Type V Geo-Textile Clay	4" Pervious PCC 6" Washed Stone Type V Geo-Textile Clay	3.5" 58-34 8" Class 5 Clay	5.5" 58-34 9" Class 5 Clay
2007 15x60	Oct 2011 15x15	Aug 06 60	Oct 07 450	Oct 07 450
Parking Lot		Sidewalk	Stockpile Area	

* All thicknesses shown as design thickness