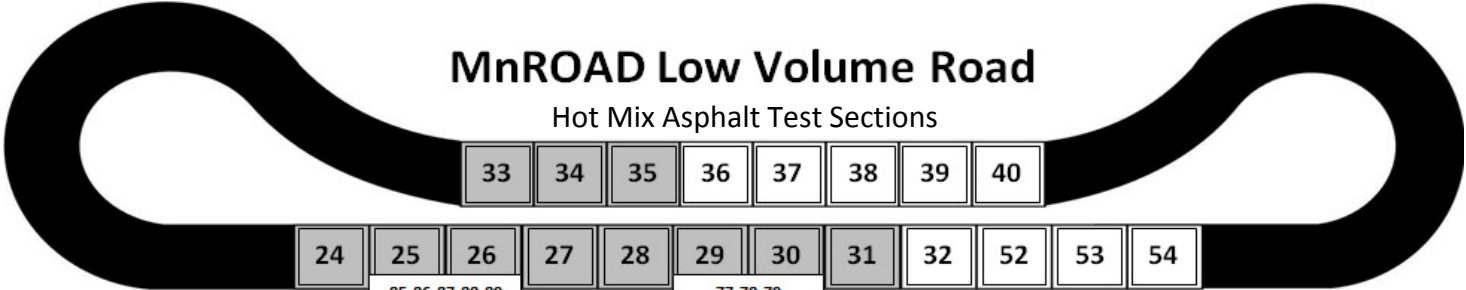


MnROAD Low Volume Road

Hot Mix Asphalt Test Sections



	24	25	26	26	26	27	27	27	27	28	28	28	29	30
Layer Depth (Inches)	3.1" 4" Sand	5.2" Sand	5.9" Clay	2.3" 8" Clay	4" 12" Clay	3.3" 11" Clay	1" 14" Clay	2.5" 14" Clay	4" 6" Class 5 GCBD Clay	3.2" 13" Clay	2.1" 14" Clay	4" 6" Class 5 Clay	5.1" 10" Clay	5.1" 12" Clay
Asphalt Binder	120/150	120/150	120/150	Oil	n/a	120/150	Double	Oil		120/150	Oil		120/150	120/150
Binder PG Grade	58-28	58-28	58-28	Gravel	58-28	58-28	Chip	Gravel	52-34	58-28	Gravel	52-34	58-28	58-28
Design Method	35	50	50		Gyratory	50	Seal		Gyr-60	35		Gyr-60	50	75
Subgrade "R" Value	70	70	12	12	12	12	12	12	12	12	12	12	12	12
Construction Date	Aug-93	Aug-93	Aug-93	Sep-00	May-04	Aug-93	Aug-99	Sep-00	Aug-06	Aug-93	Aug-99	Aug-06	Aug-93	Aug-93

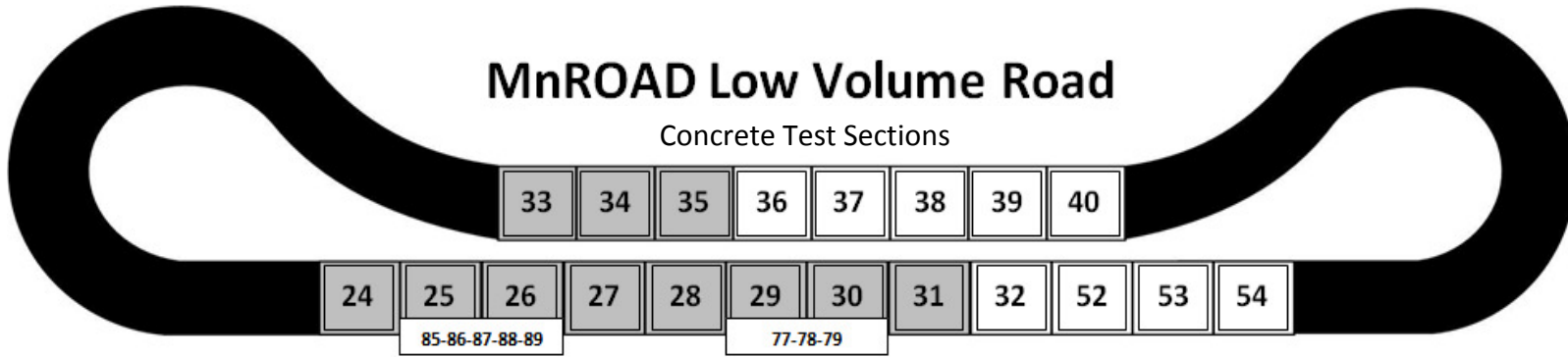
	31	31	33	33	34	34	34	35
Layer Depth (Inches)	3.3" 4" 12" Clay	4" 4" 12" Clay	6" 6" Clay	4" 12" Clay	6" 6" Clay	3.9" 12" Clay	6" 6" Clay	3.9" 12" Clay
Binder PG Grade	58-28	64-34	n/a	58-28	n/a	58-34	n/a	58-40
Design Method	75	Gyratory	n/a	Gyratory	n/a	Gyratory	n/a	Gyratory
Subgrade "R" Value	12	12	12	12	12	12	12	12
Construction Date	Aug-93	Sep-04	Sep-96	Aug-99	Sep-96	Aug-99	Sep-96	Aug-99

Material Legend	
Surface Materials	Base Materials
Hot Mix Asphalt	Class-3 Sp.
Concrete	Class-4 Sp.
Oil Gravel	Class-5 Sp.
Double Chip Seal	Class-6 Sp.
PSAB	Reclaimed HMA
	Crushed Stone
	Class 1
	Class 1c
	Class 1f

2005 Flexible Slurry

MnROAD Low Volume Road

Concrete Test Sections



	36	37	38	39	40	32	32	52	53	54	54
Layer Depth (Inches)	6.4" 5" Sand	6.4" 12" Sand	6.4" 5" Clay	6.4" 5" Clay	6.3" 7.6" 5" Clay	6" 6" Clay	5" 1" 6" Clay	7.5" 5" Clay	7.5" 5" Clay	4" 60" Culverts Clay	7.5" 12" Clay
Panel Width	12'	12'	12'	12'	12'	Gravel	12'	13'/14'	13'/14'		12'
Panel Length	15'	12'	15'	20'	15'	Section	10'	15'	15'		15'
Dowel Bar Diameter	1"	none	1"	1"	none	--	none	Varies	none		1"
Subgrade "R" Value	70	70	12	12	12	12	12	12	12	12	12
Construction Date	Jul-93	Jul-93	Jul-93	Jul-93	Jul-93	Sep-98	Jun-00	Jun-00	Jun-00	Oct-00	Oct-04

Material Legend	
Surface Materials	Base Materials
Hot Mix Asphalt	Class-3 Sp.
Concrete	Class-4 Sp.
Gravel	Class-5 Sp.
Double Chip Seal	Class-6 Sp.
PSAB	Reclaimed HMA
	Crushed Stone
	Class 1
	Class 1c
	Class 1f