

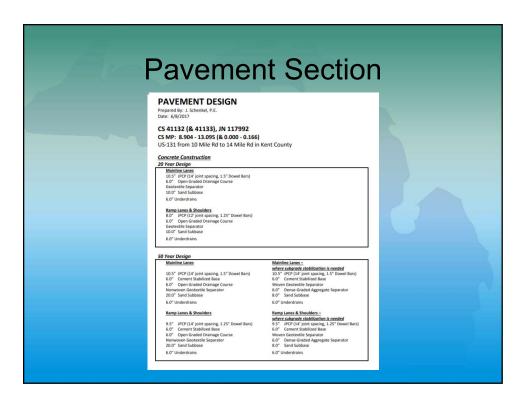
Project Details

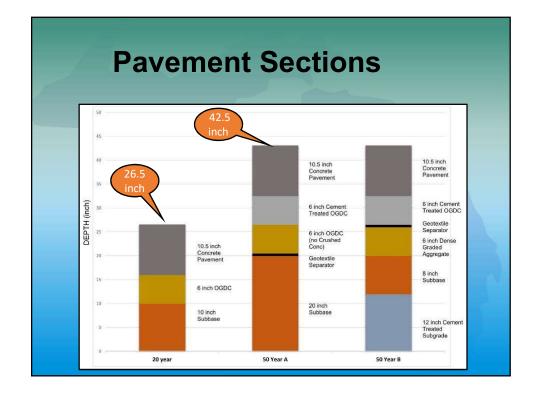
- Construction Details
 - Cost: \$26.4 Million
 - Toebe Construction
- Traffic
 - Volume: 42,000 ADT
 - 8% commercial
- Pavement History
 - 2001 un-bonded concrete overlay
 - 1968 Concrete Freeway Construction

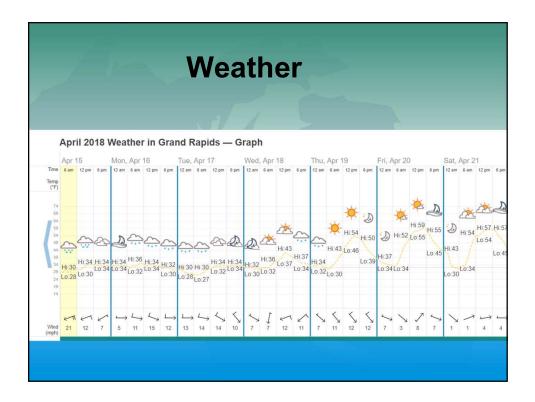
Project Details

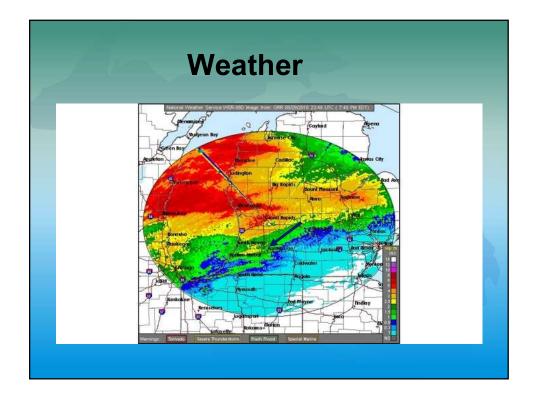
- Project Scope:
 - 20 year Concrete pavement on SB roadway
 - 50 year concrete pavement on a portion of the NB roadway
 - Bridge CPM fixes
 - Shallow overlay on Rogue River bridges
 - Deck patching and epoxy overly on 13 Mile bridges

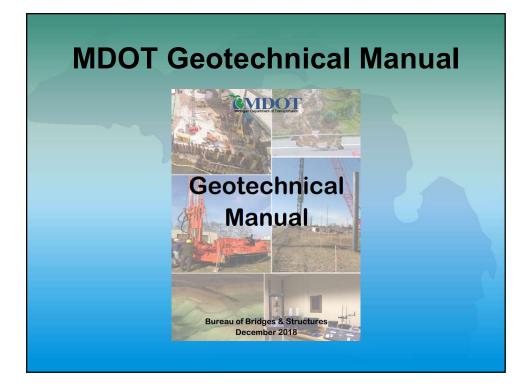
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	RITF Pilot Project	ts		1	
Project 119012[US-131 from 14	Mile Rd to 17 Mile Rd (20 and 30 Yea	r HMA Pavement)		
	2017 as-constructed costs per lane mile	Lane Miles	Total cost		
20 Year Pavement Section	\$ 1,291,517.31	9.77	\$12,617,713.21		
30 Year Pavement Section	\$ 1,462,106.13	4.72	\$6,906,646.01		
Project 117992: US-131 from 10	Mile Rd to 14 Mile Rd (20 and 50 Yea	r Concrete Pavement)		
	2018 As-bid prices per lane mile	Lane Miles	Total cost		
20 Year Pavement Section	\$ 1,453,499.85	11.11	\$16,152,584.21		X
50 Year Pavement A Section	\$ 1,595,145.96	3.52	\$5,620,472.61		
50 Year Pavement B Section	\$ 1,671,238.70	2.77	\$4,635,693.31		1 million 1
117992 50 Year - Concrete					
Implementation of Chemically S	tabilized subbase on 2.7	7 lane miles of	NB road section		
Implementation of cement treate					
Durability based field testing to i	nclude Surface Resistivi	ty and System	Air Metrics		
Did not allow the use of crushed Ditch depth from sand subbase	was kept at a minimum of	of 3 feet to bott	je Course (OGDC). om of subbase laver		
			,		
119012 30 Year - HMA					
Job specific ride quality requirer				r mile	
Use of material transfer device r Modified HMA Specification to in				ne aggregate to HMA binder ratio from 1.4 to 1.3	2
Modified Gap Graded HMA spec	cification for surface cou	rse- modified c	rush content from 95 to 1	100% maximum	
Ditch depth from sand subbase	was kept at a minimum o	of 2 feet to bott	om of subbase layer		

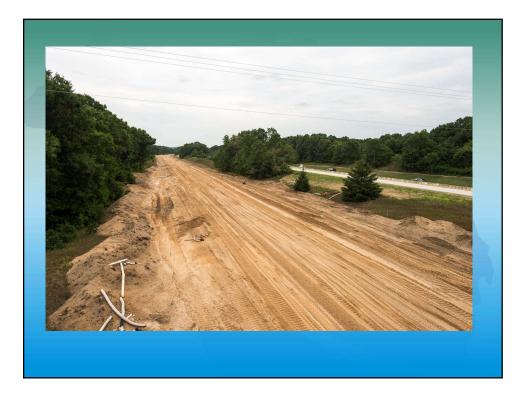














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I=	Summary of Initial Laboratory Testing Results US-131 Subgrade Stabilization Algoma Typ, M SME #07484.00												
Sample	Station	AASHTO Soil Type	AASHTO Description	ASTM Soil Type	As received moisture content (%)	Sulfate Concentration (ppm)		Plasticity Index	Percent Gravel	Percent Sand	Percent Silt	Percent Clay	Passing #200 Sieve
C1	NB 830+00	A-3	SAND	Brown Poorly Graded SAND (SP-SM)	-	0	NP	NP	0	95	1	4	5
C2	NB 843+00	A-3	SAND	Brown Poorly Graded SAND (SP-SM)	-	0	NP	NP	1	91	3	5	8
C3	NB 855+00	A-3	SAND	Brown Poorly Graded SAND (SP-SM)	-	116	NP	NP	1	89	4	6	9
C4	NB 870+07	A-2-4	Brown Gravel and/or Stone Fragments with Sand and Silt	Brown Silty	-	4	NP	NP	2	65	28	5	34
C5	NB 875+10	A-3	SAND	Brown Poorly Graded SAND (SP-SM)	-	67	NP	NP	2	89	3	6	9
C6	NB 883+00	A-2-4	Brown Gravel and/or Stone Fragments with Sand and Silt	Brown Silty SAND (SM)	-	0	NP	NP	5	74	13	8	21
C7	NB 895+00	A-2-4	Brown Gravel and/or Stone Fragments with Sand and Silt	Brown Silty SAND (SM)	-	64	NP	NP	15	74	5	6	11
BC 4/5	Material Composite from Embankment near NB 870+07 and 875+10	A-6	Brown SILTY CLAY SAND (SC)	Brown Clayey	14	51	29	15	3	51	19	27	46
НВ	SB 869+80 (Median ROW)	A-6	Brown SILTY CLAY	Brown Clayey SAND (SC)	14	18	25	11	3	48	21	28	48

















