

NOTE:
 FOR THE 5-LANE SECTION, THE 'PROPOSED PROFILE' IS AT THE GRADE POINT OF -L- REV AND THE 'EXISTING PROFILE' IS LOCATED DIRECTLY UNDER THE GRADE POINT OF -L- REV. FOR THE 4-LANE DIVIDED SECTION, THE 'PROPOSED PROFILE' IS AT THE GRADE POINT OF BOTH -L- REV(L) AND -L- REV(R), AND THE 'EXISTING PROFILE' IS DIRECTLY UNDER THE GRADE POINT ON THE SIDE WHERE EXISTING PAVEMENT IS UNDER PROPOSED PAVEMENT.

BM#14: ELEV. 41.568m SURVEY BL STA. 86+35 OFFSET 78m LEFT RR SPIKE SET IN ROOT OF 15' SWEET GUM TREE

VANE SHEAR TESTS

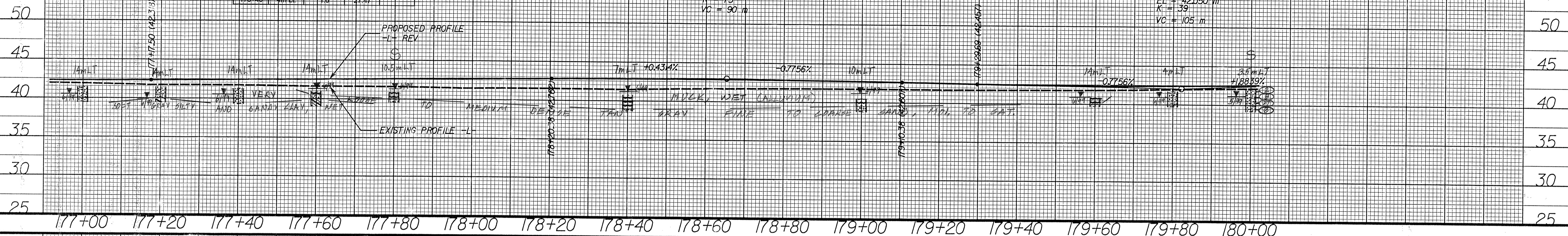
STATION	OFFSET	DEPTH (m)	SR(Pa)	SR(KPa)
178+40	4m LT	0.2	20.28	
178+40	4m LT	0.4	12.40	
178+40	4m LT	0.8	9.75	
178+40	4m LT	0.8		
178+40	4m LT	1.0	12.40	
178+40	4m LT	1.2	15.95	
178+40	4m LT	1.4	28.35	
178+40	4m LT	1.6	27.47	

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	CLASS	L.L.	P.L.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE %	ORGANIC %
							G-SAND	F-SAND	SILT	CLAY	2.0mm	425um	75um		
S-50	177+80	10.5m LT	0.30-0.70	A-3(0)	75	NP	27.5	35.7	33.5	4.3	100	81	38	17.7	34.7
S-50	177+80	10.5m LT	0.70-1.10	A-3(0)	21	NP	16.2	73.7	11.1	0.0	100	97	12		
SS-46	180+00	3.5m LT	0.30-0.45	A-2(4(0))	13	NP	15.5	73.7	5.8	5.1	100	96	12		

PVI = 178+55.38
 EL = 42.956 m
 K = 15
 VC = 90 m

PVI = 179+82.9
 EL = 42.050 m
 K = 39
 VC = 105 m



BM#15: ELEV. 45.461m SURVEY BL STA. 90+28 OFFSET 43m RIGHT RR SPIKE SET IN ROOT OF 20' PINE TREE

Soil Sample Test Results

SAMPLE NO.	STATION	OFFSET	DEPTH INTERVAL	CLASS	L.L.	P.L.	% BY WEIGHT				% PASSING (SIEVES)			MOISTURE %	ORGANIC %
							G-SAND	F-SAND	SILT	CLAY	2.0mm	425um	75um		
S-61	181+80	4m LT	0.50-0.70	A-2(4(0))	19	NP	12.9	74.3	8.7	4.0	100	88	14		
S-62	181+80	4m LT	0.70-1.10	A-4(0)	33	16	9.7	54.7	5.3	30.3	100	99	36	20.8	
S-63	181+80	4m LT	1.10-1.50	A-2(4(0))	27	11	12.7	61.8	5.3	20.2	100	98	26		

EQUALITY
 STA 182+50.41 -L- REV LB=
 STA 182+60.60 -L- REV(L) LA=
 STA 182+61.04 -L- REV(R) LA

PVI = 181+34.00
 EL = 44.910 m
 K = 75
 VC = 165 m

PVI = 182+72.86
 EL = 44.508 m
 K = 45.6
 VC = 60 m

