

APPENDIX D

MERCED COUNTY, HIGHWAY 140 DATA

This appendix presents the following:

Pre-construction deflection	D-1
Pre-construction distress summary	D-18
Photos – construction	D-19
Materials and test data	D-25

M3															
Date-Time 6- 4-2003 9:11:49															
Sensors: Chop01F Chop02F Chop03F Chop04F Chop05F Chop06F Chop07F Chop08F Chop09F															
Weight/spr 3															
Location: MERCED															
Temp: 73.78															
Operator: KIAN															
Comments PM 27.0 EB															
1	1	27.025	1	8.63	11.67	9.56	8.64	7.24	5.38	0	0	1.48			
1	1	27.025	1	8.67	11.64	9.57	8.66	7.28	1.2	0	0	0.84			
1	1	27.025	1	8.63	11.38	9.46	8.59	7.22	4.21	0	0	1.71			
Center Deflection Normalized to 9 KPS = 12.040															
GPS	Position:	Latitude	Longitude = 120°39.50'West									0.000	1.343	0.000	92.300
Note:	EB1-1														
		27.050	1	8.7	9.34	7.85	7.17	6.11	8.95	0	0	1.19	0	97	
		27.050	1	8.73	9.1	7.65	7	6.01	2.35	0	0	1.7	0	97	
		27.050	1	8.8	9.03	7.61	6.98	6	5.67	0	0	1.13	0	97	
Center Deflection Normalized to 9 KPS = 9.425															
GPS	Position:	Latitude	Longitude = 120°39.47'West									0.000	1.340	0.000	97.000
Note:	EB1-2														
		27.100	1	8.8	10.82	9.74	9.22	8.23	3.49	0	0	1.6	0	94.1	
		27.100	1	8.69	10.57	9.49	9.02	8.05	2.72	0	0	1.43	0	94.1	
		27.100	1	8.75	10.57	9.5	9.02	8.07	3.24	0	0	2.06	0	94.1	
Center Deflection Normalized to 9 KPS = 10.862															
GPS	Position:	Latitude	Longitude = 120°39.41'West									0.000	1.697	0.000	94.100
Note:	EB1-3														
		27.150	1	8.64	14.88	12.89	11.85	10.12	2.97	0	0	1.16	0	93.8	
		27.150	1	8.63	14.68	12.54	11.53	9.89	1.82	0	0	0.92	0	93.8	
		27.150	1	8.63	14.3	12.41	11.43	9.83	0.31	0	0	0.92	0	93.8	
Center Deflection Normalized to 9 KPS = 15.241															
GPS	Position:	Latitude	Longitude = 120°39.35'West									0.000	1.000	0.000	93.800
Note:	EB1-4														
		27.200	1	8.58	18.06	15.63	13.84	11.56	6.12	0	0	1.15	0	93.8	
		27.200	1	8.53	17.5	15.18	13.48	11.18	3.27	0	0	1.06	0	93.8	
		27.200	1	8.51	17.3	15.02	13.38	11.08	3.72	0	0	1.09	0	93.8	
Center Deflection Normalized to 9 KPS = 18.669															
GPS	Position:	Latitude	Longitude = 120°39.30'West									0.000	1.100	0.000	93.800
Note:	EB1-5														
		27.251	1	8.5	12.26	10.28	9.15	7.38	2.31	0	0	0	0	90.1	
		27.251	1	8.5	11.58	9.77	8.73	7.1	6.57	0	0	0	0	90.1	
		27.251	1	8.52	11.35	9.58	8.6	7.03	5.72	0	0	0	0	90.1	
Center Deflection Normalized to 9 KPS = 12.410															
GPS	Position:	Latitude	Longitude = 120°39.24'West									0.000	0.000	0.000	90.100
Note:	EB1-6														
		27.300	1	8.45	12.91	9.72	8.59	6.95	4.13	0	0	0	0	93.8	

Deflection Data Merced Hwy 140 (10-0A5801)

GPS Note:	Position:	Latitude	Longitude	North	West
				37°18.126'	120°37.97'
30	1	28.401	1	8.53	22.2
30	1	28.401	1	8.52	21.81
30	1	28.401	1	8.68	22.01
Center Deflection Normalized to 9 KIPS = 31.040					
				37°18.126'	120°37.91'
31	1	28.450	1	8.2	10.52
31	1	28.450	1	8.3	10.23
31	1	28.450	1	8.34	10.16
Center Deflection Normalized to 9 KIPS = 19.891					
				37°18.126'	120°37.86'
32	1	28.499	1	8.91	10.47
32	1	28.499	1	8.85	10.09
32	1	28.499	1	8.98	10
Center Deflection Normalized to 9 KIPS = 13.241					
				37°18.126'	120°37.80'
33	1	28.550	1	8.86	11.35
33	1	28.550	1	8.94	10.91
33	1	28.550	1	8.91	10.76
Center Deflection Normalized to 9 KIPS = 16.194					
				37°18.126'	120°37.74'
34	1	28.598	1	8.78	11.26
34	1	28.598	1	8.87	11.01
34	1	28.598	1	8.76	10.81
Center Deflection Normalized to 9 KIPS = 13.464					
				37°18.126'	120°37.69'
35	1	28.650	1	8.67	13.4
35	1	28.650	1	8.79	13
35	1	28.650	1	8.75	12.82
Center Deflection Normalized to 9 KIPS = 17.135					
				37°18.126'	120°37.63'
36	1	28.699	1	8.87	12.81
36	1	28.699	1	8.97	12.27
36	1	28.699	1	8.84	11.89
Center Deflection Normalized to 9 KIPS = 12.471					
				37°18.126'	120°37.57'
37	1	28.751	1	8.69	13.07

22	1	28.000	1	8.03	14.73	11.5	9.81	7.4	0.51	0	0	0.79	0	97.8	
22	1	28.000	1	8.08	14.71	11.49	9.82	7.42	1.87	0	0	0.72	0	97.8	
		Center Deflection Normalized to 9 KIPS =		16.723		37°18.136' North		Longitude =		120°38.38' West					
GPS Position:		Latitude		8.037		14.933		11.853		9.943		7.500		1.927	
Note:		EB2-1													
23	1	28.050	1	8.09	23.8	19.98	17.14	12.4	4.7	0	0	0.81	0	100.3	
23	1	28.050	1	7.97	23.06	19.36	16.87	11.96	21.41	0	0	1.28	0	100.3	
23	1	28.050	1	8.08	22.68	19.34	16.67	12.02	11.25	0	0	0	0	100.3	
		Center Deflection Normalized to 9 KIPS =		25.926		37°18.134' North		Longitude =		120°38.32' West					
GPS Position:		Latitude		8.047		23.180		19.560		16.893		12.127		12.453	
Note:		EB2-2													
24	1	28.099	1	9.07	15.71	12.37	11.16	9.34	1.58	0	0	1.01	0	100.7	
24	1	28.099	1	9.03	15.32	12.12	10.96	9.2	1.01	0	0	0.93	0	100.7	
24	1	28.099	1	9.08	15.24	12.09	10.95	9.2	3.39	0	0	0.71	0	100.7	
		Center Deflection Normalized to 9 KIPS =		15.321		37°18.133' North		Longitude =		120°38.26' West					
GPS Position:		Latitude		9.060		15.423		12.193		11.023		9.247		1.993	
Note:		EB2-3													
25	1	28.150	1	8.67	21.06	15.76	12.66	9.34	21.09	0	0	0.58	0	94.5	
25	1	28.150	1	8.62	20.18	15.22	12.35	9.17	20.3	0	0	0.56	0	94.5	
25	1	28.150	1	8.76	20.07	15.21	12.34	9.19	23.16	0	0	0.65	0	94.5	
		Center Deflection Normalized to 9 KIPS =		21.182		37°18.131' North		Longitude =		120°38.20' West					
GPS Position:		Latitude		8.683		20.437		15.397		12.450		9.233		21.517	
Note:		EB2-4													
26	1	28.199	1	8.3	23.99	19.82	16.52	13.02	11.86	0	0	0.59	0	99.2	
26	1	28.199	1	8.48	23.68	19.71	16.42	14.43	23.8	0	0	0.59	0	99.2	
26	1	28.199	1	8.47	23.53	19.5	16.33	12.26	18.38	0	0	0.6	0	99.2	
		Center Deflection Normalized to 9 KIPS =		25.378		37°18.129' North		Longitude =		120°38.15' West					
GPS Position:		Latitude		8.417		23.733		19.677		16.423		13.237		18.013	
Note:		EB2-5													
27	1	28.249	1	8.13	27.13	22.44	16.6	11.41	8.49	0	0	0.58	0	97.4	
27	1	28.249	1	8.15	27.49	22.01	16.47	11.32	3.29	0	0	0.72	0	97.4	
27	1	28.249	1	8.19	27.85	21.71	16.27	10.98	0.37	0	0	0.58	0	97.4	
		Center Deflection Normalized to 9 KIPS =		30.332		37°18.128' North		Longitude =		120°38.09' West					
GPS Position:		Latitude		8.157		27.490		22.053		16.447		11.237		4.050	
Note:		EB2-6													
28	1	28.300	1	8.62	17.61	15.08	13.13	10.45	6.75	0	0	0.61	0	102.2	
28	1	28.300	1	8.67	17.06	14.66	12.83	10.32	1.01	0	0	0.66	0	102.2	
28	1	28.300	1	8.59	16.93	14.34	12.54	10.08	18.06	0	0	0.6	0	102.2	
		Center Deflection Normalized to 9 KIPS =		17.944		37°18.126' North		Longitude =		120°38.03' West					
GPS Position:		Latitude		8.627		17.200		14.693		12.833		10.283		8.607	
Note:		EB2-7													
29	1	28.352	1	9.12	9.51	7.34	6.6	5.52	2.35	0	0	0.61	0	102.2	
29	1	28.352	1	9.2	9.23	7.3	6.57	5.53	1.88	0	0	0.3	0	102.2	
29	1	28.352	1	9.05	9.02	7.14	6.44	5.42	3.03	0	0	0.41	0	102.2	
		Center Deflection Normalized to 9 KIPS =		9.128		37°18.123' North		Longitude =		120°38.03' West					
GPS Position:		Latitude		9.123		9.253		7.260		6.537		5.490		2.420	
Note:		EB2-7													

37	1	28.751	1	8.79	12.51	9.9	8.59	6.81	3.56	0	0	0.58	0	103.3
37	1	28.751	1	8.68	12.29	9.66	8.41	6.71	5.09	0	0	0.56	0	103.3
		Center Definition Normalized to 8 KPS =		8.720	12.623	9.947	8.633	6.843	3.587	0.000	0.000	0.660	0.000	103.300
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.51' West										
Note:		EB2-16												
38	1	28.801	1	7.89	18.46	13.8	11.54	8.55	1.62	0	0	0.71	0	102.9
38	1	28.801	1	7.85	17.35	13.11	10.93	8.09	25.26	0	0	0.73	0	102.9
38	1	28.801	1	8.02	17.4	13.09	10.99	8.21	5.92	0	0	0.8	0	102.9
		Center Definition Normalized to 8 KPS =		7.920	17.737	13.333	11.153	8.283	10.933	0.000	0.000	0.747	0.000	102.900
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.45' West										
Note:		EB2-17												
39	1	28.903	1	8.7	17.57	13.69	11.97	9.47	1.1	0	0	0.72	0	106.2
39	1	28.903	1	8.63	16.73	13.12	11.46	9.04	1.39	0	0	1.03	0	106.2
39	1	28.903	1	8.72	16.65	13.1	11.43	9.1	1	0	0	0.62	0	106.2
		Center Definition Normalized to 8 KPS =		8.683	16.983	13.303	11.620	9.203	1.163	0.000	0.000	0.790	0.000	106.200
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.34' West										
Note:		EB2-18												
40	1	28.951	1	8.72	19.13	15.21	12.96	9.78	1.71	0	0	0.93	0	102.9
40	1	28.951	1	8.72	18.34	14.56	12.52	9.53	2.94	0	0	0.82	0	102.9
40	1	28.951	1	8.76	18.21	14.48	12.46	9.51	2.46	0	0	0	0	102.9
		Center Definition Normalized to 8 KPS =		8.733	18.560	14.750	12.647	9.607	2.370	0.000	0.000	0.583	0.000	102.900
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.28' West										
Note:		EB2-19												
41	1	29.000	1	8.91	16.53	12.5	10.75	8.38	0.92	0	0	0.88	0	107.3
41	1	29.000	1	9	15.89	12.1	10.45	8.2	3	0	0	0	0	107.3
41	1	29.000	1	8.97	15.56	11.93	10.33	8.14	0.69	0	0	0.91	0	107.3
		Center Definition Normalized to 8 KPS =		8.960	15.993	12.177	10.510	8.240	1.537	0.000	0.000	0.597	0.000	107.300
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.22' West										
Note:		EB2-20												
42	1	29.038	1	8.83	15.01	11.07	9.81	7.91	5.93	0	0	0	0	109.5
42	1	29.038	1	8.83	14.46	10.66	9.5	7.69	17.73	0	0	0	0	109.5
42	1	29.038	1	8.78	14.33	10.5	9.36	7.63	4.91	0	0	0	0	109.5
		Center Definition Normalized to 8 KPS =		8.813	14.600	10.743	9.557	7.743	9.523	0.000	0.000	0.000	0.000	109.500
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.18' West										
Note:		EB2-21												
43	1	29.040	1	8.85	16.59	12.93	11.06	8.54	4.17	0	0	0.92	0	109.1
43	1	29.040	1	8.89	15.86	12.49	10.76	8.36	13.2	0	0	0	0	109.1
43	1	29.040	1	8.89	15.61	12.37	10.63	8.3	4.32	0	0	0	0	109.1
		Center Definition Normalized to 8 KPS =		8.877	16.020	12.597	10.817	8.400	7.230	0.000	0.000	0.307	0.000	109.100
GPS Position:		Latitude =		37°18.126' North Longitude = 120°37.17' West										
Note:		EB3-1												
44	1	29.049	1	9.14	12.95	10.27	9.02	7.26	3.18	0	0	0	0	105.8
44	1	29.049	1	9.07	12.54	9.94	8.76	7.09	2.78	0	0	0	0	105.8
44	1	29.049	1	9.11	12.53	9.9	8.74	7.09	1.79	0	0	0	0	105.8
		Center Definition Normalized to 8 KPS =		9.107	12.673	10.037	8.840	7.147	2.563	0.000	0.000	0.000	0.000	105.800

52	1	29.554	1	8.52	34.42	26.22	21.55	15.07	1.57	0	0	0	0	112.8
52	1	29.554	1	8.51	34.07	26.01	21.4	14.94	2.01	0	0	0	1.56	112.8
Center Deflection Normalized to 9 KIPs = 36.614														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.58' West														
Note: EB3-10														
53	1	29.602	1	8.96	14.06	11.34	10.17	8.35	9.28	0	0	0	0.61	113.5
53	1	29.602	1	8.92	13.87	11.22	10.07	8.27	3.55	0	0	0	0.83	113.5
53	1	29.602	1	8.81	13.62	11.02	9.87	8.14	2.39	0	0	0	0.85	113.5
Center Deflection Normalized to 9 KIPs = 14.011														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.52' West														
Note: EB3-11														
54	1	29.654	1	8.75	20.92	16.43	14.47	11.22	18.79	0	0	0	0.8	115.7
54	1	29.654	1	8.87	20.38	15.98	14.12	11.03	7.78	0	0	0	0.87	115.7
54	1	29.654	1	8.81	19.97	15.65	13.84	10.82	4.23	0	0	0	0	115.7
Center Deflection Normalized to 9 KIPs = 20.864														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.46' West														
Note: EB3-12														
55	1	29.705	1	8.68	18.49	14.59	12.91	10.41	0.98	0	0	0	1.01	109.1
55	1	29.705	1	8.69	17.71	14.13	12.49	10.14	4.6	0	0	0	0.85	109.1
55	1	29.705	1	8.68	17.48	14	12.39	10.07	5.37	0	0	0	0.86	109.1
Center Deflection Normalized to 9 KIPs = 18.546														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.40' West														
Note: EB3-13														
56	1	29.751	1	8.29	30.18	24.13	20.76	15.88	0.76	0	0	0	0.88	115
56	1	29.751	1	8.4	29.27	23.52	20.33	15.62	0.95	0	0	0	1.28	115
56	1	29.751	1	8.52	29.17	23.48	20.33	15.65	1.75	0	0	0	0.53	115
Center Deflection Normalized to 9 KIPs = 31.637														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.35' West														
Note: EB3-14														
57	1	29.803	1	8.87	17.53	14.13	12.26	9.66	3.28	0	0	0	0.83	116.1
57	1	29.803	1	8.91	16.79	13.6	11.82	9.39	4.95	0	0	0	0.81	116.1
57	1	29.803	1	8.91	16.52	13.42	11.67	9.3	5.32	0	0	0	0	116.1
Center Deflection Normalized to 9 KIPs = 17.143														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.29' West														
Note: EB3-15														
58	1	29.851	1	8.68	22.43	17.49	14.79	10.36	3.91	0	0	0	0	113.2
58	1	29.851	1	8.64	21.55	16.7	14.17	9.97	6.73	0	0	0	0	113.2
58	1	29.851	1	8.67	21.15	16.44	14	9.89	8.14	0	0	0	1.65	113.2
Center Deflection Normalized to 9 KIPs = 22.854														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36	16.15	14.39	11.77	4.97	0	0	0	0.52	113.5
Center Deflection Normalized to 9 KIPs = 22.304														
GPS Position: Latitude = 37°18.126' North Longitude = 120°36.24' West														
Note: EB3-16														
59	1	29.899	1	8.31	21.08	16.68	14.86	12.05	2.44	0	0	0	0.46	113.5
59	1	29.899	1	8.42	20.69	16.42	14.63	11.96	3.92	0	0	0	0.71	113.5
59	1	29.899	1	8.34	20.36									

68	1	29.949	1	8.85	16.75	12.77	11.29	9.18	0.22	0	0	2.4	0	120.8
68	1	29.949	1	8.95	16.97	12.8	11.33	9.23	0.18	0	0	1.57	0	120.8
Center Deflection Normalized to 3 KPS =		17.275		8.853	16.993	12.900	11.400	9.250	0.493	0.000	0.000	1.723	0.000	120.800
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.391'West												
Note: WB1-7														
69	1	29.900	1	8.48	25	19.81	17.74	14.35	0.53	0	0	1.02	0	122.7
69	1	29.900	1	8.34	24.22	19.34	17.31	14.07	0.41	0	0	0.94	0	122.7
69	1	29.900	1	8.42	24.04	19.27	17.28	14.04	1.56	0	0	1.22	0	122.7
Center Deflection Normalized to 3 KPS =		26.123		8.413	24.420	19.473	17.443	14.153	0.833	0.000	0.000	1.060	0.000	122.700
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.45'West												
Note: WB1-8														
70	1	29.850	1	8.69	15.16	11.96	10.34	8.11	1.52	0	0	0.58	0	115
70	1	29.850	1	8.81	15.03	11.87	10.29	8.09	1.61	0	0	0.8	0	115
70	1	29.850	1	8.67	14.78	11.69	10.12	7.96	2.32	0	0	0.61	0	115
Center Deflection Normalized to 3 KPS =		15.465		8.723	14.990	11.840	10.250	8.053	1.817	0.000	0.000	0.663	0.000	115.000
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.51'West												
Note: WB1-9														
71	1	29.799	1	8.59	14.63	11.96	11.03	9.58	2.49	0	0	1.09	0	123
71	1	29.799	1	8.67	14.37	11.79	10.88	9.47	3.73	0	0	1.31	0	123
71	1	29.799	1	8.68	14.38	11.85	10.94	9.52	3.01	0	0	1.3	0	123
Center Deflection Normalized to 3 KPS =		15.051		8.647	14.460	11.867	10.950	9.523	3.077	0.000	0.000	1.233	0.000	123.000
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.57'West												
Note: WB1-10														
72	1	29.747	1	8.81	17.88	14.22	12.66	10.3	0.21	0	0	1.1	0	117.6
72	1	29.747	1	8.59	16.97	13.58	12.09	9.83	0.6	0	0	1.25	0	117.6
72	1	29.747	1	8.78	17.04	13.75	12.26	9.99	0.57	0	0	1.17	0	117.6
Center Deflection Normalized to 3 KPS =		17.838		8.727	17.297	13.850	12.337	10.040	0.460	0.000	0.000	1.173	0.000	117.600
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.63'West												
Note: WB1-11														
73	1	29.701	1	8.51	28.81	22.13	19.02	14.64	1.83	0	0	0.83	0	116.5
73	1	29.701	1	8.44	27.86	21.47	18.52	14.3	8.37	0	0	1.19	0	116.5
73	1	29.701	1	8.46	27.54	21.32	18.38	14.21	0.99	0	0	0.81	0	116.5
Center Deflection Normalized to 3 KPS =		29.826		8.470	28.070	21.640	18.640	14.383	3.730	0.000	0.000	0.943	0.000	116.500
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.691'West												
Note: WB1-12														
74	1	29.648	1	8.34	26.86	21.09	18.37	14.64	13.19	0	0	1.01	0	114.3
74	1	29.648	1	8.41	26.58	20.62	18	14.32	10.25	0	0	0.83	0	114.3
74	1	29.648	1	8.45	26.35	20.47	17.93	14.32	7.12	0	0	0.88	0	114.3
Center Deflection Normalized to 3 KPS =		26.466		8.400	26.597	20.727	18.100	14.427	10.187	0.000	0.000	0.907	0.000	114.300
GPS Position: Latitude =		37°18.128'North Longitude = 120°36.74'West												
Note: WB1-13														
75	1	29.600	1	7.63	23.19	19.31	16.08	11.27	2.46	0	0	1.02	0	113.9
75	1	29.600	1	7.71	23.27	18.9	15.73	10.93	13.52	0	0	0.47	0	113.9
75	1	29.600	1	7.68	23.85	18.79	15.74	10.91	7.26	0	0	1.59	0	113.9
Center Deflection Normalized to 3 KPS =		27.489		7.673	23.437	19.000	15.850	11.037	7.747	0.000	0.000	1.027	0.000	113.900

68	1	29.949	1	8.85	16.75	12.77	11.29	9.18	0.22	0	0	2.4	0	120.8
68	1	29.949	1	8.95	16.97	12.8	11.33	9.23	0.18	0	0	1.57	0	120.8
		Center Deflection Normalized to 9 KIPS =		8.853	16.993	12.900	11.400	9.250	0.493	0.000	0.000	1.723	0.000	120.800
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.391' West										
Note:		WB1-7												
69	1	29.900	1	8.48	25	19.81	17.74	14.35	0.53	0	0	1.02	0	122.7
69	1	29.900	1	8.34	24.22	19.34	17.31	14.07	0.41	0	0	0.94	0	122.7
69	1	29.900	1	8.42	24.04	19.27	17.28	14.04	1.56	0	0	1.22	0	122.7
		Center Deflection Normalized to 9 KIPS =		8.413	24.420	19.473	17.443	14.153	0.833	0.000	0.000	1.060	0.000	122.700
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.454' West										
Note:		WB1-8												
70	1	29.850	1	8.69	15.16	11.96	10.34	8.11	1.52	0	0	0.58	0	115
70	1	29.850	1	8.81	15.03	11.87	10.29	8.09	1.61	0	0	0.8	0	115
70	1	29.850	1	8.67	14.78	11.69	10.12	7.96	2.32	0	0	0.61	0	115
		Center Deflection Normalized to 9 KIPS =		8.723	14.990	11.840	10.250	8.053	1.817	0.000	0.000	0.663	0.000	115.000
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.51' West										
Note:		WB1-9												
71	1	29.799	1	8.59	14.63	11.96	11.03	9.58	2.49	0	0	1.09	0	123
71	1	29.799	1	8.67	14.37	11.79	10.88	9.47	3.73	0	0	1.31	0	123
71	1	29.799	1	8.68	14.38	11.85	10.94	9.52	3.01	0	0	1.3	0	123
		Center Deflection Normalized to 9 KIPS =		8.647	14.460	11.867	10.950	9.523	3.077	0.000	0.000	1.233	0.000	123.000
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.57' West										
Note:		WB1-10												
72	1	29.747	1	8.81	17.88	14.22	12.66	10.3	0.21	0	0	1.1	0	117.6
72	1	29.747	1	8.59	16.97	13.58	12.09	9.83	0.6	0	0	1.25	0	117.6
72	1	29.747	1	8.78	17.04	13.75	12.26	9.99	0.57	0	0	1.17	0	117.6
		Center Deflection Normalized to 9 KIPS =		8.727	17.297	13.850	12.337	10.040	0.460	0.000	0.000	1.173	0.000	117.600
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.63' West										
Note:		WB1-11												
73	1	29.701	1	8.51	28.81	22.13	19.02	14.64	1.83	0	0	0.83	0	116.5
73	1	29.701	1	8.44	27.86	21.47	18.52	14.3	8.37	0	0	1.19	0	116.5
73	1	29.701	1	8.46	27.54	21.32	18.38	14.21	0.99	0	0	0.81	0	116.5
		Center Deflection Normalized to 9 KIPS =		8.470	28.070	21.640	18.640	14.383	3.730	0.000	0.000	0.943	0.000	116.500
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.691' West										
Note:		WB1-12												
74	1	29.648	1	8.34	26.86	21.09	18.37	14.64	13.19	0	0	1.01	0	114.3
74	1	29.648	1	8.41	26.58	20.62	18	14.32	10.25	0	0	0.83	0	114.3
74	1	29.648	1	8.45	26.35	20.47	17.93	14.32	7.12	0	0	0.88	0	114.3
		Center Deflection Normalized to 9 KIPS =		8.400	26.597	20.727	18.100	14.427	10.187	0.000	0.000	0.907	0.000	114.300
GPS Position:		Latitude	=	37°18.128' North Longitude = 120°36.74' West										
Note:		WB1-13												
75	1	29.600	1	7.63	23.19	19.31	16.08	11.27	2.46	0	0	1.02	0	113.9
75	1	29.600	1	7.71	23.27	18.9	15.73	10.93	13.52	0	0	0.47	0	113.9
75	1	29.600	1	7.68	23.85	18.79	15.74	10.91	7.26	0	0	1.59	0	113.9
		Center Deflection Normalized to 9 KIPS =		7.673	23.437	19.000	15.850	11.037	7.747	0.000	0.000	1.027	0.000	113.900

83	1	29.148	1	8.94	15.14	12.12	10.69	8.64	1.7	0	0	1.14	0	118.3
83	1	29.148	1	8.79	14.81	11.91	10.5	8.48	1.42	0	0	1.71	0	118.3
Center Deflection Normalized to 9 KPS = 15.466														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.31' West														
Note: WB2-1														
84	1	29.099	1	8.7	14.88	11.55	10.17	8.21	0.94	0	0	0.98	0	117.2
84	1	29.099	1	8.73	14.36	11.21	9.9	8.06	1.77	0	0	0.91	0	117.2
84	1	29.099	1	8.76	14.3	11.18	9.92	8.04	0.4	0	0	1.12	0	117.2
Center Deflection Normalized to 9 KPS = 14.962														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.37' West														
Note: WB2-2														
85	1	29.051	1	8.76	17.57	14.15	12.12	9.26	8.73	0	0	1.37	0	119.4
85	1	29.051	1	8.9	16.87	13.69	11.79	9.08	5.37	0	0	1.78	0	119.4
85	1	29.051	1	8.78	16.37	13.33	11.51	8.9	9.42	0	0	1.36	0	119.4
Center Deflection Normalized to 9 KPS = 17.295														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.42' West														
Note: WB2-3														
86	1	29.001	1	8.84	11.32	9.69	8.62	6.98	3.53	0	0	0.84	0	116.8
86	1	29.001	1	8.96	10.86	9.35	8.36	6.8	7.35	0	0	1.36	0	116.8
86	1	29.001	1	8.76	10.56	9.09	8.17	6.66	7.97	0	0	1.06	0	116.8
Center Deflection Normalized to 9 KPS = 11.094														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.48' West														
Note: WB2-4														
87	1	28.949	1	8.92	12.33	10.05	8.99	7.5	0.39	0	0	1.21	0	116.1
87	1	28.949	1	8.87	11.49	9.45	8.5	7.14	2.27	0	0	1.43	0	116.1
87	1	28.949	1	9.01	11.3	9.36	8.46	7.14	6.29	0	0	1.17	0	116.1
Center Deflection Normalized to 9 KPS = 11.794														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.54' West														
Note: WB2-5														
88	1	28.899	1	8.81	15.08	11.38	9.91	7.95	1.61	0	0	1.39	0	117.9
88	1	28.899	1	8.7	14.06	10.78	9.43	7.6	1.12	0	0	1.84	0	117.9
88	1	28.899	1	8.72	13.87	10.65	9.35	7.53	3.37	0	0	1.41	0	117.9
Center Deflection Normalized to 9 KPS = 14.758														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.60' West														
Note: WB2-6														
89	1	28.850	1	8.86	12.57	10.36	9.22	7.4	5.09	0	0	0.88	0	115.4
89	1	28.850	1	8.79	11.88	9.62	8.78	7.13	6.16	0	0	0.97	0	115.4
89	1	28.850	1	8.86	11.75	9.74	8.72	7.11	4.63	0	0	1.37	0	115.4
Center Deflection Normalized to 9 KPS = 12.290														
GPS Position: Latitude = 37°18.128' North Longitude = 120°37.65' West														
Note: WB2-7														
90	1	28.800	1	8.61	15.35	11.92	10.26	8.12	5.4	0	0	0.98	0	110.6
90	1	28.800	1	8.51	14.18	11.15	9.64	7.71	4.2	0	0	1.14	0	110.6
90	1	28.800	1	8.69	14.42	11.11	9.61	7.74	10.97	0	0	1.27	0	110.6
Center Deflection Normalized to 9 KPS = 15.325														

98	1	28.404	1	8.9	14.29	11.74	10.27	8.24	3.57	0	0	1.51	0	115.4	
98	1	28.404	1	8.83	14.24	11.73	10.25	8.22	7.36	0	0	1.43	0	115.4	
		Center Definition Normalized to 9 KIPS =		14.514		37°18.132' North		Longitude =		120°38.18' West					
GPS Position:		Latitude													
Note:		WB2-16													
99	1	28.349	1	8.39	27.67	17.76	13.37	8.77	0.51	0	0	1.14	0	107.3	
99	1	28.349	1	8.42	26.65	17.24	13.09	8.68	8.16	0	0	1.3	0	107.3	
99	1	28.349	1	8.45	26.47	17.14	13.07	8.71	2.09	0	0	1.5	0	107.3	
		Center Definition Normalized to 9 KIPS =		28.788		37°18.134' North		Longitude =		120°38.24' West					
GPS Position:		Latitude													
Note:		WB2-17													
100	1	28.298	1	8.2	29.78	22.51	19.32	15.37	8.5	0	0	1.17	0	111.3	
100	1	28.298	1	8.26	29.58	22.36	19.12	15.35	11.06	0	0	1.27	0	111.3	
100	1	28.298	1	8.29	29.75	22.38	19.18	15.43	13.56	0	0	1.34	0	111.3	
		Center Definition Normalized to 9 KIPS =		32.404		37°18.136' North		Longitude =		120°38.30' West					
GPS Position:		Latitude													
Note:		WB2-18													
101	1	28.249	1	8.76	16.01	13.19	11.82	9.83	2.24	0	0	1.37	0	109.5	
101	1	28.249	1	8.9	15.75	13.01	11.68	9.81	10.85	0	0	1.38	0	109.5	
101	1	28.249	1	8.87	15.58	12.85	11.58	9.67	5.44	0	0	1.54	0	109.5	
		Center Definition Normalized to 9 KIPS =		16.060		37°18.137' North		Longitude =		120°38.35' West					
GPS Position:		Latitude													
Note:		WB2-19													
102	1	28.202	1	8.78	16.95	13.07	11.06	8.38	0.35	0	0	1.28	0	113.9	
102	1	28.202	1	8.75	16.47	12.67	10.71	8.17	5.54	0	0	1.94	0	113.9	
102	1	28.202	1	8.65	16.06	12.8	10.91	8.32	1.41	0	0	1.5	0	113.9	
		Center Definition Normalized to 9 KIPS =		17.010		37°18.139' North		Longitude =		120°38.41' West					
GPS Position:		Latitude													
Note:		WB2-20													
103	1	28.149	1	8.64	22.14	17.45	14.66	10.95	1.42	0	0	1.4	0	114.3	
103	1	28.149	1	8.54	21	16.53	14	10.41	6.16	0	0	1.59	0	114.3	
103	1	28.149	1	8.67	20.88	16.41	13.94	10.38	5.2	0	0	1.37	0	114.3	
		Center Definition Normalized to 9 KIPS =		22.289		37°18.140' North		Longitude =		120°38.47' West					
GPS Position:		Latitude													
Note:		WB2-21													
104	1	28.148	1	8.64	22.51	18.03	14.34	10.4	0.87	0	0	1.13	0	111.3	
104	1	28.148	1	8.52	21.3	17.19	13.79	9.99	1	0	0	1.4	0	111.3	
104	1	28.148	1	8.63	21	16.96	13.66	9.77	2.35	0	0	1.19	0	111.3	
		Center Definition Normalized to 9 KIPS =		22.617		37°18.140' North		Longitude =		120°38.47' West					
GPS Position:		Latitude													
Note:		WB3-1													
105	1	28.099	1	8.58	20.92	13.37	11.01	8.19	1.02	0	0	1.34	0	114.6	
105	1	28.099	1	8.7	20.44	13.26	10.92	8.21	6.54	0	0	1.28	0	114.6	
105	1	28.099	1	8.7	20.36	13.23	10.9	8.19	5.89	0	0	1.54	0	114.6	
		Center Definition Normalized to 9 KIPS =		21.381		37°18.140' North		Longitude =		120°38.47' West					
GPS Position:		Latitude													
Note:		WB3-1													
105	1	28.099	1	8.660	20.573	13.287	10.943	8.197	4.483	0.000	0.000	1.387	0.000	114.600	

113	1	27.703	1	9.05	9.18	5.94	4.9	4.11	8.44	0	0	1.33	0	121.9	
113	1	27.703	1	8.97	9.03	5.91	4.89	4.11	7.96	0	0	1.72	0	121.9	
		Center Deflection Normalized to a KPS =		9.305	8.963	9.267	5.943	4.897	4.100	5.580	0.000	0.000	1.580	0.000	121.900
GPS		Position: Latitude =		37°18.146' North				Longitude =				120°38.98' West			
Note:		WB3-10													
114	1	27.650	1	8.74	11.16	8.16	6.93	5.73	0.66	0	0	1.69	0	122.3	
114	1	27.650	1	8.83	10.84	7.95	6.81	5.64	3.42	0	0	1.28	0	122.3	
114	1	27.650	1	8.81	10.76	7.94	6.79	5.65	6.63	0	0	1.51	0	122.3	
		Center Deflection Normalized to a KPS =		11.177	8.793	10.920	8.017	6.843	5.673	3.570	0.000	0.000	1.493	0.000	122.300
GPS		Position: Latitude =		37°18.142' North				Longitude =				120°39.04' West			
Note:		WB3-11													
115	1	27.601	1	8.65	13.56	9.96	8.6	6.75	5.47	0	0	1.48	0	120.8	
115	1	27.601	1	8.63	13.07	9.69	8.41	6.64	8.71	0	0	1.74	0	120.8	
115	1	27.601	1	8.76	13.24	9.77	8.48	6.71	5.58	0	0	1.45	0	120.8	
		Center Deflection Normalized to a KPS =		13.780	8.680	13.290	9.807	8.497	6.700	6.587	0.000	0.000	1.557	0.000	120.800
GPS		Position: Latitude =		37°18.138' North				Longitude =				120°39.10' West			
Note:		WB3-12													
116	1	27.549	1	8.74	15.21	11.53	10.14	8.08	5.21	0	0	1.37	0	122.7	
116	1	27.549	1	8.84	15.23	11.4	10.03	8.02	5.39	0	0	1.4	0	122.7	
116	1	27.549	1	8.75	15.15	11.23	9.89	7.88	7.67	0	0	1.31	0	122.7	
		Center Deflection Normalized to a KPS =		15.583	8.777	15.197	11.387	10.020	7.993	6.090	0.000	0.000	1.360	0.000	122.700
GPS		Position: Latitude =		37°18.134' North				Longitude =				120°39.16' West			
Note:		WB3-13													
117	1	27.501	1	8.8	10.54	8.25	7.34	6	3.67	0	0	1.26	0	121.9	
117	1	27.501	1	8.92	10.1	8.04	7.16	5.91	3.65	0	0	1.57	0	121.9	
117	1	27.501	1	9	10.1	8	7.13	5.88	4.87	0	0	1.5	0	121.9	
		Center Deflection Normalized to a KPS =		10.354	8.907	10.247	8.097	7.210	5.930	4.063	0.000	0.000	1.443	0.000	121.900
GPS		Position: Latitude =		37°18.131' North				Longitude =				120°39.21' West			
Note:		WB3-14													
118	1	27.448	1	8.83	11.13	9.02	8.21	6.89	0.93	0	0	1.55	0	122.7	
118	1	27.448	1	8.86	10.82	8.74	7.99	6.74	7.22	0	0	1.56	0	122.7	
118	1	27.448	1	8.76	10.64	8.61	7.86	6.65	4.83	0	0	1.62	0	122.7	
		Center Deflection Normalized to a KPS =		11.089	8.817	10.863	8.790	8.020	6.760	4.327	0.000	0.000	1.577	0.000	122.700
GPS		Position: Latitude =		37°18.127' North				Longitude =				120°39.27' West			
Note:		WB3-15													
119	1	27.402	1	8.44	30.82	24.91	22.22	18.34	6.7	0	0	1.06	0	119	
119	1	27.402	1	8.41	29.36	24.33	21.81	18.14	0.39	0	0	1.35	0	119	
119	1	27.402	1	8.42	29.02	24.12	21.68	17.97	1.74	0	0	1.33	0	119	
		Center Deflection Normalized to a KPS =		31.759	8.423	29.733	24.453	21.903	18.150	2.943	0.000	0.000	1.247	0.000	119.000
GPS		Position: Latitude =		37°18.123' North				Longitude =				120°39.32' West			
Note:		WB3-16													
120	1	27.351	1	8.83	13.75	11.3	10.62	9.58	5.94	0	0	1.37	0	121.2	
120	1	27.351	1	8.79	13.36	11.05	10.39	9.39	5.6	0	0	1.39	0	121.2	
120	1	27.351	1	8.81	13.19	10.93	10.29	9.32	6.24	0	0	1.44	0	121.2	
		Center Deflection Normalized to a KPS =		13.723	8.810	13.433	11.093	10.433	9.430	5.927	0.000	0.000	1.400	0.000	121.200

GPS Note:	Position:	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude	Latitude	Longitude
	WB3-17			37°18.119:North	120°39.38:West						
121	1	27.329	1	8.36	29.41	23.05	20.84	17.32	15.47	0	0
121	1	27.329	1	8.45	29.25	22.78	20.64	17.21	15	0	0
121	1	27.329	1	8.35	29.13	22.59	20.5	17.07	16.15	0	0
		Center Deflection Normalized to 9 KPS =	31.403								
	WB3-18			37°18.118:North	120°39.41:West						
122	1	27.309	1	8.64	14.72	12.67	11.4	9.43	5.4	0	0
122	1	27.309	1	8.7	14	12.1	10.92	9.14	9.04	0	0
122	1	27.309	1	8.68	13.71	11.87	10.75	9.02	9.77	0	0
		Center Deflection Normalized to 9 KPS =	14.976								
	WB3-19			37°18.116:North	120°39.43:West						
123	1	27.295	1	8.76	9.8	8.12	7.38	6.16	5.37	0	0
123	1	27.295	1	8.79	9.31	7.75	7.06	5.9	8.24	0	0
123	1	27.295	1	8.83	9.22	7.71	7.03	5.88	5.59	0	0
		Center Deflection Normalized to 9 KPS =	9.665								
	WB3-20			37°18.115:North	120°39.45:West						
124	1	27.270	1	8.76	12.08	9.57	8.38	6.77	5.67	0	0
124	1	27.270	1	8.78	11.59	9.23	8.12	6.61	6.24	0	0
124	1	27.270	1	8.81	11.42	9.13	8.05	6.59	4.83	0	0
		Center Deflection Normalized to 9 KPS =	11.985								
	WB3-21			37°18.113:North	120°39.48:West						
124	1	27.270	1	8.783	11.697	9.310	8.183	6.657	5.580	0.000	0.000
		Center Deflection Normalized to 9 KPS =	11.985								

Center Deflection Normalized to 9 KPS =	#DIV/0!										
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Center Deflection Normalized to 9 KPS =	#DIV/0!										
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Center Deflection Normalized to 9 KPS =	#DIV/0!										
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Merced Pre-Construction Manual Distress Identification Summary Data

Post Maintenance base repair leveling course – no obvious distress identified
 <Additional overview see Appendix C pre-construction pavement condition photographs>

PES Section ID	Cracking – Longitudinal Wheel path (m)			Cracking – Longitudinal Non-Wheel path (m)			Cracking – Fatigue (m ²)			Cracking – Transverse # of Occurrences, Total Length(m)			Cracking – Block Area (m ²)			Patching # of Occurrences, Area (m ²)	Bleeding (Area (m ²))
	L	M	H	L	M	H	L	M	H	L	M	H	L	M	H		
Severity Level																	
EB 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EB 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WB 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Merced Hwy 140 10-0A5801 Pre-Overlay Pavement Leveling Course Construction Photographs



WB1 (0+00)



WB1 (1+00)



WB1 (2+00)



WB1 (3+00)



WB1 (5+00)

The selection of photos from PES WB1 typifies the pre-overlay condition of the project pavement in terms of the leveling course conducted as part of the RAC pre-overlay construction repairs.

Note that the pavement has had a tack coat application.

Merced Hwy 140 10-0A5801 Construction Photographs



BREAKDOWN ROLLER



FINISH ROLLER



PAVING PES EB1



PES EB1 (109+20)



PAVER @ PES EB1



PAVING PES EB2

Merced Hwy 140 10-0A5801 Construction Photographs



HANDWORK @ PES EB3



ROLLER @ WB3



WINDROW @ PES WB3



WB2B (134+49)



SAND TRUCK



BELLY DUMP @ PES EB3

Merced Hwy 140 10-0A5801 Le Grand Asphalt Plant



LE GRAND AC PLANT



RAC BLENDER



BATCH PLANT



AGGREGATE BINS (RHS)



RAC SHIPPING CONTAINERS



PLANT ENTRANCE

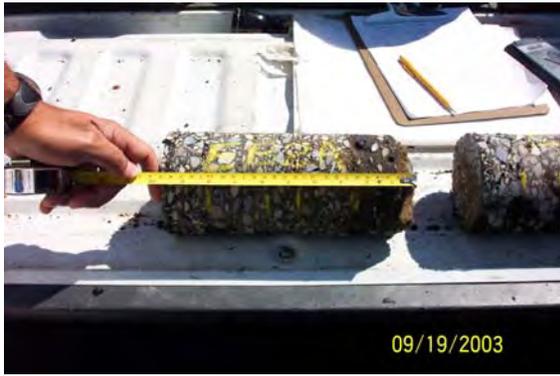
Merced Hwy 140 10-0A5801 PES Construction Coring Photographs



EB1A (109+50)



EB1B (110+42)



EB2A (119+87)



EB2B (120+79)



EB3A (126+24)



EB3B (127+16)

Merced Hwy 140 10-0A5801 PES Construction Coring Photographs



WB1A (144+37)



WB1B (144+67)



WB2A (136+66)



WB2B (134+49)



WB3A (114+88)



WB3B (112+76)

Materials & Testing Data Merced Hwy 140 (10-0A5801)

Merced Mix Design Characteristics

AGGREGATE GRADATION			SPECIMEN CHARACTERISTICS			
Sieve Size (mm)	Target Value	Contract Compliance	Detail		Result	
25.0	100	100	Percent Oil Content		7.0	
12.5	95	79	Hveem Stabilometer		36	
9.5	81	69	VMA %		15.8	
4.75	37	53	Air Voids %		4.2	
2.36	22	33	Swell (mm) Kc		1.1	
0.6	13	21	Swell (mm) Kf		1.1	
0.075	5.1	5				
0.075	3.3	0-8				
AGGREGATE QUALITY TESTS			PERCENT OF CRUSHED PARTICLES			
Test	Result	Spec.	Sieve Size (mm)		%	Aggregate Type
Crushed Coarse %	97	90	Bin 5	19mm	8	Course
Crushed Fine %	93	90	Bin 4	12.5mm	18	
LA Rattler (100 revs)	4	10	Bin 3	9.5mm	47	
LA Rattler (500 revs)	19	40	Bin 2	Dust	22	
Sand Equivalent,50 min.	61	50	Bin 1	Sand	5	Fine