BENT REPORT

BENT NO. 1 (N 23 22 33.77 E)
DISTANCE BETWEEN STATION LINE AND BEAM 1 99.330 L

		BEAM SPA (C L BENT)	BEAM ANGLE D M S
SPAN 1	BEAM 1	0.000	34 14 48
	BEAM 2	15.399	34 47 15
	BEAM 3	15.399	35 20 38
	BEAM 4	15.399	35 54 56
	BEAM 5	15.399	36 30 13
	BEAM 6	15.399	37 6 30
	BEAM 7	15.399	37 43 50
	BEAM 8	15.399	38 22 15
	BEAM 9	15.399	39 1 46
	BEAM 10	15.399	39 42 27
	BEAM 11	15.399	40 24 19
	BEAM 12	15.399	41 7 25
	BEAM 13	15.399	41 51 48
	BEAM 14	15.399	42 37 30
	BEAM 15	15.399	43 24 33
	BEAM 16	15.399	44 13 0
	TOTAL	230.983	

BENT NO. 2 (N 23 22 33.77 E)
DISTANCE BETWEEN STATION LINE AND BEAM 1 86.930 L

		BEAM SPA (C L BENT)	BEAM ANGLE D M S
SPAN 1	BEAM 1	0.000	34 14 48
	BEAM 2	13.869	34 47 15
	BEAM 3	13.869	35 20 38
	BEAM 4	13.869	35 54 56
	BEAM 5	13.869	36 30 13
	BEAM 6	13.869	37 6 30
	BEAM 7	13.869	37 43 50
	BEAM 8	13.869	38 22 15
	BEAM 9	13.869	39 1 46
	BEAM 10	13.869	39 42 27
	BEAM 11	13.869	40 24 19
	BEAM 12	13.869	41 7 25
	BEAM 13	13.869	41 51 48
	BEAM 14	13.869	42 37 30
	BEAM 15	13.869	43 24 33
	BEAM 16	13.869	44 13 0
	TOTAL	208.029	
SPAN 2	BEAM 1	0.000	35 31 34
	BEAM 2	10.949	35 52 6
	BEAM 3	10.949	36 13 0
	BEAM 4	10.949	36 34 13
	BEAM 5	10.949	36 55 48
	BEAM 6	10.949	37 17 46
	BEAM 7	10.949	37 40 5
	BEAM 8	10.949	38 2 48
	BEAM 9	10.949	38 25 54
	BEAM 10	10.949	38 49 24
	BEAM 11	10.949	39 13 19
	BEAM 12	10.949	39 37 38
	BEAM 13	10.949	40 2 23
	BEAM 14	10.949	40 27 33
	BEAM 15	10.949	40 53 10
	BEAM 16	10.949	41 19 14
	BEAM 17	10.949	41 45 45
	BEAM 18	10.949	42 12 45
	BEAM 19	10.949	42 40 12
	BEAM 20	10.949	43 8 9
	TOTAL	208.029	

BENT NO. 3 (N 23 22 33.77 E)
DISTANCE BETWEEN STATION LINE AND BEAM 1 72.989 L

		BEAM SPA (C L BENT)	BEAM ANGLE D M S
SPAN 2	BEAM 1	0.000	35 31 34
	BEAM 2	9.511	35 52 6
	BEAM 3	9.511	36 13 0
	BEAM 4	9.511	36 34 13
	BEAM 5	9.511	36 55 48
	BEAM 6	9.511	37 17 46
	BEAM 7	9.511	37 40 5
	BEAM 8	9.511	38 2 48
	BEAM 9	9.511	38 25 54
	BEAM 10	9.511	38 49 24
	BEAM 11	9.511	39 13 19
	BEAM 12	9.511	39 37 38
	BEAM 13	9.511	40 2 23
	BEAM 14	9.511	40 27 33
	BEAM 15	9.511	40 53 10
	BEAM 16	9.511	41 19 14
	BEAM 17	9.511	41 45 45
	BEAM 18	9.511	42 12 45
	BEAM 19	9.511	42 40 12
	BEAM 20	9.511	43 8 9
	TOTAL	180.703	
SPAN 3	BEAM 1	0.000	37 47 22
	BEAM 2	13.900	38 1 51
	BEAM 3	13.900	38 16 30
	BEAM 4	13.900	38 31 18
	BEAM 5	13.900	38 46 16
	BEAM 6	13.900	39 1 24
	BEAM 7	13.900	39 16 42
	BEAM 8	13.900	39 32 10
	BEAM 9	13.900	39 47 48
	BEAM 10	13.900	40 3 36
	BEAM 11	13.900	40 19 35
	BEAM 12	13.900	40 35 45
	BEAM 13	13.900	40 52 6
	BEAM 14	13.900	41 8 37
	TOTAL	180.703	

BENT NO. 4 (N 23 22 33.77 E)
DISTANCE BETWEEN STATION LINE AND BEAM 1 69.913 L

		BEAM SPA (C L BENT)	BEAM ANGLE D M S
SPAN 3	BEAM 1	0.000	37 47 22
	BEAM 2	13.319	38 1 51
	BEAM 3	13.319	38 16 30
	BEAM 4	13.319	38 31 18
	BEAM 5	13.319	38 46 16
	BEAM 6	13.319	39 1 24
	BEAM 7	13.319	39 16 42
	BEAM 8	13.319	39 32 10
	BEAM 9	13.319	39 47 48
	BEAM 10	13.319	40 3 36
	BEAM 11	13.319	40 19 35
	BEAM 12	13.319	40 35 45
	BEAM 13	13.319	40 52 6
	BEAM 14	13.319	41 8 37
	TOTAL	173.152	

BEAM REPORT

BEAM REPORT, SPAN 1

	C-C BENT	HORIZONTAL DISTANCE C-C BRG	TRUE DISTANCE BOT BEAM FLG (2)	BEAM SLOPE
BEAM 1	92.455	89.678	91.76	0.0031
BEAM 2	91.194	88.441	90.51	0.0023
BEAM 3	89.941	87.213	89.26	0.0016
BEAM 4	88.698	85.993	88.02	0.0008
BEAM 5	87.463	84.782	86.79	0.0001
BEAM 6	86.238	83.580	85.57	-0.0007
BEAM 7	85.022	82.388	84.36	-0.0015
BEAM 8	83.817	81.206	83.16	-0.0023
BEAM 9	82.623	80.035	81.98	-0.0031
BEAM 10	81.440	78.875	80.80	-0.0039
BEAM 11	80.269	77.726	79.63	-0.0047
BEAM 12	79.110	76.589	78.48	-0.0055
BEAM 13	77.964	75.465	77.34	-0.0064
BEAM 14	76.831	74.354	76.21	-0.0072
BEAM 15	75.712	73.257	75.10	-0.0081
BEAM 16	74.608	72.174	74.00	-0.0089

BEAM REPORT, SPAN 2

	C-C BENT	HORIZONTAL DISTANCE C-C BRG	TRUE DISTANCE BOT BEAM FLG (2)	BEAM SLOPE
BEAM 1	141.093	139.093	140.59	-0.0027
BEAM 2	139.925	137.925	139.43	-0.0032
BEAM 3	138.762	136.762	138.26	-0.0037
BEAM 4	137.604	135.604	137.11	-0.0042
BEAM 5	136.452	134.452	135.95	-0.0047
BEAM 6	135.305	133.305	134.81	-0.0053
BEAM 7	134.164	132.164	133.67	-0.0058
BEAM 8	133.028	131.028	132.53	-0.0063
BEAM 9	131.898	129.898	131.40	-0.0068
BEAM 10	130.775	128.775	130.28	-0.0074
BEAM 11	129.658	127.658	129.16	-0.0079
BEAM 12	128.547	126.547	128.05	-0.0084
BEAM 13	127.442	125.442	126.95	-0.0090
BEAM 14	126.344	124.344	125.85	-0.0095
BEAM 15	125.254	123.254	124.76	-0.0101
BEAM 16	124.170	122.170	123.68	-0.0106
BEAM 17	123.093	121.093	122.60	-0.0111
BEAM 18	122.024	120.024	121.53	-0.0117
BEAM 19	120.963	118.963	120.47	-0.0123
BEAM 20	119.909	117.909	119.42	-0.0128

BEAM REPORT, SPAN 3

	C-C BENT	HORIZONTAL DISTANCE C-C BRG	TRUE DISTANCE BOT BEAM FLG (2)	BEAM SLOPE
BEAM 1	84.910	82.278	84.26	-0.0088
BEAM 2	84.452	81.828	83.80	-0.0094
BEAM 3	83.995	81.380	83.35	-0.0099
BEAM 4	83.540	80.934	82.89	-0.0105
BEAM 5	83.086	80.489	82.44	-0.0111
BEAM 6	82.634	80.046	81.99	-0.0117
BEAM 7	82.184	79.604	81.54	-0.0123
BEAM 8	81.735	79.164	81.10	-0.0129
BEAM 9	81.288	78.725	80.65	-0.0135
BEAM 10	80.842	78.289	80.21	-0.0141
BEAM 11	80.399	77.853	79.77	-0.0147
BEAM 12	79.957	77.420	79.33	-0.0152
BEAM 13	79.517	76.988	78.89	-0.0158
BEAM 14	79.078	76.558	78.46	-0.0164

(2) GIRDER LENGTHS SHOWN ARE BOTTOM GIRDER FLANGE LENGTHS WITH ADJUSTMENTS MADE FOR GIRDER SLOPE.

HL93 LOADING

Texas Department of Transportation

Bridge Division

FRAMING PLAN

(SPANS 1-3)

US 99 OVERPASS AT UPRR

FILE:	DN:	CK:	DW:	CK:
©TxDOT	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.

DATE:
FILE: