

PLAN SURVEYED BY DATE
 NO. CHECKED BY
 NOTE BOOK ALIGNED CHECKED BY
 DATE LAST WORKED ON: 7/16/84
 BRENT BEUSBERG

Q CURVE DATA E. Bd. (C60)
 $\Delta=32^{\circ}08'19''$ $D=5^{\circ}34'50''$ $R=1026.72'$ $L=575.91'$ $T=295.75'$ $E=41.75'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=1^{\circ}16'04''09.5''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB
55+12.78				0°00'00"	0°00'00"
55+50	37.24'	38.95'	36.01'	1°02'21"	1°02'21"
55+88.80	18.80'	16.87'	16.24'	0°28'08"	1°30'29"
56+00	33.20'	32.94'	33.20'	0°55'35"	2°26'03"
56+23.40	23.40'	23.22'	23.40'	0°39'11"	3°05'14"
56+50	26.60'	26.39'	25.72'	0°44'32"	3°49'46"
57+00	50.00'	49.81'	48.34'	1°23'42"	5°13'28"
57+50	50.00'	49.81'	48.34'	1°23'42"	6°37'10"
58+00	50.00'	49.81'	48.34'	1°23'42"	8°00'53"
58+50	50.00'	49.81'	48.34'	1°23'42"	9°24'35"
59+00	50.00'	49.81'	48.34'	1°23'42"	10°48'18"
59+50	50.00'	49.81'	48.34'	1°23'42"	12°12'00"
60+00	50.00'	49.81'	48.34'	1°23'42"	13°35'42"
60+50	50.00'	49.81'	48.34'	1°23'42"	14°59'25"
60+88.87	38.67'	38.37'	37.39'	1°04'44"	16°04'10"
TOTAL	575.91'	571.42'	502.11'		Defl./Fl. = 1.67418 min.

Q CURVE DATA E. Bd. (C61)
 $\Delta=5^{\circ}52'39''$ $D=1^{\circ}32'11''$ $R=3729.00'$ $L=252.36'$ $T=128.23'$ $E=2.14'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=1^{\circ}56'19.5''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
60+88.87				0°00'00"	0°00'00"		
61+00	11.33'	11.35'	11.43'	11.33'	11.45'	0°05'13"	0°05'13"
61+41.07	41.07'	41.44'	41.07'	41.55'	0°18'56"	0°24'09"	
61+50	8.95'	9.01'	8.95'	9.03'	0°04'07"	0°28'16"	
62+00	50.00'	50.46'	50.00'	50.56'	0°23'03"	0°51'19"	
62+43.14	43.14'	43.53'	43.14'	43.63'	0°19'53"	1°11'13"	
62+50	6.86'	6.92'	6.86'	6.94'	0°25'10"	1°19'42"	
63+00	50.00'	50.11'	50.46'	50.56'	0°23'03"	1°37'25"	
63+41.04	41.04'	41.12'	41.41'	41.50'	0°18'55"	1°56'20"	
TOTAL	252.36'	109.46'	254.66'		Defl./Fl. = 0.46949 min.		

Q CURVE DATA E. Bd. (C62)
 $\Delta=25^{\circ}51'23''$ $D=6^{\circ}49'45''$ $R=839.00'$ $L=378.82'$ $T=192.59'$ $E=21.82'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=12^{\circ}55'41.5''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
63+41.04				0°00'00"	0°00'00"		
63+50	8.96'	9.05'	9.33'	9.88'	9.41'	0°18'22"	0°18'22"
64+00	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	2°00'48"
64+50	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	3°43'14"
65+00	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	5°25'40"
65+50	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	7°08'07"
66+00	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	8°50'33"
66+50	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	10°32'59"
67+00	50.00'	50.48'	52.03'	49.99'	52.50'	1°42'26"	12°15'25"
67+19.66	19.66'	19.84'	20.45'	19.66'	20.44'	0°40'16"	12°55'42"
TOTAL	378.82'	382.23'	393.96'		Defl./Fl. = 2.04874 min.		

Q CURVE DATA E. Bd. (C66)
 $\Delta=15^{\circ}05'19''$ $D=6^{\circ}49'45''$ $R=839.00'$ $L=220.95'$ $T=111.12'$ $E=7.35'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=7^{\circ}32'39.5''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
64+98.71				0°00'00"	0°00'00"		
65+00	1.29'	1.34'	1.30'	1.32'	1.32'	0°02'39"	0°02'39"
65+50	50.00'	52.03'	50.48'	51.54'	50.95'	1°42'26"	1°45'05"
66+00	50.00'	52.03'	50.48'	51.54'	50.95'	1°42'26"	3°27'31"
66+50	50.00'	52.03'	50.48'	51.54'	50.95'	1°42'26"	5°09'57"
67+00	50.00'	52.03'	50.48'	51.54'	50.95'	1°42'26"	6°52'23"
67+19.66	19.66'	20.45'	19.84'	20.27'	20.25'	0°40'16"	7°32'39"
TOTAL	220.95'	229.90'	223.06'		Defl./Fl. = 2.04891 min.		

Q CURVE DATA E. Bd. (C67)
 $\Delta=24^{\circ}38'47''$ $D=9^{\circ}50'10''$ $R=582.50'$ $L=250.57'$ $T=127.25'$ $E=13.74'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=12^{\circ}19'23.5''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
67+19.66				0°00'00"	0°00'00"		
67+50	30.34'	30.76'	32.11'	30.34'	32.55'	1°29'32"	1°29'32"
68+00	50.00'	50.69'	52.92'	49.38'	53.59'	2°27'33"	3°57'05"
68+50	50.00'	50.69'	52.92'	49.38'	53.59'	2°27'33"	6°24'38"
69+00	50.00'	50.69'	52.92'	49.38'	53.59'	2°27'33"	8°52'10"
69+33	33.00'	33.45'	34.93'	33.00'	35.37'	1°29'23"	10°21'32"
69+50	17.00'	17.23'	17.99'	17.00'	18.23'	0°50'10"	11°19'42"
69+53	3.00'	3.04'	3.18'	3.00'	3.22'	0°08'51"	11°28'33"
69+70.23	17.23'	17.46'	18.23'	17.23'	18.47'	0°50'50"	12°19'24"
TOTAL	250.57'	254.01'	265.20'		Defl./Fl. = 2.95089 min.		

Q CURVE DATA E. Bd. (C55)
 $\Delta=49^{\circ}45'12''$ $D=15^{\circ}54'58''$ $R=360.00'$ $L=312.81'$ $T=168.93'$ $E=36.82'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=24^{\circ}52'36.0''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
69+83.23				0°00'00"	0°00'00"		
70+00	16.77'	16.40'	16.77'	14.81'	14.20'05"	1°20'05"	1°20'05"
70+19.30	19.30'	18.87'	19.30'	17.05'	17.05'	1°32'09"	2°52'14"
70+29.84	10.34'	10.11'	9.36'	10.34'	9.13'	0°49'22"	3°41'36"
70+50	20.36'	19.91'	18.44'	20.36'	17.98'	1°37'13"	5°18'49"
70+75	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	7°18'11"
70+99.70	24.70'	24.15'	22.37'	24.70'	21.81'	1°57'56"	9°16'07"
71+00	0.30'	0.29'	0.27'	0.30'	0.26'	0°01'26"	9°17'33"
71+25	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	11°16'55"
71+50	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	13°16'17"
71+75	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	15°15'39"
71+95.84	20.84'	20.38'	18.87'	20.84'	18.41'	1°39'30"	16°55'09"
72+00	4.16'	4.07'	3.77'	4.16'	3.67'	0°19'52"	17°15'01"
72+25	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	19°14'23"
72+50	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	21°13'45"
72+75	25.00'	24.44'	22.64'	24.99'	22.08'	1°59'22"	23°13'07"
72+95.84	20.84'	20.37'	18.87'	20.83'	18.40'	1°39'29"	24°52'36"
TOTAL	312.81'	305.65'	250.42'		Defl./Fl. = 4.774639 min.		

Q CURVE DATA E. Bd. (C56)
 $\Delta=32^{\circ}21'16''$ $D=8^{\circ}04'11''$ $R=710.00'$ $L=400.93'$ $T=205.97'$ $E=29.27'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=16^{\circ}10'38.0''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
72+95.84				0°00'00"	0°00'00"		
73+00	4.16'	4.12'	3.96'	4.16'	3.92'	0°10'05"	0°10'05"
73+50	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	2°11'08"
74+00	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	4°12'10"
74+50	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	6°13'13"
75+00	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	8°14'16"
75+50	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	10°15'19"
76+00	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	12°16'22"
76+50	50.00'	49.44'	47.61'	49.99'	47.03'	2°01'03"	14°17'25"
76+96.77	46.77'	46.24'	44.53'	46.76'	43.99'	1°53'13"	16°10'38"
TOTAL	400.93'	396.41'	381.73'		Defl./Fl. = 2.02955 min.		

W. Bd. (C64)
 $\Delta=34^{\circ}59'40''$ $D=8^{\circ}38'17''$ $R=663.23'$ $L=405.12'$ $T=209.10'$ $E=32.18'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=17^{\circ}29'50.0''$

STATION (EAST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
56+92.05				0°00'00"	0°00'00"		
57+00	17.95'	18.17'	18.87'	18.38'	18.66'	0°48'31"	0°48'31"
57+50	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	2°58'06"
58+00	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	5°07'40"
58+50	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	7°17'14"
59+00	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	9°26'48"
59+50	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	11°36'22"
60+00	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	13°45'57"
60+50	50.00'	50.60'	52.56'	51.19'	51.95'	2°09'34"	15°55'31"
60+87.16	37.16'	37.61'	39.07'	38.05'	38.61'	1°36'19"	17°29'50"
TOTAL	405.12'	410.00'	425.88'		Defl./Fl. = 2.591413 min.		

W. Bd. (C80)
 $\Delta=6^{\circ}58'10''$ $D=5^{\circ}01'59''$ $R=1889.00'$ $L=163.84'$ $T=81.97'$ $E=1.78'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=2^{\circ}29'05.0''$

STATION (WEST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
60+87.16				0°00'00"	0°00'00"		
61+00	12.84'	12.78'	13.07'	12.84'	13.01'	0°11'41"	0°11'41"
61+50	50.00'	49.79'	50.90'	50.69'	49.50'	0°45'30"	0°57'11"
61+57.71	7.71'	7.68'	7.85'	7.71'	7.82'	0°07'01"	1°04'12"
62+00	42.29'	42.11'	43.05'	42.29'	42.97'	0°38'29"	1°42'40"
62+50	50.00'	49.79'	50.90'	50.00'	50.69'	0°45'30"	2°28'10"
62+51.01	1.01'	1.00'	1.02'	1.00'	1.02'	0°00'55"	2°29'05"
TOTAL	163.84'	163.15'	166.79'		Defl./Fl. = 0.90932 min.		

W. Bd. (C81)
 $\Delta=22^{\circ}28'13''$ $D=8^{\circ}31'31''$ $R=672.02'$ $L=263.57'$ $T=133.50'$ $E=13.15'$
 CURVE DATA BASED ON Q RADIUS $\Delta/2=11^{\circ}14'06.5''$

STATION (WEST BOUND)	ARC LENGTH	FACE CURB LENGTH	CHORD LENGTH	DEFLECTION ANGLE	TOTAL DEFLECTION		
		LEFT CURB	RIGHT CURB	OFF LEFT FACE CURB	OFF RIGHT FACE CURB		
62+51.01				0°00'00"	0°00'00"		
62+59.94	8.93'	8.83'	8.72'	8.93'	8.59'	0°22'51"	0°22'51"
63+00	40.06'	39.58'	38.03'	39.10'	38.50'	1°42'27"	2°05'19"
63+50	50.00'	49.40'	47.47'	48.80'	48.05'	2°07'53"	4°13'11"
64+00	50.00'	49.40'	47.47'	48.80'	48.05'	2°07'53"	6°21'04"
64+50	50.00'	49.40'	47.47'	48.80'	48.05'	2°07'53"	8°28'57"
65+14.58	64.57'	63.81'	61.31'	63.01'	62.05'	2°45'09"	11°14'07"
TOTAL	263.57'	260.43'	241.75'		Defl./Fl. = 2.55766 min.		