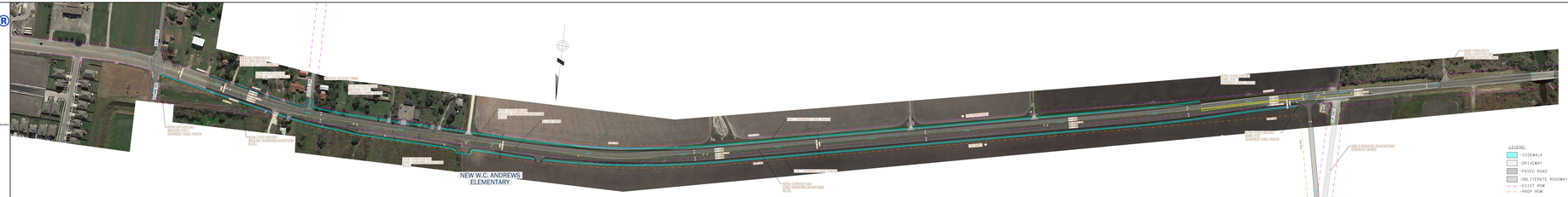
Texas Department of Transportation

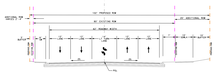
CORPUS CHRISTI DISTRICT

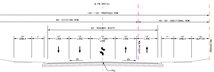
PROPOSED SCHEMATIC FM 893

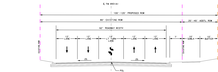
CSJ:	1209-05-030
HIGHWAY:	FM 893
COUNTY:	SAN PATRICIO
LIMITS:	FROM: STARK RD TO: 0.2 MI W OF CR 3567
LENGTH:	APPROX. 1.410 MI
DESC:	UPGRADE ROADWAY TO 5 LANE CURB AND GUTTER
FUNCTIONAL CLASS:	MAJOR COLLECTOR
ADT:	2017 3,900 2037 2,600
DESIGN SPEED:	45 MPH
SCALE:	1" = 100'

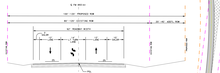
JANUARY 29, 2019







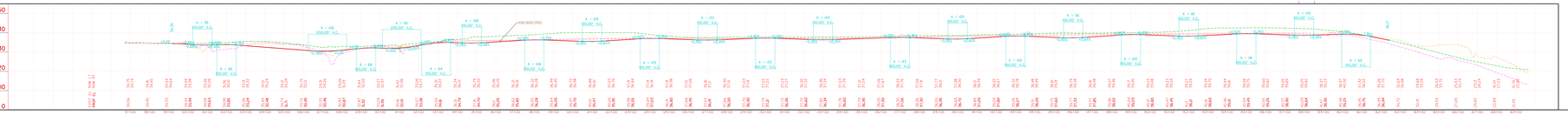




DOCUMENT IS FOR SYSTEM REVIEW AND IS NOT INTENDED FOR CONSTRUCTION, BIDDING, OR PERMIT PURPOSES.

AARON ADALIZ ARRIOS , P.E.
LICENSED
STATE OF TEXAS NUMBER
DATE

PRELIMINARY
SUBJECT TO REVISION



ALIGNMENT DATA "A"

Alignment Name: 6450
Alignment Description:
Alignment Date:

	Station	Northing	Easting
Alignment Start	Sect_Corridore Station		
Element Linear			
POB	604+94.72 M1	1721984.20	1360559.52
PI	724+52.27 M1	1722384.27	1360391.08
POE	814+07.23 M1		
Tangent Direction	N 5°22'56.23" W		
Alignment Circular			
POB	724+52.27 M1	1722384.27	1360391.08
PI	814+07.23 M1	1722867.49	1360381.98
POE		1723266.52	1360547.22
Radius	914.00 ft		
Delta	49°38'16.51" Left		
Degree of Curvature (Arc)	6°30'00.00"		
Length		1451.19	
Tangents		544.10	
Chord		1406.42	
Middle Ordinate		274.06	
External		355.55	
Tangent Direction	N 5°22'56.23" W		
Chord Direction	N 20°21'07.28" W		
Tangent Direction	N 35°19'18.33" W		
Alignment Spiral			
POB	814+07.23 M1	1723266.52	1360547.22
PI	874+03.73 M1	1723629.24	1360777.75
POE	934+01.23 M1		
Tangent Direction	N 35°19'18.33" W		
Alignment Circular			
POB	874+03.73 M1	1723629.24	1360777.75
PI	904+02.73 M1	1723854.67	1360963.22
POE	934+01.23 M1	1723980.32	1361246.12
Radius	1432.00 ft		
Delta	12°58'53.10" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		298.75	
Tangents		149.50	
Chord		298.20	
Middle Ordinate		19.56	
External		7.82	
Tangent Direction	N 35°19'18.33" W		
Chord Direction	N 41°51'27.60" W		
Tangent Direction	N 48°23'36.87" W		
Alignment Spiral			
POB	934+01.23 M1	1723980.32	1361246.12
PI	994+00.88 M1	1724069.07	1361491.22
POE	1054+00.53 M1		
Tangent Direction	N 48°23'36.87" W		
Alignment Circular			
POB	994+00.88 M1	1724069.07	1361491.22
PI	1024+00.53 M1	1724159.75	1361614.95
POE	1054+00.19 M1	1724244.22	1361738.54
Radius	1527.00 ft		
Delta	11°32'33.37" Left		
Degree of Curvature (Arc)	3°30'00.00"		
Length		599.92	
Tangents		306.65	
Chord		598.78	
Middle Ordinate		38.07	
External		49.08	
Tangent Direction	N 48°23'36.87" W		
Chord Direction	N 37°07'18.24" W		
Tangent Direction	N 25°50'59.61" W		
Alignment Spiral			
POB	1054+00.19 M1	1724244.22	1361738.54
PI	1114+43.74 M1	1724324.17	1361864.65
POE	1175+87.29 M1		
Tangent Direction	N 25°50'59.61" W		
Alignment Circular			
POB	1114+43.74 M1	1724324.17	1361864.65
PI	1146+65.51 M1	1724369.07	1361929.65
POE	1178+87.29 M1	1724414.06	1361994.65
Radius	1527.00 ft		
Delta	12°05'00.00" Left		
Degree of Curvature (Arc)	3°30'00.00"		
Length		1064.37	
Tangents		544.78	
Chord		1062.14	
Middle Ordinate		70.97	
External		91.54	
Tangent Direction	N 25°50'59.61" W		
Chord Direction	N 13°47'29.57" W		
Tangent Direction	N 1°43'59.53" W		
Alignment Spiral			
POB	1178+87.29 M1	1724414.06	1361994.65
PI	1239+31.79 M1	1724464.22	1361968.54
POE	1299+76.29 M1		
Tangent Direction	N 1°43'59.53" W		
Alignment Circular			
POB	1239+31.79 M1	1724464.22	1361968.54
PI	1269+54.04 M1	1724488.60	1361948.05
POE	1299+76.29 M1	1724513.00	1361927.56
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 1°43'59.53" W		
Chord Direction	N 7°14'13.24" W		
Tangent Direction	N 12°44'26.95" W		
Alignment Spiral			
POB	1299+76.29 M1	1724513.00	1361927.56
PI	1359+21.79 M1	1724564.22	1361906.07
POE	1419+67.29 M1		
Tangent Direction	N 12°44'26.95" W		
Alignment Circular			
POB	1359+21.79 M1	1724564.22	1361906.07
PI	1389+44.54 M1	1724589.60	1361885.58
POE	1419+67.29 M1	1724615.00	1361865.09
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 12°44'26.95" W		
Chord Direction	N 18°14'13.24" W		
Tangent Direction	N 23°43'59.53" W		
Alignment Spiral			
POB	1419+67.29 M1	1724615.00	1361865.09
PI	1479+12.79 M1	1724660.22	1361828.60
POE	1538+58.29 M1		
Tangent Direction	N 23°43'59.53" W		
Alignment Circular			
POB	1479+12.79 M1	1724660.22	1361828.60
PI	1508+35.54 M1	1724682.60	1361809.65
POE	1537+58.29 M1	1724705.00	1361790.69
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 23°43'59.53" W		
Chord Direction	N 29°14'13.24" W		
Tangent Direction	N 34°44'26.95" W		
Alignment Spiral			
POB	1537+58.29 M1	1724705.00	1361790.69
PI	1597+03.79 M1	1724750.22	1361753.20
POE	1656+49.29 M1		
Tangent Direction	N 34°44'26.95" W		
Alignment Circular			
POB	1597+03.79 M1	1724750.22	1361753.20
PI	1626+26.54 M1	1724774.60	1361733.25
POE	1655+49.29 M1	1724799.00	1361713.30
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 34°44'26.95" W		
Chord Direction	N 40°14'13.24" W		
Tangent Direction	N 45°43'59.53" W		
Alignment Spiral			
POB	1655+49.29 M1	1724799.00	1361713.30
PI	1714+94.79 M1	1724844.22	1361676.81
POE	1774+40.29 M1		
Tangent Direction	N 45°43'59.53" W		
Alignment Circular			
POB	1714+94.79 M1	1724844.22	1361676.81
PI	1744+17.54 M1	1724868.60	1361656.86
POE	1773+40.29 M1	1724893.00	1361636.91
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 45°43'59.53" W		
Chord Direction	N 51°14'13.24" W		
Tangent Direction	N 56°44'26.95" W		
Alignment Spiral			
POB	1773+40.29 M1	1724893.00	1361636.91
PI	1832+85.79 M1	1724938.22	1361599.42
POE	1892+31.29 M1		
Tangent Direction	N 56°44'26.95" W		
Alignment Circular			
POB	1832+85.79 M1	1724938.22	1361599.42
PI	1862+08.54 M1	1724962.60	1361579.48
POE	1891+31.29 M1	1724987.00	1361559.53
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 56°44'26.95" W		
Chord Direction	N 62°14'13.24" W		
Tangent Direction	N 67°43'59.53" W		
Alignment Spiral			
POB	1891+31.29 M1	1724987.00	1361559.53
PI	1950+76.79 M1	1725032.22	1361522.04
POE	2010+22.29 M1		
Tangent Direction	N 67°43'59.53" W		
Alignment Circular			
POB	1950+76.79 M1	1725032.22	1361522.04
PI	1980+99.54 M1	1725056.60	1361502.09
POE	2011+22.29 M1	1725081.00	1361482.14
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 67°43'59.53" W		
Chord Direction	N 73°14'13.24" W		
Tangent Direction	N 78°44'26.95" W		
Alignment Spiral			
POB	2011+22.29 M1	1725081.00	1361482.14
PI	2070+67.79 M1	1725126.22	1361445.65
POE	2130+13.29 M1		
Tangent Direction	N 78°44'26.95" W		
Alignment Circular			
POB	2070+67.79 M1	1725126.22	1361445.65
PI	2100+90.54 M1	1725150.60	1361425.70
POE	2131+13.29 M1	1725175.00	1361405.75
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 78°44'26.95" W		
Chord Direction	N 84°14'13.24" W		
Tangent Direction	N 89°43'59.53" W		
Alignment Spiral			
POB	2131+13.29 M1	1725175.00	1361405.75
PI	2190+58.79 M1	1725220.22	1361368.26
POE	2250+04.29 M1		
Tangent Direction	N 89°43'59.53" W		
Alignment Circular			
POB	2190+58.79 M1	1725220.22	1361368.26
PI	2220+81.54 M1	1725244.60	1361348.31
POE	2251+04.29 M1	1725269.00	1361328.36
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	N 89°43'59.53" W		
Chord Direction	S 85°14'13.24" W		
Tangent Direction	S 80°44'26.95" W		
Alignment Spiral			
POB	2251+04.29 M1	1725269.00	1361328.36
PI	2310+49.79 M1	1725314.22	1361291.87
POE	2369+95.29 M1		
Tangent Direction	S 80°44'26.95" W		
Alignment Circular			
POB	2310+49.79 M1	1725314.22	1361291.87
PI	2340+72.54 M1	1725338.60	1361271.92
POE	2370+95.29 M1	1725363.00	1361251.97
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 80°44'26.95" W		
Chord Direction	S 74°14'13.24" W		
Tangent Direction	S 67°43'59.53" W		
Alignment Spiral			
POB	2370+95.29 M1	1725363.00	1361251.97
PI	2430+40.79 M1	1725408.22	1361214.48
POE	2489+86.29 M1		
Tangent Direction	S 67°43'59.53" W		
Alignment Circular			
POB	2430+40.79 M1	1725408.22	1361214.48
PI	2460+63.54 M1	1725432.60	1361194.53
POE	2490+86.29 M1	1725457.00	1361174.58
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 67°43'59.53" W		
Chord Direction	S 61°14'13.24" W		
Tangent Direction	S 54°44'26.95" W		
Alignment Spiral			
POB	2490+86.29 M1	1725457.00	1361174.58
PI	2550+31.79 M1	1725502.22	1361137.09
POE	2609+77.29 M1		
Tangent Direction	S 54°44'26.95" W		
Alignment Circular			
POB	2550+31.79 M1	1725502.22	1361137.09
PI	2580+54.54 M1	1725526.60	1361117.14
POE	2610+77.29 M1	1725551.00	1361097.19
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 54°44'26.95" W		
Chord Direction	S 48°14'13.24" W		
Tangent Direction	S 41°43'59.53" W		
Alignment Spiral			
POB	2610+77.29 M1	1725551.00	1361097.19
PI	2670+22.79 M1	1725596.22	1361059.70
POE	2729+68.29 M1		
Tangent Direction	S 41°43'59.53" W		
Alignment Circular			
POB	2670+22.79 M1	1725596.22	1361059.70
PI	2699+45.54 M1	1725620.60	1361039.75
POE	2728+68.29 M1	1725645.00	1361019.80
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 41°43'59.53" W		
Chord Direction	S 35°14'13.24" W		
Tangent Direction	S 28°44'26.95" W		
Alignment Spiral			
POB	2728+68.29 M1	1725645.00	1361019.80
PI	2788+13.79 M1	1725690.22	1361982.31
POE	2847+59.29 M1		
Tangent Direction	S 28°44'26.95" W		
Alignment Circular			
POB	2788+13.79 M1	1725690.22	1361982.31
PI	2817+36.54 M1	1725714.60	1361962.36
POE	2846+59.29 M1	1725739.00	1361942.41
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 28°44'26.95" W		
Chord Direction	S 22°14'13.24" W		
Tangent Direction	S 15°43'59.53" W		
Alignment Spiral			
POB	2846+59.29 M1	1725739.00	1361942.41
PI	2905+04.79 M1	1725784.22	1361904.92
POE	2963+50.29 M1		
Tangent Direction	S 15°43'59.53" W		
Alignment Circular			
POB	2905+04.79 M1	1725784.22	1361904.92
PI	2934+27.54 M1	1725808.60	1361884.97
POE	2963+50.29 M1	1725833.00	1361865.02
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 15°43'59.53" W		
Chord Direction	S 9°14'13.24" W		
Tangent Direction	S 2°44'26.95" W		
Alignment Spiral			
POB	2963+50.29 M1	1725833.00	1361865.02
PI	3022+95.79 M1	1725878.22	1361827.53
POE	3082+41.29 M1		
Tangent Direction	S 2°44'26.95" W		
Alignment Circular			
POB	3022+95.79 M1	1725878.22	1361827.53
PI	3052+18.54 M1	1725902.60	1361807.58
POE	3081+41.29 M1	1725927.00	1361787.63
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 2°44'26.95" W		
Chord Direction	S 3°15'46.76" E		
Tangent Direction	S 9°16'19.36" E		
Alignment Spiral			
POB	3081+41.29 M1	1725927.00	1361787.63
PI	3140+86.79 M1	1725972.22	1361750.14
POE	3200+32.29 M1		
Tangent Direction	S 9°16'19.36" E		
Alignment Circular			
POB	3140+86.79 M1	1725972.22	1361750.14
PI	3170+09.54 M1	1725996.60	1361730.19
POE	3199+32.29 M1	1726021.00	1361710.24
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 9°16'19.36" E		
Chord Direction	S 15°46'46.76" E		
Tangent Direction	S 22°17'13.96" E		
Alignment Spiral			
POB	3199+32.29 M1	1726021.00	1361710.24
PI	3258+77.79 M1	1726066.22	1361672.75
POE	3318+23.29 M1		
Tangent Direction	S 22°17'13.96" E		
Alignment Circular			
POB	3258+77.79 M1	1726066.22	1361672.75
PI	3288+00.54 M1	1726090.60	1361652.80
POE	3317+23.29 M1	1726115.00	1361632.85
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 22°17'13.96" E		
Chord Direction	S 28°47'46.76" E		
Tangent Direction	S 35°18'19.56" E		
Alignment Spiral			
POB	3317+23.29 M1	1726115.00	1361632.85
PI	3376+68.79 M1	1726160.22	1361595.36
POE	3436+14.29 M1		
Tangent Direction	S 35°18'19.56" E		
Alignment Circular			
POB	3376+68.79 M1	1726160.22	1361595.36
PI	3406+91.54 M1	1726184.60	1361575.41
POE	3437+14.29 M1	1726209.00	1361555.46
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 35°18'19.56" E		
Chord Direction	S 41°48'46.76" E		
Tangent Direction	S 48°19'13.96" E		
Alignment Spiral			
POB	3437+14.29 M1	1726209.00	1361555.46
PI	3496+59.79 M1	1726254.22	1361517.97
POE	3556+05.29 M1		
Tangent Direction	S 48°19'13.96" E		
Alignment Circular			
POB	3496+59.79 M1	1726254.22	1361517.97
PI	3526+82.54 M1	1726278.60	1361498.02
POE	3556+05.29 M1	1726303.00	1361478.07
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 48°19'13.96" E		
Chord Direction	S 54°49'46.76" E		
Tangent Direction	S 61°20'19.56" E		
Alignment Spiral			
POB	3556+05.29 M1	1726303.00	1361478.07
PI	3615+50.79 M1	1726348.22	1361440.58
POE	3674+96.29 M1		
Tangent Direction	S 61°20'19.56" E		
Alignment Circular			
POB	3615+50.79 M1	1726348.22	1361440.58
PI	3644+73.54 M1	1726372.60	1361420.63
POE	3673+96.29 M1	1726397.00	1361400.68
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 61°20'19.56" E		
Chord Direction	S 67°50'46.76" E		
Tangent Direction	S 74°21'13.96" E		
Alignment Spiral			
POB	3673+96.29 M1	1726397.00	1361400.68
PI	3733+41.79 M1	1726442.22	1361363.19
POE	3792+87.29 M1		
Tangent Direction	S 74°21'13.96" E		
Alignment Circular			
POB	3733+41.79 M1	1726442.22	1361363.19
PI	3762+64.54 M1	1726466.60	1361343.24
POE	3791+87.29 M1	1726491.00	1361323.29
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 74°21'13.96" E		
Chord Direction	S 80°51'46.76" E		
Tangent Direction	S 87°22'19.56" E		
Alignment Spiral			
POB	3791+87.29 M1	1726491.00	1361323.29
PI	3851+32.79 M1	1726536.22	1361285.80
POE	3910+78.29 M1		
Tangent Direction	S 87°22'19.56" E		
Alignment Circular			
POB	3851+32.79 M1	1726536.22	1361285.80
PI	3880+55.54 M1	1726560.60	1361265.85
POE	3909+78.29 M1	1726585.00	1361245.90
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 87°22'19.56" E		
Chord Direction	S 87°53'46.76" E		
Tangent Direction	S 88°25'13.96" E		
Alignment Spiral			
POB	3909+78.29 M1	1726585.00	1361245.90
PI	3969+23.79 M1	1726630.22	1361208.41
POE	4028+69.29 M1		
Tangent Direction	S 88°25'13.96" E		
Alignment Circular			
POB	3969+23.79 M1	1726630.22	1361208.41
PI	3998+46.54 M1	1726654.60	1361188.46
POE	4027+69.29 M1	1726679.00	1361168.51
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 88°25'13.96" E		
Chord Direction	S 82°54'46.76" E		
Tangent Direction	S 77°24'19.56" E		
Alignment Spiral			
POB	4027+69.29 M1	1726679.00	1361168.51
PI	4087+14.79 M1	1726724.22	1361131.02
POE	4146+60.29 M1		
Tangent Direction	S 77°24'19.56" E		
Alignment Circular			
POB	4087+14.79 M1	1726724.22	1361131.02
PI	4116+37.54 M1	1726748.60	1361111.07
POE	4145+60.29 M1	1726773.00	1361091.12
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 77°24'19.56" E		
Chord Direction	S 71°54'46.76" E		
Tangent Direction	S 66°25'13.96" E		
Alignment Spiral			
POB	4145+60.29 M1	1726773.00	1361091.12
PI	4205+05.79 M1	1726818.22	1361053.63
POE	4264+51.29 M1		
Tangent Direction	S 66°25'13.96" E		
Alignment Circular			
POB	4205+05.79 M1	1726818.22	1361053.63
PI	4234+28.54 M1	1726842.60	1361033.68
POE	4263+51.29 M1	1726867.00	1361013.73
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 66°25'13.96" E		
Chord Direction	S 60°54'46.76" E		
Tangent Direction	S 55°24'19.56" E		
Alignment Spiral			
POB	4263+51.29 M1	1726867.00	1361013.73
PI	4322+96.79 M1	1726912.22	1360976.24
POE	4382+42.29 M1		
Tangent Direction	S 55°24'19.56" E		
Alignment Circular			
POB	4322+96.79 M1	1726912.22	1360976.24
PI	4352+19.54 M1	1726936.60	1360956.29
POE	4381+42.29 M1	1726961.00	1360936.34
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 55°24'19.56" E		
Chord Direction	S 49°54'46.76" E		
Tangent Direction	S 44°25'13.96" E		
Alignment Spiral			
POB	4381+42.29 M1	1726961.00	1360936.34
PI	4440+87.79 M1	1727006.22	1360898.85
POE	4500+33.29 M1		
Tangent Direction	S 44°25'13.96" E		
Alignment Circular			
POB	4440+87.79 M1	1727006.22	1360898.85
PI	4470+10.54 M1	1727030.60	1360878.90
POE	4499+33.29 M1	1727055.00	1360858.95
Radius	1432.00 ft		
Delta	12°16'33.75" Right		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 44°25'13.96" E		
Chord Direction	S 38°54'46.76" E		
Tangent Direction	S 33°24'19.56" E		
Alignment Spiral			
POB	4499+33.29 M1	1727055.00	1360858.95
PI	4558+78.79 M1	1727100.22	1360821.46
POE	4618+24.29 M1		
Tangent Direction	S 33°24'19.56" E		
Alignment Circular			
POB	4558+78.79 M1	1727100.22	1360821.46
PI	4588+01.54 M1	1727124.60	1360801.51
POE	4617+24.29 M1	1727149.00	1360781.56
Radius	1432.00 ft		
Delta	12°16'33.75" Left		
Degree of Curvature (Arc)	4°00'00.00"		
Length		1060.60	
Tangents		547.19	
Chord		1058.02	
Middle Ordinate		75.28	
External		97.06	
Tangent Direction	S 33°24'19.56" E		
Chord Direction	S 27°54'46.76" E		
Tangent