VERTICAL AND HORIZONTAL CONTROL POINTS								
POINT	NORTH	EAST	ELEVATION	CHAIN RCLPSOANA		CHAIN RCLEEXRDA		DESCRIPTION
				STATION	OFFSET	STATION	OFFSET	
1	1560062.99	2251522.38	761.29	63+93.89	59.25', LT	13+99.90	59.25', LT	5/8" ROD S.W. QUADRANT OF SONGETAHA AND SEMINOLE
2	1560507.04	2251420.35	762.98	64+81.53	452.80', LT	14+87.55	452.80', LT	5/8" ROD SET E. SIDE SEMINOLE RD.
3	1559670.16	2251492.88	786.36	60+21.08	25.56', RT	10+21.18	6.47', LT	PK NAIL SET IN W. LANE OF BRIDGE
4	1559334.23	2251351.69	774.79	56+64.34	55.43', LT	6+71.05	54.38', LT	5/8" ROD SET IN W. SIDE OF SOANGETAHA NORTH OF 1ST DRIVEWAY SOUTH SIDE OF BRIDGE
5	1559120.09	2251518.46	771.43	54+00.12	29.25', LT	4+18.98	29.25' LT	5/8" ROD SET IN BRICK CENTURY LINK BUILDING

BENCHMARKS								
POINT	NORTH	EAST	ELEVATION	CHAIN RCLPSOANA		CHAIN RCLEEXRDA		DESCRIPTION
				STATION	OFFSET	STATION	OFFSET	
401	1559181.87	2251555.46	770.20	53+73.08	31.88', RT	3+80.94	31.88', RT	CHISLED "X" ON N.W. BOLT FIRE HYDRANT N. OF ENTRANCE TO CENTURY LINK BLDG.
402	1560264.11	2251321.14	767.91	64+22.76	338.61', LT	14+28.77	338.61', LT	CHISLED "X" ON HYDRANT S. SIDE OF SEMINOLE DR. 300'+/- WEST OF INTERSECTION OF SOANGETAHA.

Chain RCLEEXRDA contains:
RCEEXRD01 CUR RCEEXRD01 CUR RCEEXRD02 CUR RCEEXRD03 CUR RCEEXRD04
RCEEXRD02
Beginning chain RCLEEXRDA description
==========

Point RCEEXRD01 N 1,559,150.4970 E 2,251,585.9410 Sta 3+50.9963

Course from RCEEXRD01 to PC RCEEXRD01 S 89° 01' 33.6691" W Dist 77.7877

Existing
Curve Data

Curve RCEEXRD01
P.I. Station 5+29.3803 N 1,559,147.4648 E 2,251,407.5828
Delta = 90° 20' 26.3718" (RT)
Degree = 57° 17' 44.8062"
Tangent = 100.5963
Length = 157.6742
Radius = 100.0000
External = 41.8437
Long Chord = 141.8411
Mid. Ord. = 29.4998
P.C. Station 4+28.7840 N 1,559,149.1747 E 2,251,508.1646
P.T. Station 5+86.4582 N 1,559,248.0550 E 2,251,406.4708
C.C. N 1,559,249.1603 E 2,251,506.4647
Back = S 89° 01' 33.6689" W
Ahead = N 0° 37' 59.9592" W
Chord Bear = N 45° 48' 13.1452" W

Course from PT RCEEXRD01 to PC RCEEXRD02 N 0° 37' 59.9592" W Dist 59.4799

Existing
Curve Data

Curve RCEEXRD02
P.I. Station 7+69.7394 N 1,559,431.3250 E 2,251,404.4450
Delta = 22° 24' 30.5427" (RT)
Degree = 9° 10' 02.3690"
Tangent = 123.8014
Length = 244.4386
Radius = 625.0000
External = 12.1435
Long Chord = 242.8837
Mid. Ord. = 11.9120
P.C. Station 6+45.9380 N 1,559,307.5312 E 2,251,405.8134
P.T. Station 8+90.3767 N 1,559,546.2928 E 2,251,450.3710
C.C. N 1,559,314.4395 E 2,252,030.7752
Back = N 0° 37' 59.9592" W
Ahead = N 21° 46' 30.5835" E
Chord Bear = N 10° 34' 15.3121" E

Course from PT RCEEXRD02 to PC RCEEXRD03 N 21° 46' 30.5835" E Dist 192.2405

Existing
Curve Data

Curve RCEEXRD03
P.I. Station 11+65.1481 N 1,559,801.4584 E 2,251,552.3017
Delta = 23° 18' 58.2294" (LT)
Degree = 14° 19' 26.2016"
Tangent = 82.5309
Length = 162.7776
Radius = 400.0000
External = 8.4255
Long Chord = 161.6567
Mid. Ord. = 8.2516
P.C. Station 10+82.6171 N 1,559,724.8163 E 2,251,521.6856
P.T. Station 12+45.3947 N 1,559,883.9594 E 2,251,550.0822
C.C. N 1,559,873.2024 E 2,251,150.2269
Back = N 21° 46' 30.5835" E
Ahead = N 1° 32' 27.6459" W
Chord Bear = N 10° 07' 01.4688" E

Course from PT RCEEXRD03 to PC RCEEXRD04 N 1° 32' 27.6459" W Dist 47.2749

Existing
Curve Data

Curve RCEEXRD04
P.I. Station 13+95.1559 N 1,560,033.6665 E 2,251,546.0547
Delta = 54° 15' 50.6108" (RT)
Degree = 28° 38' 52.4031"
Tangent = 102.4863
Length = 189.4173
Radius = 200.0000
External = 24.7297
Long Chord = 182.4170
Mid. Ord. = 22.0084
P.C. Station 12+92.6696 N 1,559,931.2172 E 2,251,548.8109
P.T. Station 14+82.0869 N 1,560,095.7392 E 2,251,627.6048
C.C. N 1,559,936.5957 E 2,251,748.7385
Back = N 1° 32' 27.6459" W
Ahead = N 52° 43' 22.9649" E
Chord Bear = N 25° 35' 27.6595" E

Course from PT RCEEXRD04 to RCEEXRD02 N 52° 43' 22.9630" E Dist 5.4582

Point RCEEXRD02 N 1,560,099.0450 E 2,251,631.9480 Sta 14+87.5451
Ending chain RCLEEXRDA description

Chain RCLPSOANA contains:
RCPSOAN01 CUR RCPSOAN01 CUR RCPSOAN02 CUR RCPSOAN03 CUR RCPSOAN04
RCPSOAN02

Beginning chain RCLPSOANA description
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Point RCPSOAN01 N 1,559,150.4970 E 2,251,585.9410 Sta 53+43.1287

Course from RCPSOAN01 to PC RCPSOAN01 S 89° 01' 33.6691" W Dist 77.7877

Proposed
Curve Data

Curve RCPSOAN01
P.I. Station 55+23.4188 N 1,559,147.4324 E 2,251,405.6770
Delta = 91° 24' 57.5940" (RT)
Degree = 57° 17' 44.8062"
Tangent = 102.5024
Length = 159.5510
Radius = 100.0000
External = 43.2018
Long Chord = 143.1580
Mid. Ord. = 30.1685
P.C. Station 54+20.9164 N 1,559,149.1747 E 2,251,508.1646
P.T. Station 55+80.4674 N 1,559,249.9317 E 2,251,406.4677
C.C. N 1,559,249.1603 E 2,251,506.4647
Back = S 89° 01' 33.6691" W
Ahead = N 0° 26' 31.2631" E
Chord Bear = N 45° 15' 57.5339" W

Course from PT RCPSOAN01 to PC RCPSOAN02 N 0° 26' 31.2631" E Dist 225.9613

Proposed
Curve Data

Curve RCPSOAN02
P.I. Station 58+63.7965 N 1,559,533.2525 E 2,251,408.6535
Delta = 22° 00' 34.5283" (RT)
Degree = 19° 25' 20.2733"
Tangent = 57.3678
Length = 113.3213
Radius = 295.0000
External = 5.5263
Long Chord = 112.6258
Mid. Ord. = 5.4247
P.C. Station 58+06.4287 N 1,559,475.8864 E 2,251,408.2109
P.T. Station 59+19.7500 N 1,559,586.2720 E 2,251,430.5624
C.C. N 1,559,473.6106 E 2,251,703.2021
Back = N 0° 26' 31.2631" E
Ahead = N 22° 27' 05.7914" E
Chord Bear = N 11° 26' 48.5272" E

Course from PT RCPSOAN02 to PC RCPSOAN03 N 22° 27' 05.7914" E Dist 250.9767

Proposed
Curve Data

Curve RCPSOAN03
P.I. Station 62+31.0466 N 1,559,873.9730 E 2,251,549.4475
Delta = 23° 06' 44.8328" (LT)
Degree = 19° 25' 20.2733"
Tangent = 60.3200
Length = 118.9996
Radius = 295.0000
External = 6.1038
Long Chord = 118.1944
Mid. Ord. = 5.9801
P.C. Station 61+70.7266 N 1,559,818.2252 E 2,251,526.4112
P.T. Station 62+89.7262 N 1,559,934.2890 E 2,251,548.7518
C.C. N 1,559,930.8866 E 2,251,253.7715
Back = N 22° 27' 05.7914" E
Ahead = N 0° 39' 39.0414" W
Chord Bear = N 10° 53' 43.3750" E

Proposed
Curve Data

Curve RCPSOAN04
P.I. Station 63+90.2805 N 1,560,034.8366 E 2,251,547.5921
Delta = 53° 23' 02.0062" (RT)
Degree = 28° 38' 52.4031"
Tangent = 100.5543
Length = 186.3449
Radius = 200.0000
External = 23.8552
Long Chord = 179.6774
Mid. Ord. = 21.3131
P.C. Station 62+89.7262 N 1,559,934.2890 E 2,251,548.7518
P.T. Station 64+76.0711 N 1,560,095.7392 E 2,251,627.6048
C.C. N 1,559,936.5957 E 2,251,748.7385
Back = N 0° 39' 39.0414" W
Ahead = N 52° 43' 22.9649" E
Chord Bear = N 26° 01' 51.9618" E

Course from PT RCPSOAN04 to RCPSOAN02 N 52° 43' 22.9624" E Dist 5.4582

Point RCPSOAN02 N 1,560,099.0450 E 2,251,631.9480 Sta 64+81.5293
Ending chain RCLPSOANA description