

C1

$\Delta = 24'55.59''$ R = 427.00' T = 94.40' L = 185.81' LC = 184.35'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 12'27.59''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 11+10.35 | - | - | - | 00'00.00" | 00'00.00" |
| 11+25.00 | 14.65' | 13.96' | 15.34' | 00'58.58" | 00'58.58" |
| 11+50.00 | 25.00' | 23.83' | 26.17' | 01'40.38" | 02'39.37" |
| 11+75.00 | 25.00' | 23.83' | 26.17' | 01'40.38" | 04'20.15" |
| 11+98.72 | 23.72' | 22.61' | 24.83' | 01'35.29" | 05'55.44" |
| 12+00.00 | 1.28' | 1.22' | 1.34' | 00'05.09" | 06'00.53" |
| 12+25.00 | 25.00' | 23.83' | 26.17' | 01'40.38" | 07'41.31" |
| 12+50.00 | 25.00' | 23.83' | 26.17' | 01'40.38" | 09'22.09" |
| 12+75.00 | 25.00' | 23.83' | 26.17' | 01'40.38" | 11'02.48" |
| 12+96.17 | 21.17' | 20.17' | 22.15' | 01'25.12" | 12'27.59" |

Def/Ft = 4.02546 Min.

C2

$\Delta = 35'01.09''$ R = 275.00' T = 86.76' L = 168.08' LC = 165.48'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 17'30.34''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 10+59.50 | - | - | - | 00'00.00" | 00'00.00" |
| 10+71.10 | 11.60' | 10.84' | 12.36' | 01'12.30" | 01'12.30" |
| 10+75.00 | 3.90' | 3.84' | 4.16' | 00'24.36" | 01'36.53" |
| 10+97.78 | 22.78' | 21.28' | 24.26' | 02'22.23" | 03'59.16" |
| 11+00.00 | 2.22' | 2.07' | 2.37' | 00'13.53" | 04'13.09" |
| 11+25.00 | 25.00' | 23.36' | 26.63' | 02'36.16" | 06'49.24" |
| 11+50.00 | 25.00' | 23.36' | 26.63' | 02'36.16" | 09'25.40" |
| 11+75.00 | 25.00' | 23.36' | 26.63' | 02'36.16" | 12'01.56" |
| 12+00.00 | 25.00' | 23.36' | 26.63' | 02'36.16" | 14'38.11" |
| 12+16.10 | 16.10' | 15.04' | 17.15' | 01'40.38" | 16'18.49" |
| 12+25.00 | 8.90' | 8.32' | 9.48' | 00'55.38" | 17'14.27" |
| 12+27.59 | 2.59' | 2.41' | 2.75' | 00'16.08" | 17'30.34" |

Def/Ft = 6.25045 Min.

C3

$\Delta = 03'54.21''$ R = 496.00' T = 16.91' L = 33.81' LC = 33.81'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 01'57.10''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 12+27.59 | - | - | - | 00'00.00" | 00'00.00" |
| 12+50.00 | 22.41' | 23.22' | 21.59' | 01'17.40" | 01'17.40" |
| 12+61.40 | 11.40' | 11.82' | 10.99' | 00'39.31" | 01'57.11" |

Def/Ft = 3.46547 Min.

C4

$\Delta = 30'53.40''$ R = 500.00' T = 138.17' L = 269.60' LC = 266.35'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 15'26.50''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|---------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 2+91.41 | - | - | - | 00'00.00" | 00'00.00" |
| 3+00.00 | 8.59' | 8.97' | 8.21' | 00'29.32" | 00'29.32" |
| 3+25.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 01'55.28" |
| 3+45.35 | 20.35' | 21.24' | 19.45' | 01'09.57" | 03'05.26" |
| 3+50.00 | 4.65' | 4.85' | 4.45' | 00'15.59" | 03'21.25" |
| 3+75.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 04'47.22" |
| 4+00.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 06'13.18" |
| 4+25.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 07'39.15" |
| 4+50.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 09'05.12" |
| 4+59.26 | 9.26' | 9.67' | 8.85' | 00'31.50" | 09'37.02" |
| 4+75.00 | 15.74' | 16.43' | 15.05' | 00'54.07" | 10'31.08" |
| 4+90.12 | 15.02' | 15.98' | 14.45' | 00'51.53" | 11'23.07" |
| 5+00.00 | 9.88' | 10.31' | 9.45' | 00'33.58" | 11'57.05" |
| 5+22.80 | 22.80' | 23.80' | 21.79' | 01'18.23" | 13'15.28" |
| 5+25.00 | 2.20' | 2.30' | 2.10' | 00'07.34" | 13'23.01" |
| 5+50.00 | 25.00' | 26.10' | 23.90' | 01'25.57" | 14'48.58" |
| 5+61.02 | 11.02' | 11.50' | 10.53' | 00'37.52" | 15'26.50" |

Def/Ft = 3.43775 Min.

C5

$\Delta = 75'34.36''$ R = 305.00' T = 236.48' L = 402.31' LC = 373.78'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 37'47.18''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 6+47.55 | - | - | - | 00'00.00" | 00'00.00" |
| 6+72.00 | 24.45' | 26.21' | 22.68' | 02'17.47" | 02'17.47" |
| 6+75.00 | 3.00' | 3.22' | 2.78' | 00'16.54" | 02'34.42" |
| 7+00.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 04'55.35" |
| 7+25.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 07'16.29" |
| 7+50.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 09'37.22" |
| 7+59.35 | 9.35' | 10.02' | 8.68' | 00'52.42" | 10'30.04" |
| 7+75.00 | 15.65' | 16.78' | 14.52' | 01'28.12" | 11'58.16" |
| 7+89.99 | 14.99' | 16.07' | 13.91' | 01'24.29" | 13'22.45" |
| 8+00.00 | 10.01' | 10.73' | 9.29' | 00'56.25" | 14'19.09" |
| 8+20.63 | 20.63' | 22.11' | 19.14' | 01'56.16" | 16'15.25" |
| 8+25.00 | 4.37' | 4.69' | 4.05' | 00'24.38" | 16'40.03" |
| 8+50.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 19'00.56" |
| 8+75.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 21'21.50" |
| 9+00.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 23'42.43" |
| 9+25.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 26'03.37" |
| 9+50.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 28'24.30" |
| 9+75.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 30'45.24" |
| 10+00.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 33'06.17" |
| 10+25.00 | 25.00' | 26.80' | 23.19' | 02'20.53" | 35'27.11" |
| 10+41.22 | 16.22' | 17.39' | 15.05' | 01'31.25" | 36'58.35" |
| 10+49.86 | 8.64' | 9.27' | 8.02' | 00'48.43" | 37'47.18" |

Def/Ft = 5.63565 Min.

C6

$\Delta = 50'53.24''$ R = 300.00' T = 142.74' L = 266.46' LC = 257.79'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 25'26.42''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 10+89.55 | - | - | - | 00'00.00" | 00'00.00" |
| 11+00.00 | 10.45' | 9.68' | 10.45' | 00'59.52" | 00'59.52" |
| 11+25.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 03'23.07" |
| 11+29.39 | 4.39' | 4.07' | 4.07' | 00'25.09" | 03'48.16" |
| 11+50.00 | 20.61' | 19.09' | 19.09' | 01'58.05" | 05'46.21" |
| 11+75.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 08'09.36" |
| 12+00.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 10'32.50" |
| 12+25.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 12'56.04" |
| 12+50.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 15'19.19" |
| 12+75.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 17'42.33" |
| 12+89.00 | 14.00' | 12.97' | 12.97' | 01'20.13" | 19'02.46" |
| 13+00.00 | 11.00' | 10.19' | 10.19' | 01'03.02" | 20'05.47" |
| 13+25.00 | 25.00' | 23.16' | 23.16' | 02'23.14" | 22'29.02" |
| 13+26.33 | 1.33' | 1.23' | 1.23' | 00'07.37" | 22'36.39" |
| 13+50.00 | 23.67' | 21.93' | 21.93' | 02'15.37" | 24'52.16" |
| 13+56.01 | 6.01' | 5.57' | 5.57' | 00'34.26" | 25'26.42" |

Def/Ft = 5.72958 Min.

C7

$\Delta = 06'05.26''$ R = 359.00' T = 19.10' L = 38.16' LC = 38.14'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 03'02.43''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 13+56.01 | - | - | - | 00'00.00" | 00'00.00" |
| 13+61.61 | 5.60' | 5.94' | 5.26' | 00'26.49" | 00'26.49" |
| 13+75.00 | 13.39' | 14.21' | 12.57' | 01'04.07" | 01'30.55" |
| 13+94.17 | 19.17' | 20.34' | 17.99' | 01'31.48" | 03'02.43" |

Def/Ft = 4.78795 Min.

C8

$\Delta = 30'17.49''$ R = 39.00' T = 10.56' L = 20.62' LC = 20.38'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 15'08.55''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 20+00.00 | - | - | - | 00'00.00" | 00'00.00" |
| 20+20.62 | 20.62' | 31.88' | 8.88' | 15'08.55" | 15'08.55" |

Def/Ft = 44.07368 Min.

C9

$\Delta = 93'24.57''$ R = 126.00' T = 133.74' L = 205.43' LC = 183.42'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 46'42.29''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 20+20.62 | - | - | - | 00'00.00" | 00'00.00" |
| 20+33.58 | 12.96' | 14.70' | 12.96' | 02'56.48" | 02'56.48" |
| 20+50.00 | 16.42' | 18.62' | 13.69' | 03'44.00" | 06'40.48" |
| 20+75.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 12'21.51" |
| 21+00.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 18'02.53" |
| 21+25.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 23'43.56" |
| 21+50.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 29'24.59" |
| 21+75.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 35'06.02" |
| 21+98.00 | 23.00' | 26.07' | 23.16' | 05'13.46" | 40'19.48" |
| 22+00.00 | 2.00' | 2.27' | 2.27' | 00'27.17" | 40'47.05" |
| 22+25.00 | 25.00' | 26.83' | 23.16' | 05'41.03" | 46'28.07" |
| 22+26.05 | 1.05' | 1.19' | 1.19' | 00'14.21" | 46'42.29" |

Def/Ft = 13.64185 Min.

C10

$\Delta = 12'12.47''$ R = 354.00' T = 37.87' L = 75.46' LC = 75.32'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 06'06.24''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|----------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 22+26.05 | - | - | - | 00'00.00" | 00'00.00" |
| 22+50.00 | 23.95' | 25.10' | 22.80' | 01'56.17" | 01'56.17" |
| 22+75.00 | 25.00' | 26.20' | 23.79' | 02'01.23" | 03'57.41" |
| 23+00.00 | 25.00' | 26.20' | 23.79' | 02'01.23" | 05'59.04" |
| 23+01.51 | 1.51' | 1.58' | 1.44' | 00'07.19" | 06'06.23" |

Def/Ft = 4.85557 Min.

C11

$\Delta = 18'15.43''$ R = 200.00' T = 32.15' L = 63.75' LC = 63.48'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 09'07.52''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|---------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 1+00.32 | - | - | - | 00'00.00" | 00'00.00" |
| 1+25.00 | 24.68' | 21.95' | 27.38' | 03'32.07" | 03'32.07" |
| 1+35.00 | 10.00' | 8.90' | 11.10' | 01'25.57" | 04'58.03" |
| 1+50.00 | 15.00' | 13.35' | 16.65' | 02'08.55" | 07'06.58" |
| 1+64.07 | 14.07' | 12.52' | 15.61' | 02'00.53" | 09'07.52" |

Def/Ft = 8.59437 Min.

C12

$\Delta = 27'49.01''$ R = 200.00' T = 49.53' L = 97.10' LC = 96.15'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 13'54.31''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|---------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 2+23.95 | - | - | - | 00'00.00" | 00'00.00" |
| 2+50.00 | 26.05' | 28.90' | 23.17' | 03'43.53" | 03'43.53" |
| 2+75.00 | 25.00' | 27.73' | 22.24' | 03'34.52" | 07'18.45" |
| 3+00.00 | 25.00' | 27.73' | 22.24' | 03'34.52" | 10'53.36" |
| 3+21.04 | 21.04' | 23.35' | 18.73' | 03'00.54" | 13'54.31" |

Def/Ft = 8.59437 Min.

C13

$\Delta = 57'07.30''$ R = 150.00' T = 81.66' L = 149.55' LC = 143.44'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 28'33.45''$

| STATION | ARC | CHORD LENGTH | | DEFLECTION | TOTAL DEFLECTION |
|---------|--------|--------------|-------------|------------|------------------|
| | | 8' Off LtCb | 8' Off RtCb | | |
| 0+85.68 | - | - | - | 00'00.00" | 00'00.00" |
| 1+00.00 | 14.32' | 12.22' | 16.41' | 02'44.06" | 02'44.06" |
| 1+20.00 | 20.00' | 17.05' | 22.92' | 03'49.11" | 06'33.17" |
| 1+25.00 | 5.00' | 4.27' | 5.73' | 00'57.18" | 07'30.34" |
| 1+50.00 | 25.00' | 21.31' | 28.63' | 04'46.29" | 12'17.03" |
| 1+75.00 | 25.00' | 21.31' | 28.63' | 04'46.29" | 17'03.32" |
| 2+00.00 | 25.00' | 21.31' | 28.63' | 04'46.29" | 21'50.01" |
| 2+25.00 | 25.00' | 21.31' | 28.63' | 04'46.29" | 26'36.29" |
| 2+35.23 | 10.23' | 8.73' | 11.73' | 01'57.16" | 28'33.45" |

Def/Ft = 11.45916 Min.

C14

$\Delta = 31'54.44''$ R = 300.00' T = 85.77' L = 167.09' LC = 164.94'

CURVE DATA BASED ON CENTERLINE $\Delta / 2 = 15'57.22''$