5/14/99

Kimley»Horn
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P.O. BOX 33068 • RALEIGH, N.C. 27636-3068

PROJECT REFERENCE NO.	SHEET NO.
B-5121 / B-5317	2B-1
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HORIZONTAL ALIGNMENT CURVE DATA

-L-

PI Sta 18+54.18
△ = 18° 20' 46.2" (RT)
D = 4° 05' 33.2"
L = 448.28'
T = 226.08'
R = 1,400.00'
SE = 0.03
RO = 144'

PI Sta 25+51.12
△ = 6° 04' 01.3" (RT)
D = 1° 46' 45.7"
L = 340.96'
T = 170.64'
R = 3,220.00'
SE = RC
RO = 96'

PI Sta 45+85.35
△ = 11° 57' 49.9" (RT)
D = 4° 00' 00.0"
L = 299.10'
T = 150.09'
R = 1,432.39'
SE = 0.03
RO = 144'

PI Sta 55+46.00
△ = 14° 54' 07.1" (RT)
D = 7° 00' 00.0"
L = 212.89'
T = 107.05'
R = 818.51'
SE = EXISTING
RO = EXISTING

-NBL-

PI Sta 12+43.58
△ = 6° 35' 40.8" (RT)
D = 1° 46' 45.7"
L = 370.62'
T = 185.51'
R = 3,220.00'
SE = RC
RO = 96'

-SBL-

PI Sta 10+62.24
△ = 2° 12' 53.3" (LT)
D = 1° 46' 45.7"
L = 124.47'
T = 62.24'
R = 3,220.00'
SE = SEE PLANS
RO = SEE PLANS

PI Sta 13+74.06
△ = 1° 20' 06.2" (RT)
D = 1° 25' 56.6"
L = 93.20'
T = 46.60'
R = 4,000.00'
SE = SEE PLANS
RO = SEE PLANS

-Y1-

PI Sta 10+87.25
△ = 2° 55' 59.5" (LT)
D = 3° 49' 11.0"
L = 76.79'
T = 38.40'
R = 1,500.00'
SE = EXISTING
RO = EXISTING

PI Sta 11+64.48
△ = 2° 57' 59.5" (RT)
D = 3° 49' 11.0"
L = 77.66'
T = 38.84'
R = 1,500.00'
SE = EXISTING
RO = EXISTING

PI Sta 15+85.59
△ = 18° 14' 13.9" (RT)
D = 4° 46' 28.7"
L = 381.96'
T = 192.61'
R = 1,200.00'
SE = NC
RO = N/A

PI Sta 21+18.17
△ = 17° 41' 21.1" (LT)
D = 10° 42' 34.2"
L = 165.17'
T = 83.25'
R = 535.00'
SE = RC
RO = 78'

-YIRPC-

PI Sta 11+00.24
△ = 8° 22' 10.0" (RT)
D = 4° 10' 55.8"
L = 200.12'
T = 100.24'
R = 1,370.00'
SE = NC
RO = N/A

PI Sta 15+79.74
△ = 8° 55' 35.1" (RT)
D = 3° 34' 51.6"
L = 249.27'
T = 124.89'
R = 1,600.00'
SE = 0.03
RO = 63'

-YIRPD-

PI Sta 11+49.80
△ = 12° 28' 49.9" (LT)
D = 4° 10' 55.8"
L = 298.42'
T = 149.80'
R = 1,370.00'
SE = 0.03
RO = 63'

PI Sta 15+96.62
△ = 6° 24' 48.6" (RT)
D = 4° 10' 55.8"
L = 153.35'
T = 76.76'
R = 1,370.00'
SE = 0.03
RO = 63'

-FLYOVER-

PI Sta 11+41.07
△ = 36° 43' 31.2" (RT)
D = 13° 28' 52.9"
L = 272.42'
T = 141.07'
R = 425.00' (DS = 35 MPH)
SE = 0.04
RO = 84'

PI Sta 16+93.08
△ = 76° 32' 14.0" (LT)
D = 15° 26' 37.0"
L = 495.59'
T = 292.67'
R = 371.00' (DS = 35 MPH)
SE = 0.04
RO = 84'

PI Sta 20+93.23
△ = 49° 47' 19.3" (LT)
D = 13° 28' 52.9"
L = 369.32'
T = 197.23'
R = 425.00' (DS = 35 MPH)
SE = 0.04
RO = 84'

PI Sta 23+96.86
△ = 17° 35' 37.0" (RT)
D = 6° 44' 26.4"
L = 261.01'
T = 131.54'
R = 850.00'
SE = 0.03
RO = 63'

-Y2RPA-

PI Sta 17+98.91
△ = 63° 06' 15.9" (RT)
D = 28° 38' 52.4"
L = 220.28'
T = 122.81'
R = 200.00' (DS = 25 MPH)
SE = 0.04
RO = 84'

-Y2RPB-

PI Sta 11+61.28
△ = 65° 39' 17.8" (LT)
D = 22° 55' 05.9"
L = 286.47'
T = 161.28'
R = 250.00' (DS = 30 MPH)
SE = 0.04
RO = 84'

PI Sta 15+61.95
△ = 17° 30' 11.6" (LT)
D = 10° 44' 58.8"
L = 162.83'
T = 82.05'
R = 533.00'
SE = 0.04
RO = 84'

-Y2LPC-

PI Sta 29+02.46
△ = 173° 49' 55.3" (LT)
D = 55° 53' 54.0"
L = 310.98'
T = 1,902.46'
R = 102.50' (DS = 20 MPH)
SE = 0.06
RO = 126'

-Y3-

PI Sta 10+38.40
△ = 17° 37' 25.3" (LT)
D = 44° 04' 25.2"
L = 39.99'
T = 20.15'
R = 130.00' (DS = 20 MPH)
SE = NC
RO = SEE PLANS

PI Sta 11+08.98
△ = 24° 53' 01.9" (LT)
D = 24° 54' 40.4"
L = 99.89'
T = 50.75'
R = 230.00' (DS = 25 MPH)
SE = NC
RO = N/A

-Y6-

PI Sta 15+75.80
△ = 18° 33' 14.0" (RT)
D = 8° 48' 53.0"
L = 210.49'
T = 106.17'
R = 650.00'
SE = RC
RO = 60'

-Y9-

PI Sta 16+54.92
△ = 8° 33' 40.6" (RT)
D = 6° 44' 26.4"
L = 127.01'
T = 63.62'
R = 850.00'
SE = EXISTING
RO = EXISTING

-GI-

PI Sta 10+74.58
△ = 114° 54' 22.3" (RT)
D = 212° 12' 23.7"
L = 54.15'
T = 42.31'
R = 27.00'
SE = RC
RO = NONE

PI Sta 11+78.16
△ = 137° 08' 39.1" (LT)
D = 159° 09' 17.8"
L = 86.17'
T = 91.73'
R = 36.00'
SE = RC
RO = NONE

PI Sta 12+89.49
△ = 59° 58' 16.4" (LT)
D = 76° 23' 39.7"
L = 78.50'
T = 43.28'
R = 75.00'
SE = RC
RO = NONE

PI Sta 13+74.27
△ = 36° 33' 57.9" (LT)
D = 38° 11' 49.9"
L = 95.73'
T = 49.56'
R = 150.00'
SE = RC
RO = NONE

PI Sta 14+46.81
△ = 38° 44' 43.5" (LT)
D = 76° 23' 39.7"
L = 50.72'
T = 26.37'
R = 75.00'
SE = RC
RO = NONE

PI Sta 14+91.01
△ = 76° 54' 47.1" (RT)
D = 229° 10' 59.2"
L = 33.56'
T = 19.85'
R = 25.00'
SE = RC
RO = NONE

2/02/2016