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PLANS PREPARED BY :
PARSONS
RALEIGH, NORTH CAROLINA, (919) 854-1345
NC LICENSE NO. F-0246
FOR NORTH CAROLINA DEPT. OF TRANSPORTATION

PROJECT REFERENCE NO.	SHEET NO.
I-4729A	2B-2
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 37950 ENGINEER JOHN M. PEARSON
DocuSigned by: 20CE4A8A2A0A4A0...
8/14/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

HORIZONTAL CURVE DATA

-RP_E-

PIs Sta 13+74.88
Θs = 6° 36' 11.2"
Ls = 192.00'
LT = 128.09'
ST = 64.08'

PI Sta 21+94.30
Δ = 84° 24' 50.1" (RT)
D = 6° 52' 41.7"
L = 1,227.26'
T = 755.50'
R = 833.00'
e = 0.06
D.S. = 50 MPH
Runoff = 192.00'

PIs Sta 27+30.14
Θs = 6° 36' 11.2"
Ls = 192.00'
LT = 128.09'
ST = 64.08'

-RP_F-

PI Sta 10+81.61
Δ = 6° 30' 00.0" (RT)
D = 3° 59' 11.4"
L = 163.05'
T = 81.61'
R = 1,437.25'

PIs Sta 12+00.36
Θs = 1° 16' 30.7"
Θs = 3° 46' 51.0"
Ls = 64.00'
LT = 37.30'
ST = 26.74'

PI Sta 14+26.07
Δ = 44° 37' 17.1" (RT)
D = 11° 48' 48.8"
L = 377.71'
T = 199.02'
R = 485.00'
e = 0.06
D.S. = 40 MPH
Runoff = 192.00'

PIs Sta 16+77.11
Θs = 12° 45' 31.1"
Ls = 216.00'
LT = 144.38'
ST = 72.34'

PIs Sta 19+64.98
Θs = 9° 35' 37.4"
Ls = 216.00'
LT = 144.21'
ST = 72.19'

PI Sta 24+61.84
Δ = 66° 46' 21.8" (LT)
D = 8° 52' 59.0"
L = 751.69'
T = 425.08'
R = 645.00'
e = 0.06
D.S. = 45 MPH
Runoff = 192.00'

PIs Sta 28+52.58
Θs = 8° 31' 39.9"
Ls = 192.00'
LT = 128.15'
ST = 64.14'

PIs Sta 31+08.54
Θs = 6° 36' 11.2"
Ls = 192.00'
LT = 128.09'
ST = 64.08'

PI Sta 33+33.28
Δ = 21° 51' 22.5" (RT)
D = 6° 52' 41.7"
L = 317.76'
T = 160.83'
R = 833.00'
e = 0.06
D.S. = 50 MPH
Runoff = 192.00'

PIs Sta 35+16.40
Θs = 0° 38' 49.3"
Θs = 2° 12' 04.1"
Ls = 64.00'
LT = 37.83'
ST = 26.19'

PI Sta 35+91.30
Δ = 1° 30' 00.0" (RT)
D = 2° 01' 20.0"
L = 74.18'
T = 37.09'
R = 2,833.29'

-E_CONN_REV-

PI Sta 31+46.00
Δ = 33° 43' 27.8" (LT)
D = 4° 14' 38.9"
L = 794.61'
T = 409.19'
R = 1,350.00'

PI Sta 38+43.01
Δ = 46° 30' 50.5" (LT)
D = 7° 54' 10.3"
L = 588.57'
T = 311.59'
R = 725.00'

PI Sta 46+09.46
Δ = 33° 36' 16.8" (RT)
D = 6° 21' 58.3"
L = 527.86'
T = 271.77'
R = 900.00'

-RP_G_REV-

PI Sta 10+23.42
Δ = 1° 23' 00.0" (RT)
D = 2° 57' 12.2"
L = 46.84'
T = 23.42'
R = 1,940.00'

PIs Sta 10+75.77
Θs = 0° 40' 43.0"
Θs = 5° 16' 18.8"
Ls = 46.00'
LT = 28.94'
ST = 17.10'

PI Sta 11+78.60
Δ = 37° 52' 02.5" (RT)
D = 22° 55' 05.9"
L = 165.23'
T = 85.76'
R = 250.00'

PI Sta 14+39.28
Δ = 95° 21' 39.8" (RT)
D = 34° 43' 29.0"
L = 274.62'
T = 181.21'
R = 165.00'

PI Sta 16+04.31
Δ = 31° 58' 20.4" (RT)
D = 22° 55' 05.9"
L = 139.51'
T = 71.62'
R = 250.00'

PIs Sta 17+11.09
Θs = 3° 43' 01.2"
Θs = 10° 33' 11.9"
Ls = 92.00'
LT = 53.56'
ST = 38.90'

PI Sta 19+20.20
Δ = 24° 53' 14.4" (RT)
D = 8° 06' 14.7"
L = 307.10'
T = 156.01'
R = 707.00'

PI Sta 22+42.30
Δ = 14° 37' 55.2" (RT)
D = 4° 18' 05.3"
L = 340.16'
T = 171.01'
R = 1,332.00'

PI Sta 24+39.20
Δ = 2° 12' 44.3" (RT)
D = 3° 59' 11.4"
L = 55.50'
T = 27.75'
R = 1,437.25'

-CONN_B_REV-

PIs Sta 14+87.38
Θs = 7° 55' 59.7"
Ls = 180.00'
LT = 120.12'
ST = 60.11'

PI Sta 19+87.46
Δ = 68° 12' 54.3" (RT)
D = 8° 48' 53.0"
L = 773.88'
T = 440.21'
R = 650.00'
e = 0.06
D.S. = 45 MPH
Runoff = 180.00'

PIs Sta 23+81.24
Θs = 7° 55' 59.7"
Ls = 180.00'
LT = 120.12'
ST = 60.11'

PIs Sta 27+37.78
Θs = 1° 48' 56.6"
Ls = 180.00'
LT = 120.01'
ST = 60.01'

PI Sta 31+08.25
Δ = 12° 28' 41.0" (LT)
D = 2° 01' 02.8"
L = 618.50'
T = 310.48'
R = 2,840.00'
e = 0.06
D.S. = 45 MPH
Runoff = 180.00'

-RP_WC-

PI Sta 12+73.63
Δ = 33° 42' 55.7" (LT)
D = 8° 52' 59.0"
L = 379.55'
T = 195.45'
R = 645.00'
e = 0.06
D.S. = 45 MPH
Runoff = 192.00'

PIs Sta 15+21.87
Θs = 8° 31' 39.9"
Ls = 192.00'
LT = 128.15'
ST = 64.14'

PIs Sta 17+78.00
Θs = 11° 20' 27.7"
Ls = 192.00'
LT = 128.26'
ST = 64.24'

PI Sta 19+13.94
Δ = 16° 56' 08.7" (RT)
D = 11° 48' 48.8"
L = 143.36'
T = 72.21'
R = 485.00'
e = 0.06
D.S. = 40 MPH
Runoff = 192.00'

PI Sta 22+43.61
Δ = 31° 04' 19.9" (RT)
D = 45° 50' 11.8"
L = 67.79'
T = 34.75'
R = 125.00'

-W_CONN_REV-

PI Sta 12+97.64
Δ = 9° 28' 37.2" (LT)
D = 4° 46' 28.7"
L = 198.49'
T = 99.47'
R = 1,200.00'

PI Sta 18+41.13
Δ = 11° 30' 07.2" (RT)
D = 2° 51' 53.2"
L = 401.50'
T = 201.42'
R = 2,000.00'

PI Sta 23+88.73
Δ = 12° 44' 55.6" (RT)
D = 2° 12' 13.3"
L = 578.52'
T = 290.46'
R = 2,600.00'

PIs Sta 27+12.36
Θs = 0° 42' 18.5"
Θs = 1° 24' 37.4"
Ls = 64.00'
LT = 35.56'
ST = 28.45'

PI Sta 29+35.08
Δ = 17° 00' 00.0" (RT)
D = 4° 24' 26.5"
L = 385.72'
T = 194.29'
R = 1,300.00'
e = 0.06
D.S. = 55 MPH
Runoff = 192.00'

PIs Sta 31+90.55
Θs = 4° 13' 51.9"
Ls = 192.00'
LT = 128.04'
ST = 64.03'

PIs Sta 34+46.65
Θs = 8° 08' 55.4"
Ls = 192.00'
LT = 128.14'
ST = 64.12'

PI Sta 35+90.86
Δ = 13° 34' 35.7" (LT)
D = 8° 29' 17.7"
L = 159.95'
T = 80.35'
R = 675.00'
e = 0.06
D.S. = 45 MPH
Runoff = 192.00'

PIs Sta 37+34.58
Θs = 8° 08' 55.4"
Ls = 192.00'
LT = 128.14'
ST = 64.12'

PIs Sta 39+90.74
Θs = 11° 37' 43.5"
Ls = 192.00'
LT = 128.28'
ST = 64.25'

PI Sta 40+69.97
Δ = 3° 45' 23.2" (RT)
D = 12° 06' 47.8"
L = 31.01'
T = 15.51'
R = 473.00'
e = 0.06
D.S. = 35 MPH
Runoff = 192.00'

12/06/07
14-AUG-2017 08:14
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$$$$USERNAME$$$$