CURVE DATA -SR-

-SR13B-

PI Sta 19+69.49
Δ = 15° 00′ 42.4″ (LT)
D = 1° 16′ 57.9″
L = 1,170.29′
T = 588.51′
R = 4,466.66′

PI Sta 44+61.77
Δ = 129° 52′ 08.2″ (LT)
D = 12° 54′ 16.0″
L = 1,006.39′
T = 949.33′
R = 444.00′

PI Sta 48+67.95
Δ = 52° 51′ 34.9″ (RT)
D = 19° 05′ 54.9″
L = 276.77′
T = 149.12′
R = 300.00′

-SR15-

PI Sta 12+27.02
Δ = 103° 34′ 22.0″ (RT)
D = 57° 17′ 44.8″
L = 180.77′
T = 127.02′
R = 100.00′

PI Sta 18+54.17
Δ = 89° 20′ 38.6″ (LT)
D = 9° 52′ 42.9″
L = 904.42′
T = 573.40′
R = 580.00′

PI Sta 25+71.32
Δ = 7° 52′ 14.3″ (LT)
D = 1° 01′ 14.8″
L = 771.05′
T = 386.13′
R = 5,613.00′

CURVE DATA -L-

-A1C1-KINSTON BYPASS

PIs Sta 891+75.39
θs = 1° 15′ 55.9″
Ls = 202.50′
LT = 135.00′
ST = 67.50′

PI Sta 897+44.13
Δ = 12° 28′ 50.6″ (LT)
D = 1° 14′ 59.7″
L = 998.53′
T = 501.25′
R = 4,584.00′
DS = 70mph
e = 4.5%

PIs Sta 903+08.92
θs = 1° 15′ 55.9″
Ls = 202.50′
LT = 135.00′
ST = 67.50′

PIs Sta 921+23.62
θs = 0° 59′ 59.7″
Ls = 200.00′
LT = 133.34′
ST = 66.67′

PI Sta 934+24.53
Δ = 24° 18′ 42.0″ (LT)
D = 0° 59′ 59.7″
L = 2,431.34′
T = 1,234.25′
R = 5,730.00′
DS = 70mph
e = 4.0%

PIs Sta 946+88.30
θs = 0° 59′ 59.7″
Ls = 200.00′
LT = 133.34′
ST = 66.67′

CURVE DATA -SR-

-SR14-

PI Sta 11+77.47
Δ = 76° 33′ 05.3″ (LT)
D = 57° 17′ 44.8″
L = 133.61′
T = 78.91′
R = 100.00′

PI Sta 14+99.20
Δ = 61° 22′ 10.7″ (RT)
D = 12° 43′ 56.6″
L = 482.00′
T = 267.03′
R = 450.00′

PI Sta 27+41.51
Δ = 31° 17′ 18.0″ (RT)
D = 4° 46′ 28.7″
L = 655.30′
T = 336.04′
R = 1,200.00′

CURVE DATA -Y9-

-Y9- WYSE FORKS RD

PI Sta 20+00.16
Δ = 55° 21′ 25.5″ (LT)
D = 6° 44′ 26.4″
L = 821.24′
T = 445.85′
R = 850.00′
DS = 50mph
e = 6.0%

PI Sta 31+86.30
Δ = 68° 05′ 18.4″ (RT)
D = 4° 46′ 28.7″
L = 1,426.04′
T = 810.76′
R = 1,200.00′
DS = 50mph
e = 6.0%

PIs Sta 38+68.30
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

PIs Sta 54+51.92
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

PI Sta 57+49.79
Δ = 21° 48′ 53.2″ (LT)
D = 4° 46′ 28.7″
L = 456.89′
T = 231.24′
R = 1,200.00′
DS = 50mph
e = 6.0%

PIs Sta 60+42.14
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

-Y9_RPB-

PIs Sta 11+33.38
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

PI Sta 14+45.46
Δ = 23° 07′ 13.2″ (LT)
D = 4° 46′ 28.7″
L = 484.23′
T = 245.46′
R = 1,200.00′
DS = 50mph
e = 7.0%

PIs Sta 17+50.94
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

-Y9_RPD-

PIs Sta 11+33.38
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

PI Sta 14+30.42
Δ = 21° 44′ 20.6″ (LT)
D = 4° 46′ 28.7″
L = 455.30′
T = 230.42′
R = 1,200.00′
DS = 50mph
e = 7.0%

PIs Sta 17+22.01
θs = 4° 46′ 28.7″
Ls = 200.00′
LT = 133.38′
ST = 66.71′

PI Sta 22+89.27
Δ = 33° 59′ 18.9″ (RT)
D = 9° 32′ 57.5″
L = 355.93′
T = 183.37′
R = 600.00′
DS = 35mph
e = 7.0%

-Y9_LPB-

PIs Sta 11+34.26
θs = 20° 41′ 03.8″
Ls = 200.00′
LT = 134.26′
ST = 67.51′

PI Sta 18+75.51
Δ = 135° 24′ 24.9″ (RT)
D = 20° 41′ 03.8″
L = 654.63′
T = 675.51′
R = 277.00′
DS = 30mph
e = 8.0%

-Y9_LPD-

PIs Sta 11+34.30
θs = 21° 08′ 32.5″
Ls = 200.00′
LT = 134.30′
ST = 67.54′

PI Sta 21+76.23
Δ = 148° 58′ 14.7″ (RT)
D = 21° 08′ 32.5″
L = 704.61′
T = 976.23′
R = 271.00′
DS = 30mph
e = 8.0%

CURVE DATA -SR-

-SR12-

PI Sta 123+52.62
Δ = 15° 00′ 42.4″ (LT)
D = 1° 13′ 08.0″
L = 1,231.60′
T = 619.35′
R = 4,700.66′

PI Sta 150+87.81
Δ = 37° 48′ 33.5″ (RT)
D = 10° 13′ 53.0″
L = 369.54′
T = 191.78′
R = 560.00′

PI Sta 164+38.87
Δ = 38° 01′ 55.0″ (RT)
D = 12° 43′ 56.6″
L = 298.70′
T = 155.09′
R = 450.00′

PI Sta 167+08.79
Δ = 103° 15′ 33.3″ (LT)
D = 57° 17′ 44.8″
L = 180.22′
T = 126.30′
R = 100.00′

STIP PROJECT R-2553
KINSTON BYPASS

R-2553 Kinston Bypass
Upgrade Existing Shallow Bypass
Sheet 15 of 18

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

INCOMPLETE PLANS
DO NOT USE FOR R/W ACQUISITION

100′ 0′ 100′ 200′

PREPARED FOR
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, NORTH CAROLINA

Prepared by
AECOM
AECOM Technical Services of North Carolina
5438 Wade Park Blvd, Suite 200
Raleigh, NC 27607
NC Lic # F-0342

AUGUST, 2021