CURVE DATA –SERVICE ROAD–

–SR1– BEGINNING OF PROJECT TO ALBERT SUGG ROAD/BARWICK STATION ROAD LEFT OF ROUTE 70

PI Sta 12+52.58 Δ = 4° 21' 51.7" (LT) D = 2° 23' 14.4" L = 182.85' T = 91.45' R = 2,400.00' DS = 45mph e = 3.4%	PI Sta 14+35.49 Δ = 4° 22' 09.3" (RT) D = 2° 23' 14.4" L = 183.02' T = 91.53' R = 2,400.00' DS = 45mph e = 3.4%	PI Sta 38+79.59 Δ = 27° 29' 00.5" (LT) D = 7° 09' 43.9" L = 2,365.24' T = 1,205.84' R = 479.50.00' DS = 45mph e = 22.0%	PI Sta 53+50.25 Δ = 31° 03' 46.2" (LT) D = 5° 06' 56.5" L = 607.52' T = 311.26' R = 1,120.00' DS = 35mph e = 4.0%	PI Sta 66+40.48 Δ = 66° 52' 58.8" (LT) D = 12° 47' 21.5" L = 523.36' T = 296.80' R = 448.00' DS = 30mph e = 5.0%	PI Sta 69+72.96 Δ = 165° 41' 29.7" (RT) D = 57° 17' 44.8" L = 186.21' T = 134.38' R = 100.00' DS = 20mph e = 6.0%

–SR2– BEGINNING OF PROJECT TO ALBERT SUGG ROAD/BARWICK STATION ROAD RIGHT OF ROUTE 70

PI Sta 32+34.25 Δ = 3° 43' 54.5" (LT) D = 2° 51' 17" L = 390.70' T = 195.46' R = 6,000.00' DS = 45mph e = NC	PI Sta 44+43.27 Δ = 29° 17' 12.8" (LT) D = 2° 46' 39.6" L = 767.50' T = 391.07' R = 2,065.00' DS = 55mph e = 2.8%	PI Sta 57+34.62 Δ = 30° 19' 57.5" (RT) D = 3° 13' 59.2" L = 952.92' T = 487.56' R = 1,800.00' DS = 50mph e = 2.4%	PI Sta 70+73.58 Δ = 42° 15' 08.2" (RT) D = 12° 40' 31.3" L = 330.37' T = 173.01' R = 448.00' DS = 30mph e = 5.0%	PI Sta 75+37.56 Δ = 90° 00' 00.0" (LT) D = 57° 17' 44.8" L = 157.08' T = 100.00' R = 100.00' DS = 20mph e = 6.0%

CURVE DATA –L–

–NC1–KINSTON BYPASS

PI Sta 160+97.80 Δ = 0° 00' 04.5" D = 0° 00' 04.5" L = 200.00' LT = 133.34' ST = 66.67'	PI Sta 171+83.05 Δ = 22° 48' 25.2" (LT) D = 1° 08' 04.5" L = 2,010.20' T = 1,016.58' R = 5,050.00' DS = 70mph e = 4.0%
PI Sta 182+41.33 Δ = 1° 08' 04.5" D = 1° 08' 04.5" L = 200.00' LT = 133.34' ST = 66.67'	

CURVE DATA –Y2–

–Y2–ALBERT SUGG ROAD/BARWICK STATION ROAD

PI Sta 12+58.76 Δ = 5° 08' 53.2" D = 2° 00' 00.0" L = 200.00' LT = 133.35' ST = 66.69'	PI Sta 16+58.87 Δ = 27° 58' 53.5" (RT) D = 7° 09' 53.2" L = 698.34' T = 353.47' R = 800.00' DS = 50mph e = 5.0%	PI Sta 28+87.65 Δ = 5° 03' 29.4" (LT) D = 7° 09' 53.2" L = 478.49' T = 239.40' R = 800.00' DS = 50mph e = 2.0%	PI Sta 34+93.41 Δ = 7° 03' 25.6" D = 7° 09' 53.2" L = 200.00' T = 133.54' ST = 66.67'	PI Sta 40+88.99 Δ = 7° 59' 34.4" Ls = 160.00' LT = 106.67' ST = 53.34'

–Y2_RPB–

PI Sta 11+33.38 Δ = 4° 46' 28.7" Ls = 200.00' LT = 133.38' ST = 66.71'	PI Sta 14+54.25 Δ = 23° 55' 52.6" (LT) D = 4° 46' 28.7" L = 501.17' T = 254.25' R = 1200.00' DS = 50 mph e = 7.0 %	PI Sta 17+67.81 Δ = 4° 46' 28.7" Ls = 200.00' LT = 133.38' ST = 66.71'	PI Sta 23+23.12 Δ = 33° 08' 37.1" (RT) D = 9° 33' 57.5" L = 350.55' T = 180.44' R = 600.00' DS = 35 mph e = 7.0 %	

–Y2_RPC–

PI Sta 14+22.75 Δ = 4° 46' 28.7" Ls = 200.00' LT = 133.38' ST = 66.71'	PI Sta 16+65.58 Δ = 15° 42' 26.0" (RT) D = 4° 46' 28.7" L = 349.92' T = 176.21' R = 1200.00' DS = 50 mph e = 7.0 %	PI Sta 19+05.99 Δ = 4° 46' 28.7" Ls = 200.00' LT = 133.38' ST = 66.71'	PI Sta 25+97.34 Δ = 31° 51' 33.8" (LT) D = 9° 33' 57.5" L = 392.71' T = 201.14' R = 600.00' DS = 35 mph e = 7.0 %	

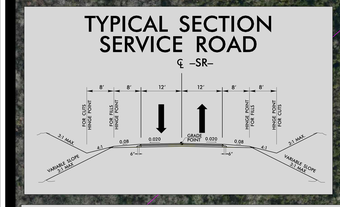
–Y2_LPB–

PI Sta 11+34.67 Δ = 24° 54' 35.9" Ls = 199.99' LT = 134.67' ST = 67.89'	PI Sta 22+48.26 Δ = 155° 05' 35.7" (RT) D = 24° 54' 40.4" L = 622.57' T = 1,041.27' R = 230.00' DS = 30 mph e = 8.0 %	PI Sta 11+34.67 Δ = 24° 54' 35.9" Ls = 199.99' LT = 134.67' ST = 67.89'	PI Sta 26+65.03 Δ = 162° 09' 20.3" (LT) D = 24° 54' 40.4" L = 650.33' T = 1,465.04' R = 230.00' DS = 30 mph e = 8.0 %	

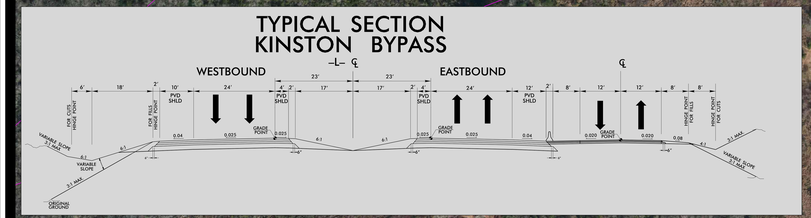
–Y2_LPC–

TYPICAL SECTION SERVICE ROAD

℄ –SR–

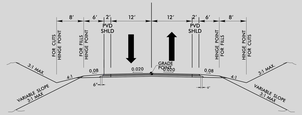


TYPICAL SECTION KINSTON BYPASS



TYPICAL SECTION ALBERT SUGG RD/BARWICK STATION RD.

℄ –Y2–



BRIDGE TYPICAL SECTION ALBERT SUGG RD/BARWICK STATION RD.

℄ –Y2–

BEGIN PROJECT R-2553B
–L– STATION 114+00.00

BEGIN CONSTRUCTION
–Y2– STA. 10+00.00

MATCHLINE -A1C1Y2- STA. 21+00
THIS SEE SHEET

MATCHLINE -A1C1Y2- STA. 21+00
THIS SEE SHEET

MATCHLINE -A1C1L- STA. 205+00
SEE SHEET 2

BARWICK STATION RD

STIP PROJECT R-2553
KINSTON BYPASS

R-2553 Kinston Bypass
Upgrade Existing Shallow Bypass
Sheet 1 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

FEBRUARY 2022