

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
ALIGNMENT DESCRIPTIONS



Chain Y47 contains:
1112 1113

Beginning chain Y47 description

Point 1112 N 141,906.1388 E 2,334,453.6222 Sta 10+00.00

Course from 1112 to 1113 S 71° 38' 17.20" E Dist 253.5882

Point 1113 N 141,826.2540 E 2,334,694.2992 Sta 12+53.59

Ending chain Y47 description

Chain Y48 contains:
1114 1115

Beginning chain Y48 description

Point 1114 N 142,959.8862 E 2,334,654.2953 Sta 10+00.00

Course from 1114 to 1115 S 76° 44' 32.23" E Dist 223.5770

Point 1115 N 142,908.6130 E 2,334,871.9136 Sta 12+23.58

Ending chain Y48 description

Chain Y49 contains:
1116 1117

Beginning chain Y49 description

Point 1116 N 143,403.9909 E 2,334,741.6111 Sta 10+00.00

Course from 1116 to 1117 S 79° 31' 24.52" E Dist 213.1655

Point 1117 N 143,365.2305 E 2,334,951.2230 Sta 12+13.17

Ending chain Y49 description

Chain Y50 contains:
1154 1155

Beginning chain Y50 description

Point 1154 N 143,807.3002 E 2,334,820.9061 Sta 10+00.00

Course from 1154 to 1155 S 60° 18' 29.76" E Dist 344.8697

Point 1155 N 143,636.4748 E 2,335,120.4954 Sta 13+44.87

Ending chain Y50 description

Chain Y51 contains:
1127 CUR Y51C1 1129

Beginning chain Y51 description

Point 1127 N 144,158.2269 E 2,334,370.8409 Sta 10+00.00

Course from 1127 to PC Y51C1 N 34° 02' 05.76" W Dist 150.3265

Curve Data

Curve Y51C1
P.I. Station 11+88.26 N 144,314.2344 E 2,334,265.4741
Delta = 74° 22' 04.37" (RT)
Degree = 114° 35' 29.61"
Tangent = 37.9300
Length = 64.8982
Radius = 50.0000
External = 12.7589
Long Chord = 60.4376
Mid.Ord. = 10.1650
P.C. Station 11+50.33 N 144,282.8019 E 2,334,286.7034
P.T. Station 12+15.22 N 144,343.1483 E 2,334,290.0235
C.C. N 144,310.7869 E 2,334,328.1383
Back = N 34° 02' 05.76" W
Ahead = N 40° 19' 58.61" E
Chord Bear = N 3° 08' 56.42" E

Course from PT Y51C1 to 1129 N 40° 19' 58.61" E Dist 78.1233

Point 1129 N 144,402.7013 E 2,334,340.5870 Sta 12+93.35

Ending chain Y51 description

Chain Y52 contains:
1130 1131

Beginning chain Y52 description

Point 1130 N 144,711.7273 E 2,333,863.4922 Sta 10+00.00

Course from 1130 to 1131 N 50° 25' 13.35" E Dist 185.6993

Point 1131 N 144,830.0456 E 2,334,006.6180 Sta 11+85.70

Ending chain Y52 description

Chain Y53 contains:
1132 CUR Y53C1 1134

Beginning chain Y53 description

Point 1132 N 144,813.0622 E 2,334,020.6532 Sta 10+00.00

Course from 1132 to PC Y53C1 N 52° 21' 29.07" E Dist 106.2450

Curve Data

Curve Y53C1
P.I. Station 11+94.39 N 144,931.7828 E 2,334,174.5818
Delta = 42° 47' 14.62" (LT)
Degree = 25° 27' 53.25"
Tangent = 88.1480
Length = 168.0257
Radius = 225.0000
External = 16.6507
Long Chord = 164.1485
Mid.Ord. = 15.5034
P.C. Station 11+06.24 N 144,877.9486 E 2,334,104.7825
P.T. Station 12+74.27 N 145,018.7038 E 2,334,189.2377
C.C. N 145,056.1133 E 2,333,967.3694
Back = N 52° 21' 29.07" E
Ahead = N 9° 34' 14.45" E
Chord Bear = N 30° 57' 51.76" E

Course from PT Y53C1 to 1134 N 9° 34' 14.45" E Dist 106.2048

Point 1134 N 145,123.4304 E 2,334,206.8957 Sta 13+80.48

Ending chain Y53 description

Chain Y54 contains:
1137 1138

Beginning chain Y54 description

Point 1137 N 145,277.4907 E 2,333,636.8475 Sta 10+00.00

Course from 1137 to 1138 N 50° 42' 04.37" E Dist 208.0012

Point 1138 N 145,409.2312 E 2,333,797.8100 Sta 12+08.00

Ending chain Y54 description