

SHEET INDEX

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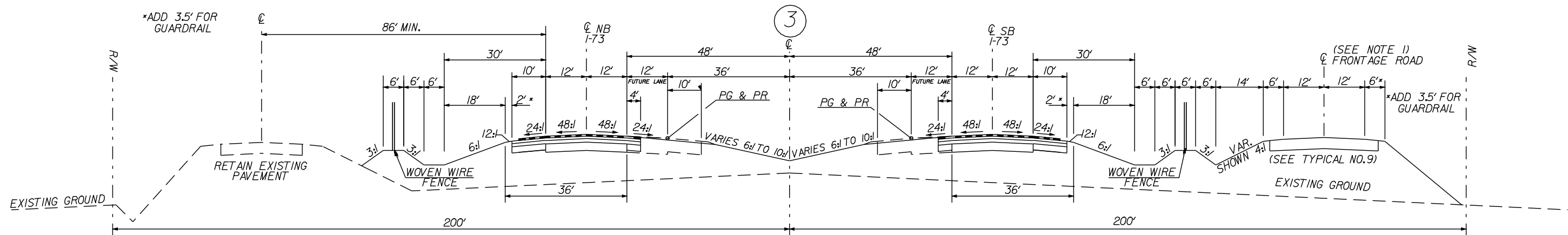
INTERSTATE 73
MARLBORO & DILLON COUNTIES
SOUTH CAROLINA
RICHMOND & SCOTLAND COUNTIES
NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

PREFERRED ALTERNATIVE
SHEET INDEX

SHEET
1

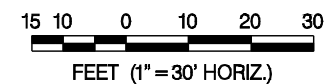


TYPICAL SECTION I-73 USING AN EXISTING ROAD AS A FRONTAGE ROAD



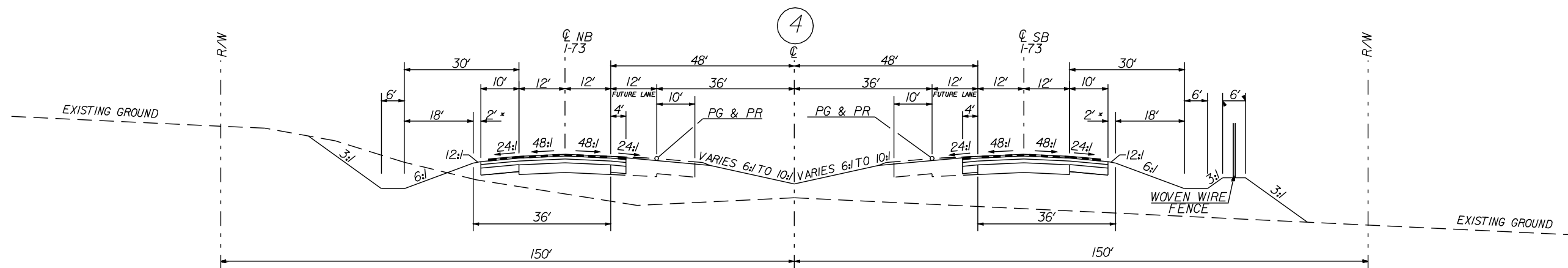
INTERSTATE 73
 MARLBORO & DILLON COUNTIES
 SOUTH CAROLINA
 RICHMOND & SCOTLAND COUNTIES
 NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
 I-73 NORTH (I-74 TO I-95)

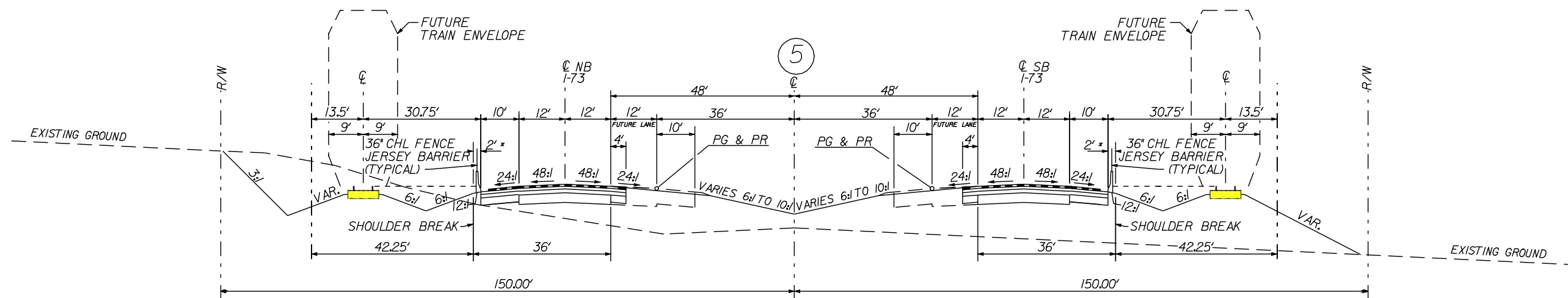


TYPICAL SECTIONS
 WITH FRONTAGE ROADS

SHEET
 2A



TYPICAL SECTION WITHOUT FRONTAGE ROADS
WITH SPACE WITHIN R / W FOR RAILROADS

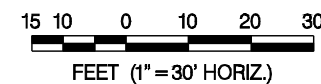


TYPICAL SECTION WITHOUT FRONTAGE ROADS
SHOWING RAILROADS WITHIN RIGHT-OF-WAY



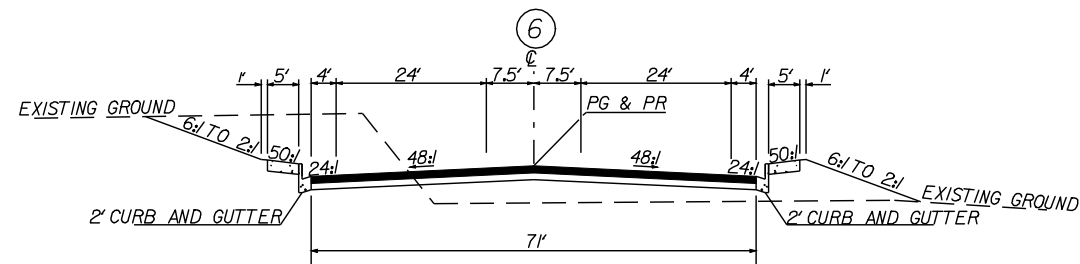
INTERSTATE 73
MARLBORO & DILLON COUNTIES
SOUTH CAROLINA
RICHMOND & SCOTLAND COUNTIES
NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
I-73 NORTH (I-74 TO I-95)

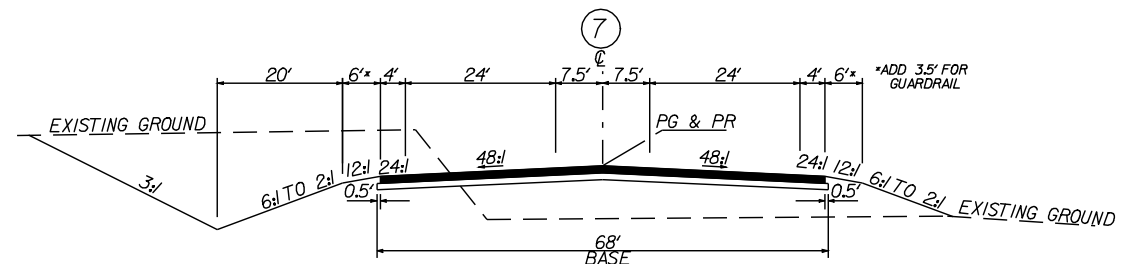


TYPICAL SECTIONS
WITHOUT FRONTAGE ROADS

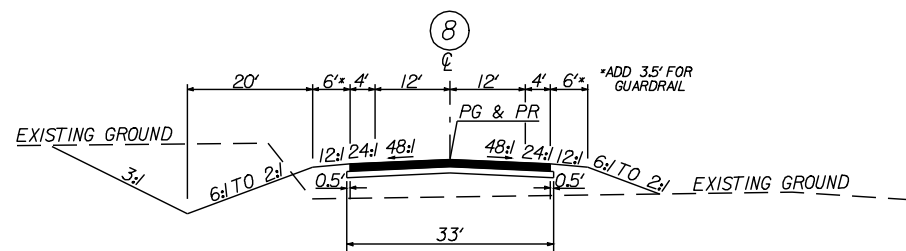
SHEET
2B



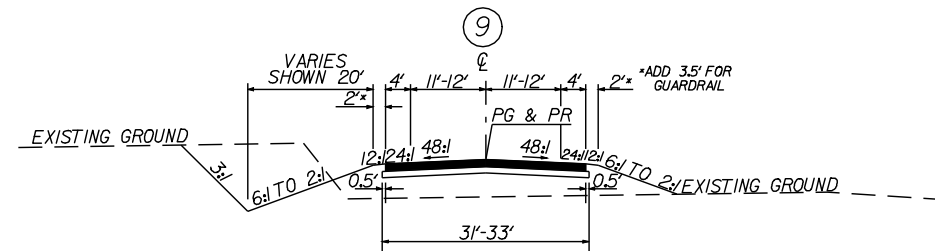
TYPICAL FIVE-LANE URBAN STREET
(CROSS OVER ROAD)
CURB GUTTER AND SIDEWALK



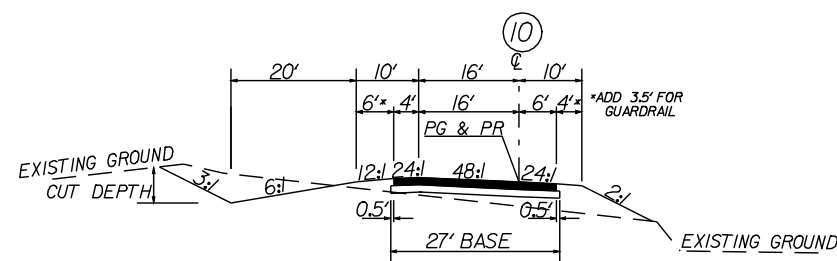
TYPICAL FIVE-LANE URBAN STREET
(CROSS OVER ROAD)
WITH SHOULDERS



TYPICAL TWO-LANE ARTERIALS
(CROSS OVERS AND RELOCATIONS)



TYPICAL TWO-LANE RURAL
(SIDE AND FRONTAGE ROADS)



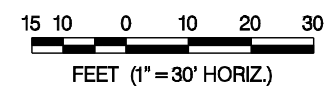
ONE-WAY FREEWAY RAMP / LOOP

0 FILL HEIGHT 6:1
0-5' 6:1
5'-10' 4:1
OVER 10' 2:1



INTERSTATE 73
MARLBORO & DILLON COUNTIES
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RICHMOND & SCOTLAND COUNTIES
NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
I-73 NORTH (I-74 TO I-95)

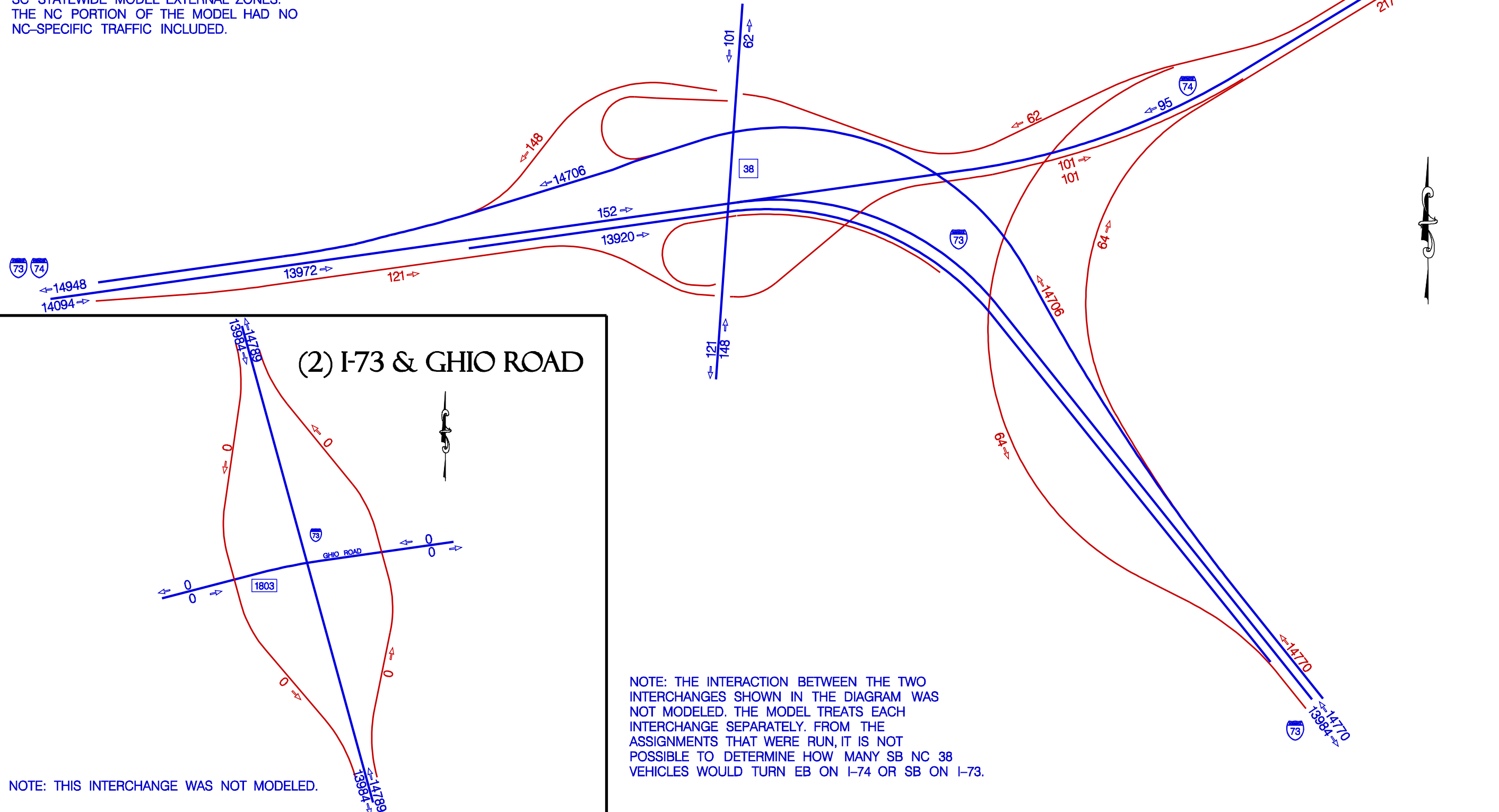


TYPICAL SECTIONS
OTHER ROADS

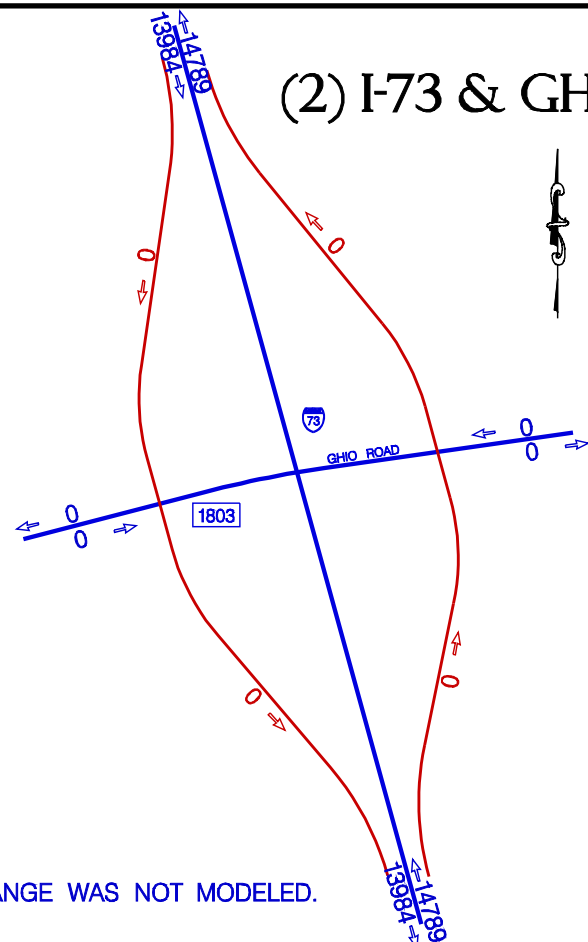
SHEET
2C

NOTE: VOLUMES ON NC ROUTES WILL CONSIST PRIMARILY OF SURVEY TRIPS, GSATS AND FLATS MODEL TRIPS AND STATEWIDE MODEL TRIPS ARE NOT ASSIGNED TO THE NC NETWORK BEYOND SC STATEWIDE MODEL EXTERNAL ZONES. THE NC PORTION OF THE MODEL HAD NO NC-SPECIFIC TRAFFIC INCLUDED.

(1) I-73 & I-74



(2) I-73 & GHIO ROAD



NOTE: THIS INTERCHANGE WAS NOT MODELED.

NOTE: THE INTERACTION BETWEEN THE TWO INTERCHANGES SHOWN IN THE DIAGRAM WAS NOT MODELED. THE MODEL TREATS EACH INTERCHANGE SEPARATELY. FROM THE ASSIGNMENTS THAT WERE RUN, IT IS NOT POSSIBLE TO DETERMINE HOW MANY SB NC 38 VEHICLES WOULD TURN EB ON I-74 OR SB ON I-73.



INTERSTATE 73
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 NORTH CAROLINA

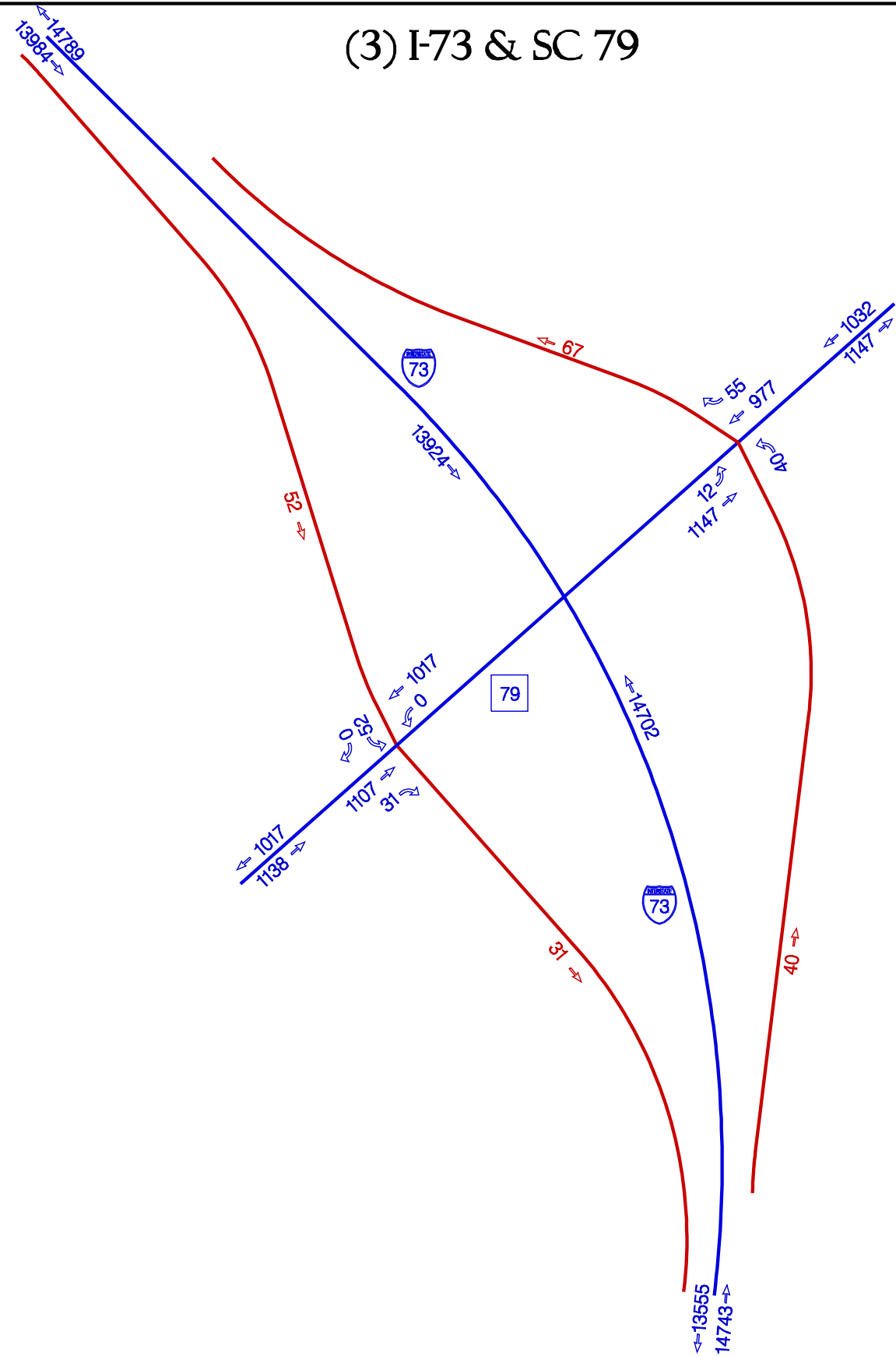
CONCEPTUAL ROADWAY PLANS
 I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

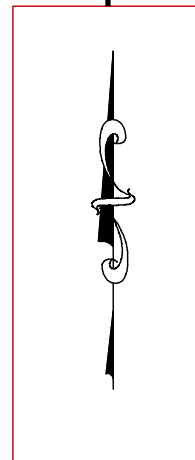
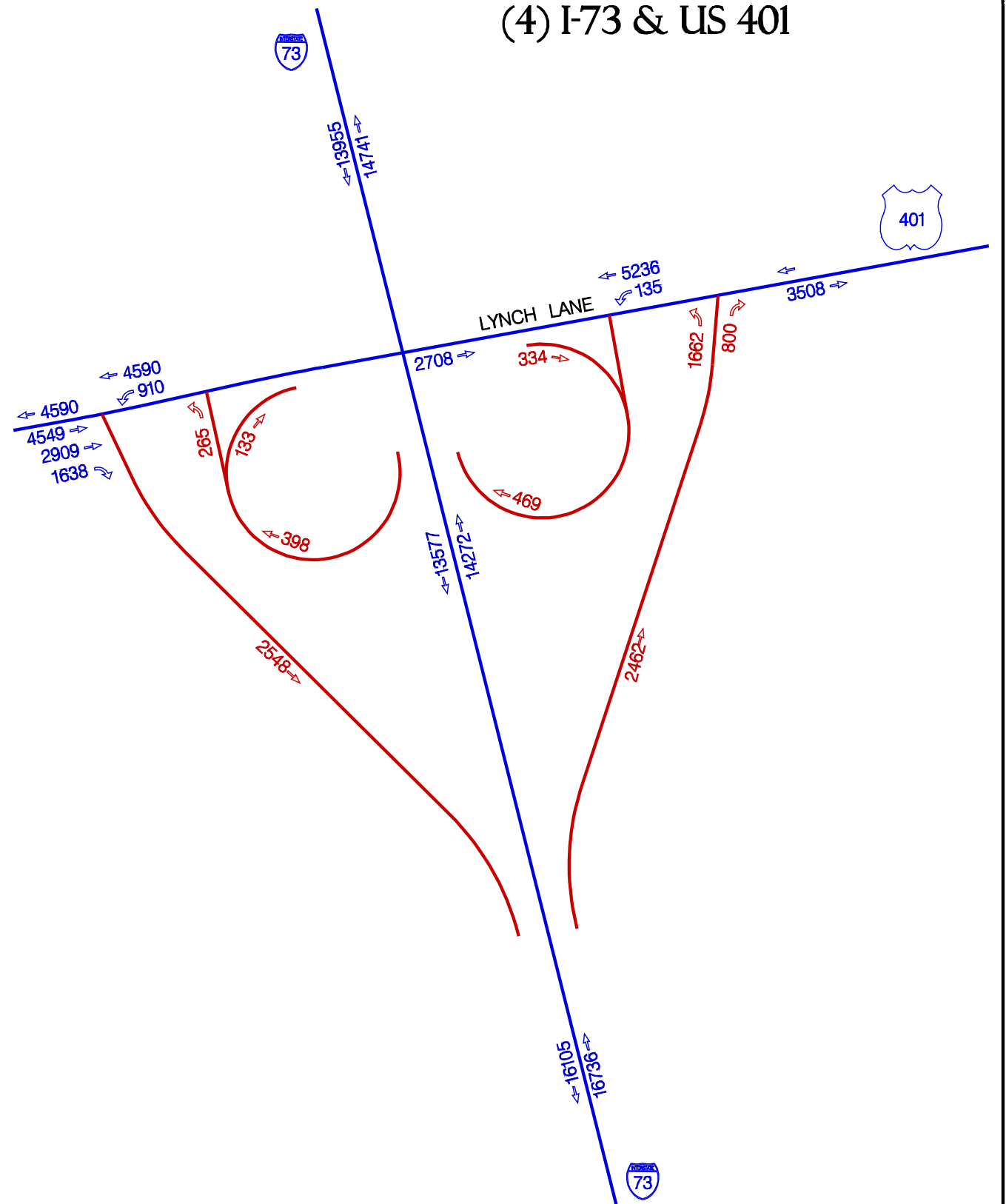
INTERCHANGES
 SHOWING TRAFFIC PROJECTIONS
 FOR YEAR 2030

SHEET
 3

(3) I-73 & SC 79



(4) I-73 & US 401



INTERSTATE 73
 MARLBORO & DILLON COUNTIES
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 NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
 I-73 NORTH (I-74 TO I-95)

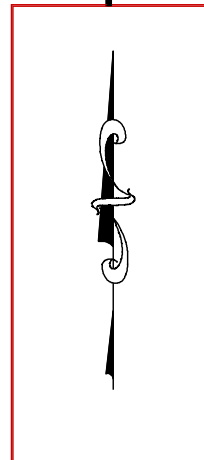
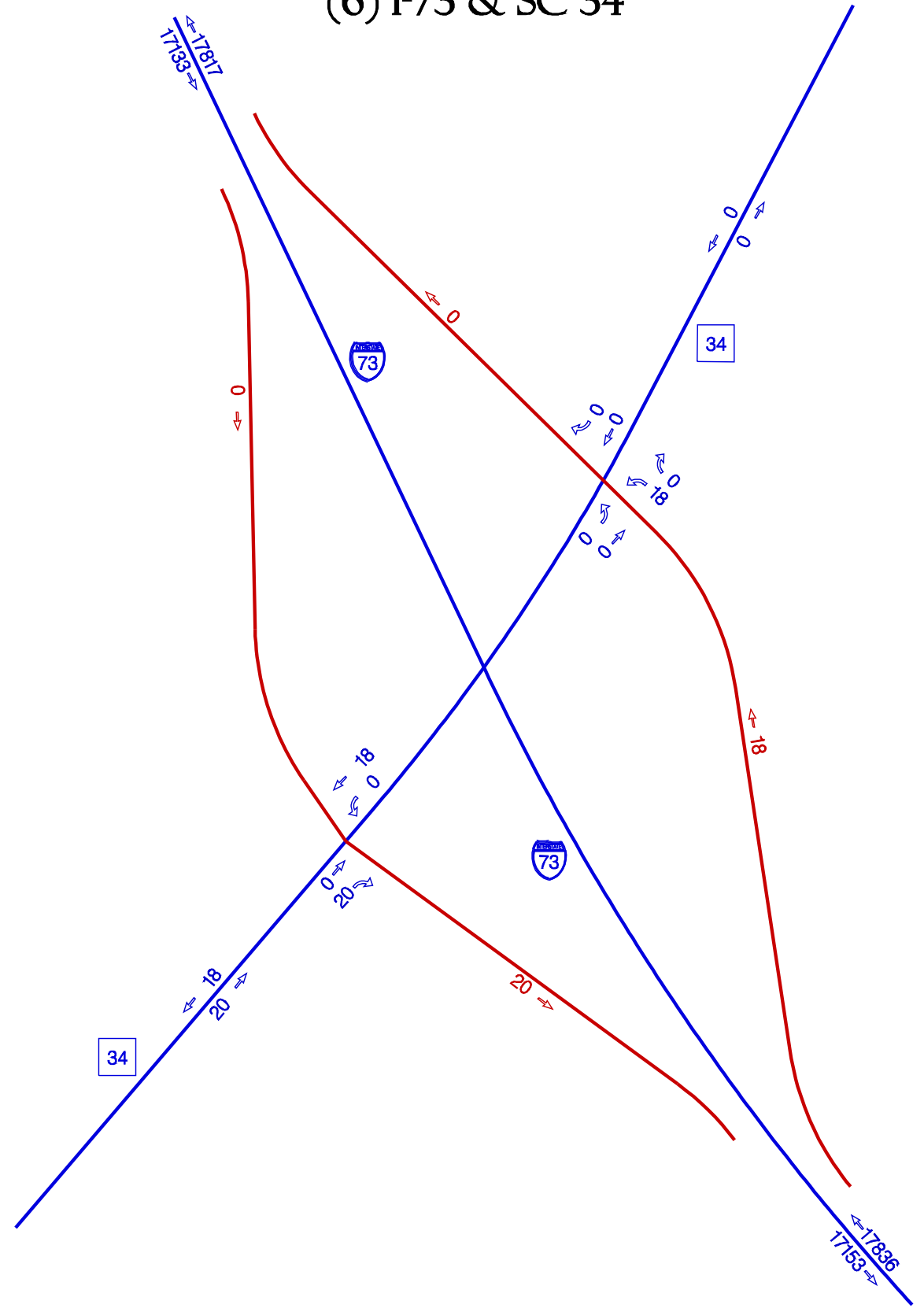
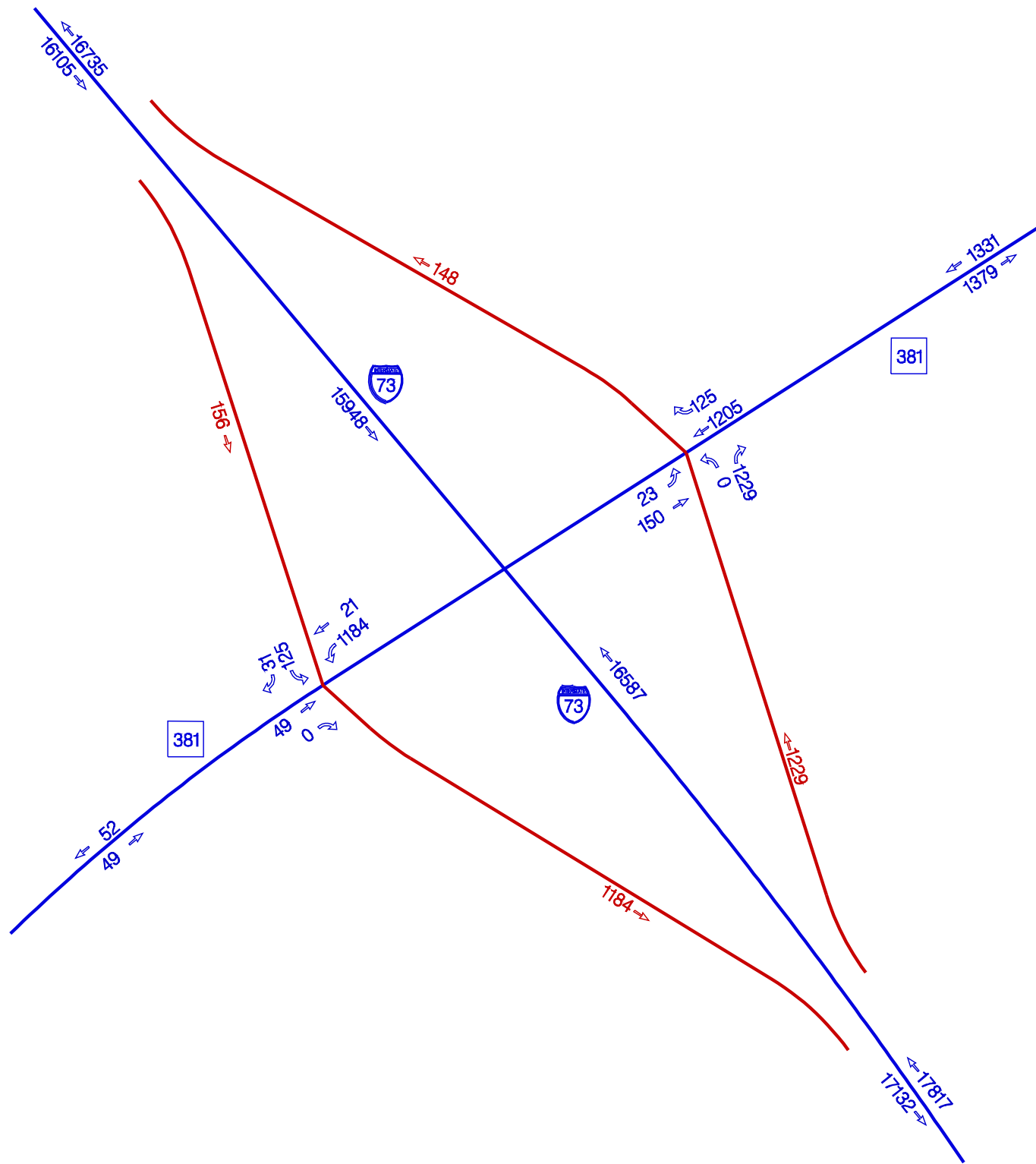
NOT TO SCALE

INTERCHANGES
 SHOWING TRAFFIC PROJECTIONS
 FOR YEAR 2030

SHEET
 3A

(5) I-73 & SC 381

(6) I-73 & SC 34



INTERSTATE 73
 MARLBORO & DILLON COUNTIES
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 NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
 I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

INTERCHANGES
 SHOWING TRAFFIC PROJECTIONS
 FOR YEAR 2030

SHEET
 3B

Beginning chain 73N description

Curve Data

Curve 73N-1
 P.I. Station 1009+52.25 N 1,102,443.7157 E 2,392,765.3700
 Delta = 59° 23' 11.09" (RT)
 Degree = 2° 31' 06.58"
 Tangent = 1,297.2796
 Length = 2,358.0112
 Radius = 2,275.0000
 External = 343.8851
 Long Chord = 2,253.8683
 Mid. Ord. = 298.7297
 P.C. Station 996+54.97 N 1,102,263.5664 E 2,391,480.6596
 P.T. Station 1020+12.99 N 1,101,429.8068 E 2,393,574.6433
 C.C. N 1,100,010.6087 E 2,391,796.5820
 Back = N 82° 01' 03.76" E
 Ahead = S 38° 35' 45.15" E
 Chord Bear = S 68° 17' 20.69" E

Course from PT 73N-1 to PC 73N-2 S 38° 35' 45.15" E Dist 4,256.4200

Curve Data

Curve 73N-2
 P.I. Station 1110+76.98 N 1,094,345.7035 E 2,399,228.9736
 Delta = 31° 34' 53.90" (RT)
 Degree = 0° 20' 13.32"
 Tangent = 4,807.5731
 Length = 9,370.4608
 Radius = 17,000.0000
 External = 666.7133
 Long Chord = 9,252.2862
 Mid. Ord. = 641.5526
 P.C. Station 1062+69.41 N 1,098,103.1362 E 2,396,229.8974
 P.T. Station 1156+39.87 N 1,089,574.1110 E 2,399,816.0550
 C.C. N 1,087,498.1397 E 2,382,943.2857
 Back = S 38° 35' 45.15" E
 Ahead = S 7° 00' 51.25" E
 Chord Bear = S 22° 48' 18.20" E

Course from PT 73N-2 to PC 73N-3 S 7° 00' 51.25" E Dist 3,434.5815

Curve Data

Curve 73N-3
 P.I. Station 1214+70.98 N 1,083,786.6409 E 2,400,528.1267
 Delta = 16° 02' 54.54" (LT)
 Degree = 0° 20' 13.32"
 Tangent = 2,396.5295
 Length = 4,761.6812
 Radius = 17,000.0000
 External = 168.0911
 Long Chord = 4,746.1306
 Mid. Ord. = 166.4454
 P.C. Station 1190+74.45 N 1,086,165.2344 E 2,400,235.4722
 P.T. Station 1238+36.13 N 1,081,581.6503 E 2,401,466.9397
 C.C. N 1,088,241.2056 E 2,417,108.2415
 Back = S 7° 00' 51.25" E
 Ahead = S 23° 03' 45.79" E
 Chord Bear = S 15° 02' 18.52" E

Curve Data

Curve 73N-4
 P.I. Station 1267+46.71 N 1,078,903.6889 E 2,402,607.1281
 Delta = 19° 25' 51.33" (RT)
 Degree = 0° 20' 13.32"
 Tangent = 2,910.5853
 Length = 5,765.2715
 Radius = 17,000.0000
 External = 247.3623
 Long Chord = 5,737.6831
 Mid. Ord. = 243.8146
 P.C. Station 1238+36.13 N 1,081,581.6503 E 2,401,466.9397
 P.T. Station 1296+01.40 N 1,075,998.9489 E 2,402,791.4973
 C.C. N 1,074,922.0949 E 2,385,825.6379
 Back = S 23° 03' 45.79" E
 Ahead = S 3° 37' 54.46" E
 Chord Bear = S 13° 20' 50.13" E

Curve Data

Curve 73N-5
 P.I. Station 1313+89.86 N 1,074,214.0814 E 2,402,904.7860
 Delta = 12° 00' 40.49" (LT)
 Degree = 0° 20' 13.32"
 Tangent = 1,788.4592
 Length = 3,563.8091
 Radius = 17,000.0000
 External = 93.8172
 Long Chord = 3,557.2869
 Mid. Ord. = 93.3023
 P.C. Station 1296+01.40 N 1,075,998.9489 E 2,402,791.4973
 P.T. Station 1331+65.21 N 1,072,491.8663 E 2,403,387.0321
 C.C. N 1,077,075.8028 E 2,419,757.3567
 Back = S 3° 37' 54.46" E
 Ahead = S 15° 38' 34.96" E
 Chord Bear = S 9° 38' 14.71" E

Course from PT 73N-5 to PC 73N-6 S 15° 38' 34.96" E Dist 2,271.3778

Curve Data

Curve 73N-6
 P.I. Station 1374+17.12 N 1,068,397.4441 E 2,404,533.5318
 Delta = 29° 35' 05.94" (LT)
 Degree = 0° 45' 50.20"
 Tangent = 1,980.5340
 Length = 3,872.6651
 Radius = 7,500.0000
 External = 257.0945
 Long Chord = 3,829.7858
 Mid. Ord. = 248.5736
 P.C. Station 1354+36.59 N 1,070,304.6197 E 2,403,999.4940
 P.T. Station 1393+09.25 N 1,067,002.5797 E 2,405,939.5432
 C.C. N 1,072,326.9446 E 2,411,221.6960
 Back = S 15° 38' 34.96" E
 Ahead = S 45° 13' 40.89" E
 Chord Bear = S 30° 26' 07.93" E

Course from PT 73N-6 to PC 73N-7 S 45° 13' 40.89" E Dist 4,942.6679

Curve Data

Curve 73N-7
 P.I. Station 1460+49.81 N 1,062,255.2941 E 2,410,724.7665
 Delta = 61° 52' 05.35" (RT)
 Degree = 1° 54' 35.49"
 Tangent = 1,797.8871
 Length = 3,239.4089
 Radius = 3,000.0000
 External = 497.4845
 Long Chord = 3,084.3089
 Mid. Ord. = 426.7220
 P.C. Station 1442+51.92 N 1,063,521.5227 E 2,409,448.4189
 P.T. Station 1474+91.33 N 1,060,532.6985 E 2,410,209.9246
 C.C. N 1,061,391.7768 E 2,407,335.5578
 Back = S 45° 13' 40.89" E
 Ahead = S 16° 38' 24.45" W
 Chord Bear = S 14° 17' 38.22" E

Course from PT 73N-7 to PC 73N-8 S 16° 38' 24.45" W Dist 2,165.9492

Curve Data

Curve 73N-8
 P.I. Station 1504+50.14 N 1,057,697.7985 E 2,409,362.6420
 Delta = 29° 36' 28.89" (LT)
 Degree = 1° 54' 35.49"
 Tangent = 792.8590
 Length = 1,550.2726
 Radius = 3,000.0000
 External = 103.0026
 Long Chord = 1,533.0808
 Mid. Ord. = 99.5835
 P.C. Station 1496+57.28 N 1,058,457.4543 E 2,409,589.6846
 P.T. Station 1512+07.55 N 1,056,925.1607 E 2,409,540.5636
 C.C. N 1,057,598.3760 E 2,412,464.0514
 Back = S 16° 38' 24.45" W
 Ahead = S 12° 58' 04.44" E
 Chord Bear = S 1° 50' 10.01" W

Course from PT 73N-8 to PC 73N-9 S 12° 58' 04.44" E Dist 3,064.7768

Curve Data

Curve 73N-9
 P.I. Station 1545+55.53 N 1,053,662.5706 E 2,410,291.8668
 Delta = 8° 05' 58.47" (RT)
 Degree = 1° 25' 56.62"
 Tangent = 283.2002
 Length = 565.4569
 Radius = 4,000.0000
 External = 10.0128
 Long Chord = 564.9862
 Mid. Ord. = 9.9878
 P.C. Station 1542+72.33 N 1,053,938.5481 E 2,410,228.3152
 P.T. Station 1548+37.79 N 1,053,380.3921 E 2,410,315.9009
 C.C. N 1,053,040.9276 E 2,406,330.3314
 Back = S 12° 58' 04.44" E
 Ahead = S 4° 52' 05.97" E
 Chord Bear = S 8° 55' 05.21" E

Course from PT 73N-9 to PC 73N-10 S 4° 52' 05.97" E Dist 5,339.0009



INTERSTATE 73
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 NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
 I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

GEOMETRIC DATA

SHEET
 3C

Curve Data

Curve 73N-10
P.I. Station 1624+86.54 N 1,045,759.2336 E 2,410,965.0207
Delta = 34° 40' 09.37" (RT)
Degree = 0° 46' 27.36"
Tangent = 2,309.7514
Length = 4,477.6875
Radius = 7,400.0000
External = 352.0934
Long Chord = 4,409.6890
Mid. Ord. = 336.1016
P.C. Station 1601+76.79 N 1,048,060.6523 E 2,410,769.0011
P.T. Station 1646+54.47 N 1,043,754.9300 E 2,409,817.1014
C.C. N 1,047,432.6431 E 2,403,395.6976
Back = S 4° 52' 05.97" E
Ahead = S 29° 48' 03.40" W
Chord Bear = S 12° 27' 58.71" W

Course from PT 73N-10 to PC 73N-11 S 29° 48' 03.40" W Dist 4,137.4037

Curve Data

Curve 73N-11
P.I. Station 1709+52.29 N 1,038,289.9504 E 2,406,687.1585
Delta = 46° 44' 12.27" (LT)
Degree = 1° 08' 45.30"
Tangent = 2,160.4169
Length = 4,078.5501
Radius = 5,000.0000
External = 446.7790
Long Chord = 3,966.4119
Mid. Ord. = 410.1314
P.C. Station 1687+91.88 N 1,040,164.6679 E 2,407,760.8604
P.T. Station 1728+70.43 N 1,036,223.2270 E 2,407,316.4878
C.C. N 1,037,679.7266 E 2,412,099.6467
Back = S 29° 48' 03.40" W
Ahead = S 16° 56' 08.87" E
Chord Bear = S 6° 25' 57.26" W

Course from PT 73N-11 to PC 73N-12 S 16° 56' 08.87" E Dist 899.9998

Curve Data

Curve 73N-12
P.I. Station 1751+88.72 N 1,034,005.4758 E 2,407,991.8060
Delta = 31° 40' 22.29" (RT)
Degree = 1° 08' 45.30"
Tangent = 1,418.2916
Length = 2,763.9783
Radius = 5,000.0000
External = 197.2638
Long Chord = 2,728.9198
Mid. Ord. = 189.7766
P.C. Station 1737+70.43 N 1,035,362.2585 E 2,407,578.6577
P.T. Station 1765+34.41 N 1,032,633.8411 E 2,407,631.0159
C.C. N 1,033,905.7589 E 2,402,795.4989
Back = S 16° 56' 08.87" E
Ahead = S 14° 44' 13.42" W
Chord Bear = S 1° 05' 57.73" E

Curve Data

Curve 73N-13
P.I. Station 1800+44.86 N 1,029,238.8654 E 2,406,738.0132
Delta = 23° 20' 05.59" (LT)
Degree = 0° 20' 13.32"
Tangent = 3,510.4578
Length = 6,923.6000
Radius = 17,000.0000
External = 358.6668
Long Chord = 6,875.8486
Mid. Ord. = 351.2560
P.C. Station 1765+34.41 N 1,032,633.8411 E 2,407,631.0159
P.T. Station 1834+58.01 N 1,025,767.8579 E 2,407,262.8190
C.C. N 1,028,309.3208 E 2,424,071.7739
Back = S 14° 44' 13.42" W
Ahead = S 8° 35' 52.17" E
Chord Bear = S 3° 04' 10.62" W

Curve Data

Curve 73N-14
P.I. Station 1853+63.06 N 1,023,884.2074 E 2,407,547.6212
Delta = 5° 27' 12.50" (LT)
Degree = 0° 08' 35.66"
Tangent = 1,905.0595
Length = 3,807.2420
Radius = 40,000.0000
External = 45.3399
Long Chord = 3,805.8051
Mid. Ord. = 45.2886
P.C. Station 1834+58.01 N 1,025,767.8579 E 2,407,262.8190
P.T. Station 1872+65.25 N 1,022,036.1497 E 2,408,010.1516
C.C. N 1,031,747.7705 E 2,446,813.3012
Back = S 8° 35' 52.17" E
Ahead = S 14° 03' 04.67" E
Chord Bear = S 11° 19' 28.42" E

Course from PT 73N-14 to PC 73N-15 S 14° 03' 04.67" E Dist 8,519.5524

Curve Data

Curve 73N-15
P.I. Station 1977+95.70 N 1,011,820.7811 E 2,410,566.8458
Delta = 19° 01' 33.27" (LT)
Degree = 0° 28' 38.87"
Tangent = 2,010.9006
Length = 3,984.7771
Radius = 12,000.0000
External = 167.3219
Long Chord = 3,966.4944
Mid. Ord. = 165.0209
P.C. Station 1957+84.80 N 1,013,771.5130 E 2,410,078.6182
P.T. Station 1997+69.58 N 1,010,135.7753 E 2,411,664.3323
C.C. N 1,016,684.9993 E 2,421,719.5630
Back = S 14° 03' 04.67" E
Ahead = S 33° 04' 37.94" E
Chord Bear = S 23° 33' 51.31" E

Course from PT 73N-15 to PC 73N-16 S 33° 04' 37.94" E Dist 8,146.0835

Curve Data

Curve 73N-16
P.I. Station 2084+31.10 N 1,002,877.9710 E 2,416,391.5222
Delta = 19° 29' 53.20" (LT)
Degree = 1° 54' 35.49"
Tangent = 515.4434
Length = 1,020.9188
Radius = 3,000.0000
External = 43.9583
Long Chord = 1,015.9996
Mid. Ord. = 43.3235
P.C. Station 2079+15.66 N 1,003,309.8795 E 2,416,110.2094
P.T. Station 2089+36.58 N 1,002,564.7267 E 2,416,800.8631
C.C. N 1,004,947.1855 E 2,418,624.0171
Back = S 33° 04' 37.94" E
Ahead = S 52° 34' 31.15" E
Chord Bear = S 42° 49' 34.55" E

Course from PT 73N-16 to PC 73N-17 S 52° 34' 31.15" E Dist 5,205.3016

Curve Data

Curve 73N-17
P.I. Station 2144+57.50 N 999,209.5635 E 2,421,185.3189
Delta = 12° 00' 41.76" (LT)
Degree = 1° 54' 35.49"
Tangent = 315.6198
Length = 628.9259
Radius = 3,000.0000
External = 16.5570
Long Chord = 627.7749
Mid. Ord. = 16.4661
P.C. Station 2141+41.88 N 999,401.3713 E 2,420,934.6685
P.T. Station 2147+70.81 N 999,074.1180 E 2,421,470.3985
C.C. N 1,001,783.8301 E 2,422,757.8225
Back = S 52° 34' 31.15" E
Ahead = S 64° 35' 12.91" E
Chord Bear = S 58° 34' 52.03" E

Course from PT 73N-17 to PC 73N-18 S 64° 35' 12.91" E Dist 1,400.7019

Curve Data

Curve 73N-18
P.I. Station 2168+25.91 N 998,192.1867 E 2,423,326.6477
Delta = 24° 36' 39.27" (RT)
Degree = 1° 54' 35.49"
Tangent = 654.4049
Length = 1,288.6241
Radius = 3,000.0000
External = 70.5449
Long Chord = 1,278.7403
Mid. Ord. = 68.9241
P.C. Station 2161+71.51 N 998,473.0189 E 2,422,735.5647
P.T. Station 2174+60.13 N 997,690.7074 E 2,423,747.0812
C.C. N 995,763.3069 E 2,421,448.1407
Back = S 64° 35' 12.91" E
Ahead = S 39° 58' 33.65" E
Chord Bear = S 52° 16' 53.28" E

Course from PT 73N-18 to PC 73N-19 S 39° 58' 33.65" E Dist 3,624.5837



INTERSTATE 73
MARLBORO & DILLON COUNTIES
SOUTH CAROLINA
RICHMOND & SCOTLAND COUNTIES
NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

GEOMETRIC DATA

SHEET
3D

Curve Data

Curve 73N-19
P.I. Station 2226+18.65 N 993,737.6657 E 2,427,061.2577
Delta = 10° 18' 42.60" (RT)
Degree = 0° 20' 13.32"
Tangent = 1,533.9340
Length = 3,059.5824
Radius = 17,000.0000
External = 69.0642
Long Chord = 3,055.4548
Mid. Ord. = 68.7848
P.C. Station 2210+84.72 N 994,913.1400 E 2,426,075.7560
P.T. Station 2241+44.30 N 992,404.7675 E 2,427,820.4254
C.C. N 983,991.2037 E 2,413,048.4268
Back = S 39° 58' 33.65" E
Ahead = S 29° 39' 51.05" E
Chord Bear = S 34° 49' 12.35" E

Course from PT 73N-19 to PC 73N-20 S 29° 39' 51.05" E Dist 3,849.8701

Curve Data

Curve 73N-20
P.I. Station 2320+90.36 N 985,500.1088 E 2,431,753.0542
Delta = 27° 05' 40.69" (RT)
Degree = 0° 20' 13.32"
Tangent = 4,096.1905
Length = 8,039.1402
Radius = 17,000.0000
External = 486.5313
Long Chord = 7,964.4428
Mid. Ord. = 472.9944
P.C. Station 2279+94.17 N 989,059.4571 E 2,429,725.7859
P.T. Station 2360+33.31 N 981,408.0368 E 2,431,936.6945
C.C. N 980,645.8933 E 2,414,953.7872
Back = S 29° 39' 51.05" E
Ahead = S 2° 34' 10.36" E
Chord Bear = S 16° 07' 00.70" E

Course from PT 73N-20 to PC 73N-21 S 2° 34' 10.36" E Dist 2,422.7020

Curve Data

Curve 73N-21
P.I. Station 2387+84.96 N 978,659.1500 E 2,432,060.0565
Delta = 12° 30' 54.08" (RT)
Degree = 1° 54' 35.49"
Tangent = 328.9514
Length = 655.2850
Radius = 3,000.0000
External = 17.9810
Long Chord = 653.9831
Mid. Ord. = 17.8738
P.C. Station 2384+56.01 N 978,987.7707 E 2,432,045.3090
P.T. Station 2391+11.30 N 978,335.1419 E 2,432,003.2430
C.C. N 978,853.2748 E 2,429,048.3253
Back = S 2° 34' 10.36" E
Ahead = S 9° 56' 43.72" W
Chord Bear = S 3° 41' 16.68" W

Course from PT 73N-21 to PC 73N-22 S 9° 56' 43.72" W Dist 10,691.5486

Curve Data

Curve 73N-22
P.I. Station 2511+36.95 N 966,490.2062 E 2,429,926.2814
Delta = 47° 56' 58.17" (LT)
Degree = 1° 54' 35.49"
Tangent = 1,334.1019
Length = 2,510.6295
Radius = 3,000.0000
External = 283.2648
Long Chord = 2,438.0036
Mid. Ord. = 258.8261
P.C. Station 2498+02.85 N 967,804.2600 E 2,430,156.6954
P.T. Station 2523+13.47 N 965,438.9771 E 2,430,747.7102
C.C. N 967,286.1271 E 2,433,111.6130
Back = S 9° 56' 43.72" W
Ahead = S 38° 00' 14.45" E
Chord Bear = S 14° 01' 45.36" E

Course from PT 73N-22 to PC 73N-23 S 38° 00' 14.45" E Dist 2,514.3332

Curve Data

Curve 73N-23
P.I. Station 2575+84.04 N 961,285.9404 E 2,433,992.8866
Delta = 38° 01' 14.38" (RT)
Degree = 0° 42' 58.31"
Tangent = 2,756.2345
Length = 5,308.6859
Radius = 8,000.0000
External = 461.4909
Long Chord = 5,211.8182
Mid. Ord. = 436.3211
P.C. Station 2548+27.81 N 963,457.7639 E 2,432,295.8270
P.T. Station 2601+36.49 N 958,529.7060 E 2,433,992.0857
C.C. N 958,532.0306 E 2,425,992.0860
Back = S 38° 00' 14.45" E
Ahead = S 0° 00' 59.94" W
Chord Bear = S 18° 59' 37.26" E

Course from PT 73N-23 to PC 73N-24 S 0° 00' 59.94" W Dist 1,510.1219

Curve Data

Curve 73N-24
P.I. Station 2632+28.98 N 955,437.2224 E 2,433,991.1871
Delta = 25° 28' 31.62" (LT)
Degree = 0° 49' 06.64"
Tangent = 1,582.3618
Length = 3,112.4132
Radius = 7,000.0000
External = 176.6196
Long Chord = 3,086.8385
Mid. Ord. = 172.2729
P.C. Station 2616+46.62 N 957,019.5842 E 2,433,991.6469
P.T. Station 2647+59.03 N 954,008.5164 E 2,434,671.3842
C.C. N 957,017.5501 E 2,440,991.6466
Back = S 0° 00' 59.94" W
Ahead = S 25° 27' 31.68" E
Chord Bear = S 12° 43' 15.87" E

Course from PT 73N-24 to PC 73N-25 S 25° 27' 31.68" E Dist 7,450.7564

Curve Data

Curve 73N-25
P.I. Station 2734+14.19 N 946,193.8182 E 2,438,391.9087
Delta = 19° 31' 30.69" (LT)
Degree = 0° 49' 06.64"
Tangent = 1,204.4044
Length = 2,385.4523
Radius = 7,000.0000
External = 102.8579
Long Chord = 2,373.9264
Mid. Ord. = 101.3684
P.C. Station 2722+09.79 N 947,281.2685 E 2,437,874.1810
P.T. Station 2745+95.24 N 945,341.9378 E 2,439,243.3132
C.C. N 950,290.3023 E 2,444,194.4433
Back = S 25° 27' 31.68" E
Ahead = S 44° 59' 02.38" E
Chord Bear = S 35° 13' 17.03" E

Course from PT 73N-25 to PC 73N-26 S 44° 59' 02.38" E Dist 3,740.5731

Curve Data

Curve 73N-26
P.I. Station 2803+06.59 N 941,302.2746 E 2,443,280.7200
Delta = 13° 13' 31.25" (LT)
Degree = 0° 20' 13.32"
Tangent = 1,970.7781
Length = 3,924.0399
Radius = 17,000.0000
External = 113.8530
Long Chord = 3,915.3342
Mid. Ord. = 113.0956
P.C. Station 2783+35.81 N 942,696.2144 E 2,441,887.5588
P.T. Station 2822+59.85 N 940,264.0348 E 2,444,955.8391
C.C. N 954,713.6709 E 2,453,911.7319
Back = S 44° 59' 02.38" E
Ahead = S 58° 12' 33.63" E
Chord Bear = S 51° 35' 48.00" E

Course from PT 73N-26 to PC 73N-27 S 58° 12' 33.63" E Dist 7,839.3880

Curve Data

Curve 73N-27
P.I. Station 2919+85.96 N 935,140.1548 E 2,453,222.8208
Delta = 32° 22' 20.09" (RT)
Degree = 0° 52' 53.30"
Tangent = 1,886.7176
Length = 3,672.5150
Radius = 6,500.0000
External = 268.2866
Long Chord = 3,623.8609
Mid. Ord. = 257.6520
P.C. Station 2900+99.24 N 936,134.1102 E 2,451,619.1512
P.T. Station 2937+71.75 N 933,442.0395 E 2,454,045.0785
C.C. N 930,609.2493 E 2,448,194.8392
Back = S 58° 12' 33.63" E
Ahead = S 25° 50' 13.54" E
Chord Bear = S 42° 01' 23.58" E

Course from PT 73N-27 to 2 S 25° 50' 13.54" E Dist 6,228.2465

Point 2 N 927,836.3884 E 2,456,759.4348 Sta 3000+00.00

Ending chain 73N description



INTERSTATE 73
MARLBORO & DILLON COUNTIES
SOUTH CAROLINA
RICHMOND & SCOTLAND COUNTIES
NORTH CAROLINA

CONCEPTUAL ROADWAY PLANS
I-73 NORTH (I-74 TO I-95)

NOT TO SCALE

GEOMETRIC DATA

SHEET
3E

