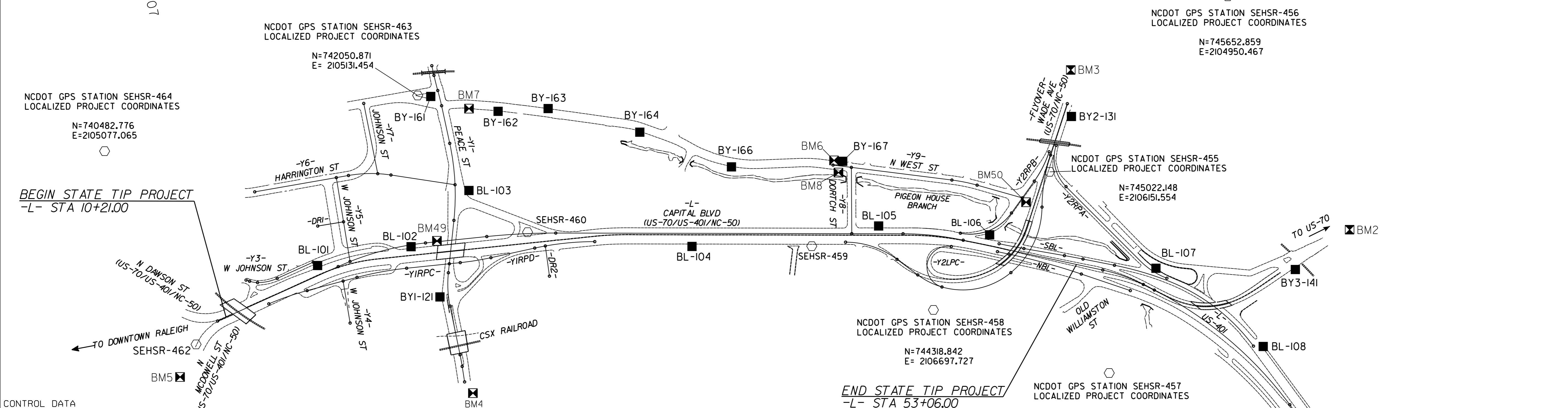
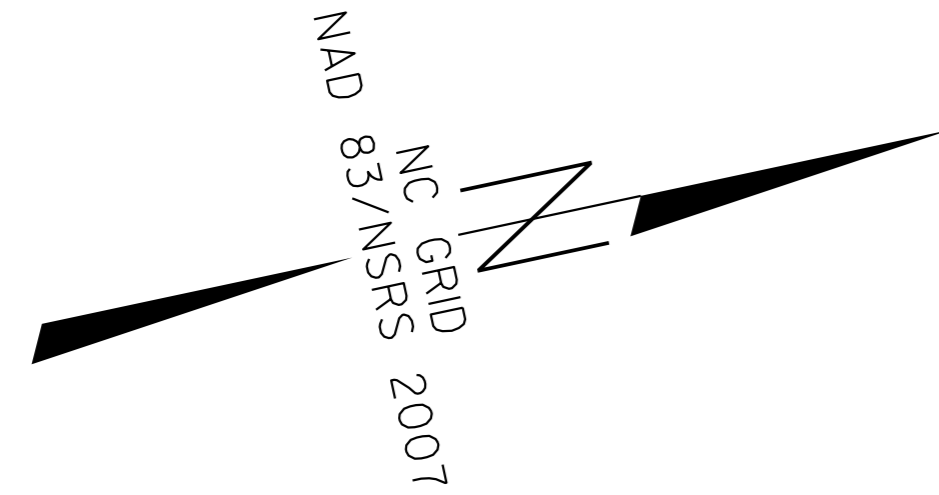


SURVEY CONTROL SHEET B-5121/B-5317

WAKE COUNTY

**BRIDGE NO. 277 ON US-70/US-401/NC-50 (CAPITAL BOULEVARD) OVER PEACE STREET
AND BRIDGE NO. 213 ON US-70/NC-50 (WADE AVENUE) OVER US 401 (CAPITAL BOULEVARD)**



CONTROL DATA

BASELINE POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
462	SEHSR-462	740724.9580	2106103.4720	304.46	OUTSIDE PROJECT LIMITS	
101	BL-101	741392.7737	2105848.2553	293.01	15+37.71	46.62 LT
102	BL-102	741863.3819	2105853.8261	296.15	20+03.28	8.88 RT
103	BL-103	742200.5763	2105642.4633	269.07	23+16.55	235.29 LT
460	SEHSR-460	742440.3480	2105904.1870	287.78	25+82.53	6.94 LT
104	BL-104	743219.2977	2106142.3412	267.57	33+93.93	64.50 RT
459	SEHSR-459	743797.4300	2106264.8280	265.76	39+84.89	62.25 RT
105	BL-105	744141.0761	2106236.1390	264.54	43+14.75	38.30 LT
106	BL-106	744667.6611	2106393.3579	256.54	48+56.42	53.31 LT
107	BL-107	745435.8333	2106726.0218	253.44	56+70.85	99.73 LT
108	BL-108	745872.7914	2107213.9756	246.41	62+99.64	89.75 LT
109	BL-109	746171.2742	2108014.9854	237.47	71+39.68	5.87 LT
454	SEHSR-454	746469.9670	2108672.5580	234.01	78+61.91	5.58 LT

BY1 POINT	DESC.	NORTH	EAST	ELEVATION	Y1 STATION	OFFSET
103	BL-103	742200.5763	2105642.4633	269.07	16+28.47	67.89 LT
121	BY1-121	741950.9387	2106125.9306	290.70	21+49.59	42.00 RT

BY2 POINT	DESC.	NORTH	EAST	ELEVATION	FLYOVER STATION	OFFSET
131	BY2-131	745184.3839	2105906.7742	255.46	27+39.51	38.83 RT
106	BL-106	744667.6611	2106393.3579	256.54	19+71.32	207.02 LT

BY3 POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
107	BL-107	745435.8333	2106726.0218	253.44	56+70.85	99.73 LT
141	BY3-141	746107.2472	2106875.8733	264.95	61+76.63	476.39 LT

BY5A POINT	DESC.	NORTH	EAST	ELEVATION	L STATION	OFFSET
103	BL-103	742200.5763	2105642.4633	269.07	23+16.55	235.29 LT
161	BY-161	742113.1922	2105149.4660	288.46	21+77.16	716.18 LT
162	BY-162	742422.8667	2105290.6443	304.54	24+81.05	610.65 LT
163	BY-163	742667.1629	2105328.9276	304.77	26+88.83	614.30 LT
164	BY-164	743085.1862	2105537.3720	282.43	31+35.20	498.55 LT
166	BY-166	743491.7721	2105799.2643	261.34	35+87.89	328.34 LT
167	BY-167	744034.5016	2105887.1206	258.63	41+36.93	356.98 LT
105	BL-105	744141.0761	2106236.1390	264.54	43+14.75	38.30 LT

BENCHMARK DATA

BM1	ELEVATION = 234.74'
N 746642	E 2108909
L STATION 9+75.00	
N 26°34'31.62" E DIST 6473.21'	
BENCH TIE SET IN POWER POLE	
BM2	ELEVATION = 268.63'
N 746410	E 2106740
L STATION 62+29.00 801' LEFT	
BENCH TIE SET IN POWER POLE	
BM3	ELEVATION = 257.84'
N 745229	E 2105682
FLYOVER STATION 13+98.00 1262' LEFT	
BENCH TIE SET IN AN 18" HARDWOOD TREE	
BM4	ELEVATION = 300.74'
N 742010	E 2106624
Y1 STATION 10+00.00	
S 85°04'14.81" E DIST 1627.52'	
BENCH TIE SET IN POWER POLE	
BM5	ELEVATION = 313.79'
N 740614	E 2106244
L STATION 9+75.00	
S 44°03'13.66" E DIST 332.15'	
BENCH TIE SET IN POWER POLE	
BM6	ELEVATION = 259.28'
N 743993	E 2105874
Y9 STATION 10+02.00 23' LEFT	
BENCH TIE SET IN POWER POLE	
BM7	ELEVATION = 298.06'
N 742285	E 2105248
Y1 STATION 12+46.00 129' LEFT	
BENCH TIE SET IN POWER POLE	
BM8	ELEVATION = 258.81'
N 744002	E 2105937
Y9 STATION 10+31.00 33' RIGHT	
BENCH TIE SET IN 12" HICKORY	
BM49	ELEVATION = 288.28'
N 741994	E 2105852
L STATION 21+34.00 4' LEFT	
SQUARE CHISLED IN CONCRETE RET. WALL	
BM50	ELEVATION = 260.51'
N 744877	E 2106274
Y2RPB STATION 13+71.00 28' RIGHT	
RRS SET IN 32 INCH OAK	

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "SEHSR-4" WITH NAD 83/NSRS 2007 STATE PLANE GRID COORDINATES OF NORTHING: 777964.330(±) EASTING: 2125243.897(±) ELEVATION: 298.67(±)

THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999923460

THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "SEHSR-4" TO -L- STATION 10+21.00 IS S 27°25'59" W 41762.88'

ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES

VERTICAL DATUM USED IS NAVD 88

NOTE: DRAWING NOT TO SCALE

BM5	ELEVATION = 260.51'
N 744877	E 2106274
Y2RPB STATION 13+71.00 28' RIGHT	
RRS SET IN 32 INCH OAK	
BM50	ELEVATION = 260.51'
N 744877	E 2106274
Y2RPB STATION 13+71.00 28' RIGHT	
RRS SET IN 32 INCH OAK	
BM49	ELEVATION = 288.28'
N 741994	E 2105852
L STATION 21+34.00 4' LEFT	
SQUARE CHISLED IN CONCRETE RET. WALL	
BM7	ELEVATION = 298.06'
N 742285	E 2105248
Y1 STATION 12+46.00 129' LEFT	
BENCH TIE SET IN POWER POLE	
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BM5	ELEVATION = 300.74'
N 742010	E 2106624
Y1 STATION 10+00.00	
S 85°04'14.81" E DIST 1627.52'	
BENCH TIE SET IN POWER POLE	
BM4	ELEVATION = 300.74'
N 742010	E 2106624
Y1 STATION 10+00.00	
S 85°04'14.81" E DIST 1627.52'	
BENCH TIE SET IN POWER POLE	
BM2	ELEVATION = 268.63'
N 746410	E 2106740
L STATION 62+29.00 801' LEFT	
BENCH TIE SET IN POWER POLE	
BM3	ELEVATION = 257.84'
N 745229	E 2105682
FLYOVER STATION 13+98.00 1262' LEFT	
BENCH TIE SET IN AN 18" HARDWOOD TREE	

NOTES:

- THE CONTROL DATA FOR THIS PROJECT CAN BE FOUND ELECTRONICALLY BY SELECTING PROJECT CONTROL DATA AT: [HTTPS://CONNECT.NCDOT.GOV/RESOURCES/LOCATION/B5121_ls_control.txt](https://connect.ncdot.gov/resources/location/B5121_ls_control.txt)
- THE FILES TO BE FOUND ARE AS FOLLOWS:
- B5121_ls_control.txt
- SITE CALIBRATION INFORMATION HAS NOT BEEN PROVIDED FOR THIS PROJECT. IF FURTHER INFORMATION IS NEEDED, PLEASE CONTACT THE LOCATION AND SURVEYS UNIT.
- INDICATES GEODETIC CONTROL MONUMENTS USED OR SET FOR HORIZONTAL PROJECT CONTROL BY THE NCDOT LOCATION AND SURVEYS UNIT.
- PROJECT CONTROL ESTABLISHED USING GLOBAL POSITIONING SYSTEM.

6/2/09
14-APR-2016 14:38:15 B5121_B5317_1s_1c-1.dgn