

TYPICAL OVERHEAD SIGN STRUCTURE

(LOOKING IN THE DIRECTION OF TRAFFIC)

NOTES:

ONLY FOUNDATION AND COLUMN DESIGNS ARE PROVIDED IN THESE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND SHOP DRAWINGS OF THE OVERHEAD SIGN AND GANTRY TRUSS STRUCTURES.

CONNECTIONS BY OTHERS.

COLUMNS AND FOUNDATIONS DESIGNED FOR THE EFFECTS OF DEAD, WIND AND ICE LOADS IN ACCORDANCE WITH AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINARIES AND TRAFFIC SIGNALS (90 MPH WIND SPEED).

FOR OVERHEAD AND DYNAMIC MESSAGE SIGN FOUNDATIONS SEE SPECIAL PROVISIONS.

FOR OVERHEAD SIGN AND GANTRY SUPPORTS SEE SPECIAL PROVISIONS.

CLASS 'A' CONCRETE SHALL BE USED IN COLUMNS, FOOTINGS, CAPS AND GRADE BEAMS.

'DRILLED PIER' CONCRETE SHALL BE USED IN DRILLED PIERS WHERE REQUIRED.

DEFORMED STEEL BAR REINFORCEMENT SHALL CONFORM TO AASHTO M31 GRADE 60.

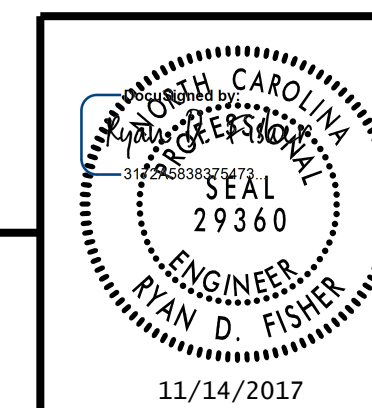
CONTRACTOR SHALL VERIFY COLUMN HEIGHTS AND MINIMUM VERTICAL CLEARANCE PRIOR TO CONSTRUCTION. COLUMN HEIGHTS AND FOOTING ELEVATIONS MAY BE ADJUSTED WITH APPROVAL OF THE ENGINEER.

VERIFY THE LOCATION OF UNDERGROUND UTILITIES AND DRAINAGE STRUCTURES BEFORE DRILLING HOLES TO ENSURE SUFFICIENT CLEARANCE IS AVAILABLE.

STRUCTURE ID	STATION	LOCATION	SPAN	LEFT COLUMN													RIGHT COLUMN												
				OFFSET	NORTHING	EASTING	FOUNDATION TYPE *	COLUMN HEIGHT	ELEV. F	VAR "FA" **	VAR "FB" **	VAR "FC" **	VAR "FF" **	VAR "FG" **	VAR "FH" **	VAR "FJ" **	OFFSET	NORTHING	EASTING	FOUNDATION TYPE *	COLUMN HEIGHT	ELEV. F	VAR "FA" **	VAR "FB" **	VAR "FC" **	VAR "FF" **	VAR "FG" **	VAR "FH" **	VAR "FJ" **
"A"	475+00.00	-NC540-	88.00'	18.97' RT.	739,842.1703	2,033,773.0669	B1	25'-7"	341.25	8'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"	106.97' RT.	739,860.2161	2,033,859.1968	B1	26'-2"	340.66	7'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"
"C"	550+00.00	-NC540-	85.00'	18.17' RT.	747,182.6172	2,032,234.2882	B1	25'-7"	349.26	8'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"	103.17' RT.	747,200.0478	2,032,317.4818	B1	26'-9"	348.09	8'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"
"D"	590+21.00	-NC540-	94.00'	19.19' LT.	751,174.9970	2,031,913.6474	B1	26'-4"	311.83	17'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"	113.19' LT.	751,174.9970	2,031,819.6474	B1	29'-3"	308.91	11'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"
"F"	691+50.00	-NC540-	91.00'	2.91' RT.	760,801.1427	2,033,520.9178	B1	28'-1"	368.28	13'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"	88.09' LT	760,862.3885	2,033,453.6129	B1	26'-4"	370.03	15'-0"	3'-6"	14	6"	2'-6"	4'-6"	6'-2"

* TYPE B1 = SINGLE DRILLED SHAFT FOUNDATION
 ** SEE "FOUNDATION DETAILS SHEET"

PROJECT NO. U-5315 A & B
WAKE COUNTY
 STATION: _____



RK&K
 RUMMEL, KLEPPER & KAHL, LLP
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 RALEIGH, NC 27609-3960 (919) 878-9560
 NC LICENSE NUMBER: F-0112

STATE OF NORTH CAROLINA
 DEPARTMENT OF TRANSPORTATION
 RALEIGH
OVERHEAD STRUCTURES
 OVERHEAD SIGN STRUCTURES
 DATA TABLE

REVISIONS				SHEET NO.		
NO.	BY:	DATE:	NO.	BY:	DATE:	TOTAL SHEETS
1			3			12
2			4			

DRAWN BY : B. A. HAAG DATE : AUG 2017
 CHECKED BY : R. D. FISHER DATE : AUG 2017
 DESIGN ENGINEER OF RECORD : R. D. FISHER DATE : AUG 2017

**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**