

**TYPICAL OVERHEAD GANTRY 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	FOUNDATION TYPE *	COLUMN HEIGHT	ELEV. F	VAR "FA" **	VAR "FB" **	VAR "FC" **	VAR "FF" **	VAR "FG" **	VAR "FH" **	VAR "FJ" **	OFFSET	FOUNDATION TYPE *	COLUMN HEIGHT	ELEV. F	VAR "FA" **	VAR "FB" **	VAR "FC" **	VAR "FF" **	VAR "FG" **	VAR "FH" **	VAR "FJ" **
T15 IN	21+16.00	-LPD-	46.00'	16'-0" RT.	B1	26'-2"	352.90	13'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"	30'-0" LT.	B1	27'-2"	351.90	13'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"
T15 OUT	20+66.00	-LPD-	46.00'	16'-0" RT.	B1	26'-4"	353.63	13'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"	30'-0" LT.	B1	27'-1"	352.88	13'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"
T16 IN	20+14.00	-RPB-	44.00'	14'-0" LT.	B1	26'-10"	332.89	7'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"	30'-0" RT.	B1	26'-11"	332.80	10'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"
T16 OUT	20+64.00	-RPB-	44.00'	14'-0" LT.	B1	26'-10"	334.04	7'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"	30'-0" RT.	B1	27'-3"	333.62	10'-0"	3'-0"	11	6"	2'-6"	4'-0"	6'-2"

\* TYPE B1 = SINGLE DRILLED SHAFT FOUNDATION

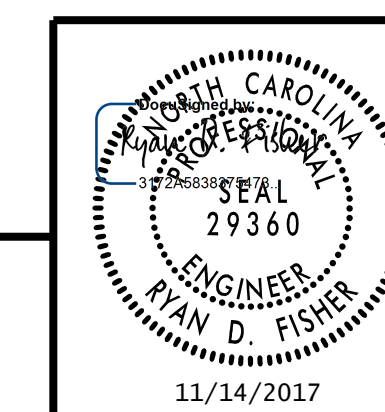
\*\* SEE "FOUNDATION DETAILS SHEET"

PROJECT NO. U-5315 A & B

WAKE COUNTY

STATION: \_\_\_\_\_

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION  
RALEIGH  
**OVERHEAD STRUCTURES**  
OVERHEAD GANTRY STRUCTURES  
DATA TABLE



**RK&K**  
RUMMEL, KLEPPER & KAHL, LLP  
900 RIDGEFIELD DRIVE SUITE 350  
RALEIGH, NC 27609-3960 (919) 878-9560  
NC LICENSE NUMBER: F-0112

11/14/2017

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

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

11/13/2017 R:\DGN\11050\_SD\_OHS\_003.dgn

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