

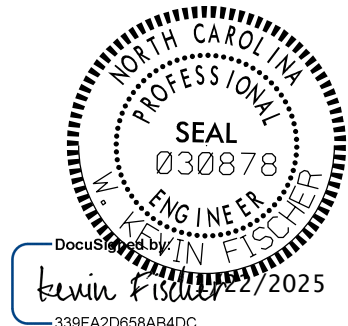
BILL OF MATERIAL						
FOR ONE BENT						
BAR	NO.	SIZE	TYPE	LENGTH	WEIGHT	
B1	10	#11	1	35'-2"	1868	
B2	9	#5	STR	32'-2"	302	
D1	40	#6	STR	1'-6"	90	
M1	30	#11	STR	36'-7"	5831	
S1	52	#5	2	9'-0"	488	
U1	6	#4	3	5'-8"	23	
U2	6	#4	3	5'-6"	22	
U3	32	#4	3	4'-2"	89	
V1	30	#11	4	9'-8"	1541	
REINFORCING STEEL (FOR ONE BENT)					10254 LBS.	
SP-1	3	*	5	512'-6"	1604	
SP-2	3	**	6	187'-1"	375	
SPIRAL COLUMN REINFORCING STEEL (FOR ONE BENT)					1979 LBS.	
* THE SP-1 SPIRAL REINFORCING STEEL SHALL BE W31 OR D-31 COLD DRAWN WIRE OR #5 PLAIN OR DEFORMED BAR						
** THE SP-2 SPIRAL REINFORCING STEEL SHALL BE W20 OR D-20 COLD DRAWN WIRE OR #4 PLAIN OR DEFORMED BAR						
CLASS A CONCRETE BREAKDOWN (FOR ONE BENT)						
POUR #2 (COLUMNS)					3.3 C.Y.	
POUR #3 (CAP)					11.9 C.Y.	
TOTAL CLASS A CONCRETE					15.2 C.Y.	
DRILLED PIERS: (FOR ONE BENT)						
DRILLED PIER CONCRETE						
POUR #1 (DRILLED PIERS)					26.8 C.Y.	

PROJECT NO. **DF18314.2044188**
HAYWOOD COUNTY
STATION: **12+67.00 -L-**

SHEET 2 OF 2

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

SUBSTRUCTURE
BENT 1



DOCUMENT NOT CONSIDERED
FINAL UNLESS ALL
SIGNATURES COMPLETED

REVISIONS					SHEET NO.
NO.	BY:	DATE:	NO.	BY:	
1			3		S-19
2			4		TOTAL SHEETS 21

STD. NO. DP_BT_30_90S_<50'



VHB Engineering NC, P.C. (C-3705)
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DRAWN BY : E.C. PHELPS DATE : 10/2024
CHECKED BY : W.K. FISCHER DATE : 11/2024
DESIGN ENGINEER OF RECORD: W.K. FISCHER DATE : 12/2024

1/20/2025
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