

12/06/07

COMPUTED BY: SLK DATE: 01/08/19  
CHECKED BY: GSP DATE: 01/08/19

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

BRIDGE #410115 PROJECT REFERENCE NO. BR-0113 SHEET NO. 3B-1

SUMMARY OF EARTHWORK

Table with columns: STATION, STATION, UNCL. EXCAV. (CY), EMBANK. +% (CY), BORROW (CY), WASTE (CY). Rows include station ranges and subtotals.

PER GEOTECH RECOMMENDATIONS:  
UNDERCUT EXCAVATION = 300 CY  
GEOTEXTILE FOR SOIL STABILIZATION = 300 SY  
SELECT GRANULAR MATERIAL = 300 CY

NOTE: Earthwork quantities are calculated by the Roadway Engineer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

Approximate quantities only. Unclassified excavation, borrow excavation, fine grading, clearing and grubbing, and removal of existing pavement will be paid for at the lump sum price for "Grading".

ASPHALT PAVEMENT  
REMOVAL SUMMARY

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows show station ranges and a total of 320.98 YD'.

SHOULDER BERM GUTTER SUMMARY

Table with columns: SURVEY LINE, STATION, STATION, LENGTH. Rows show station ranges and a total length of 28.26'.

ETHERILL ENGINEERING logo and contact information: 1223 Jones Franklin Rd, Raleigh, N.C. 27606, License No. F-0377, Bus: 919 851 8077, Fax: 919 851 8107.

SUB-REGIONAL & REGIONAL  
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

Main table for pipes and endwalls with columns for station, location, structure no., elevation, pipe type, size, and remarks. Includes a total row at the bottom.

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL.  
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOULDER BREAK POINT.  
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL.  
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.  
G = GATING IMPACT ATTENUATOR TYPE 350  
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

GUARDRAIL SUMMARY

Table for guardrail summary with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH, WARRANT POINT, FLARE LENGTH, W, ANCHORS, IMPACT ATTENUATOR, SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

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