

12/06/07

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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SHOULDER BERM
GUTTER SUMMARY

BRIDGE# 030014

PROJECT REFERENCE NO. SHEET NO.
BR-0062 3B-1



1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

SUMMARY OF EARTHWORK

Table with columns: STATION, UNCLASSIFIED EXCAVATION (CY), EMBANKMENT (+% (CY)), BORROW (CY), WASTE (CY). Rows include DETOUR REMOVAL, SHOULDER CONSTRUCTION, and GRAND TOTALS.

PER GEOTECHNICAL RECOMMENDATIONS:
UNDERCUT EXCAVATION = 1,450 CY
SELECT GRANULAR MATERIAL CLASS III = 3,450 CY
GEOTEXTILE FOR SOIL STABILIZATION = 5,700 SY
GEOTEXTILE FOR SUBGRADE STABILIZATION = 1,500
SHALLOW UNDERCUT = 500 CY
CLASS IV SUBGRADE STABILIZATION = 1,000 TON
DRAINAGE DITCH EXCAVATION = 70 CY

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

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.

ASPHALT PAVEMENT
REMOVAL SUMMARY

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, YD'. Rows show removal quantities for various survey lines.

Table with columns: SURVEY LINE, STATION, STATION, LOCATION LT/RT/CL, LF. Rows show shoulder berm gutter summary data.

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

Large table with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH, WARRANT POINT, ANCHORS, IMPACT ATTENUATOR TYPE 350, SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

TEMPORARY GUARDRAIL SUMMARY

Table with columns: SURVEY LINE, BEG. STA., END STA., LOCATION, LENGTH, WARRANT POINT, ANCHORS, IMPACT ATTENUATOR TYPE 350, SINGLE FACED GUARDRAIL, REMOVE EXISTING GUARDRAIL, REMOVE AND STOCKPILE EXISTING GUARDRAIL, REMARKS.

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