

PROJECT: BD-5111AB COUNTY: Yadkin

Volumes in Cubic Yards

DATE: 8/24/2015
DATE: 8/24/2015

COMPILED BY: MEY
CHECKED BY: ABP

SHEET OF SHEETS

STATION	STATION	EXCAVATION					EMBANKMENT				BORROW	WASTE				
		TOTAL UNCLASS.	ROCK	UNDERCUT	UNSUIT. UNCLASS.	SUITABLE UNCLASS.	TOTAL	ROCK	EARTH	EMBANK. +15%		ROCK	SUITABLE	UNSUIT.	TOTAL	
-L- 10+25.00	-L- 11+84.49	323				323	140		140	161			162			162
-L- 12+56.74	-L- 14+00.00	23				23	377		377	434	411					
SUBTOTAL		346				346	517		517	595	411		162			162
TOTAL		346				346	517		517	595	411		162			162
MATERIAL FOR SHOULDER CONSTRUCTION																
LOSS DUE TO CLEARING & GRUBBING		-17				-17					17					
ADDITIONAL UNDERCUT																
ROCK WASTE TO REPLACE BORROW																
ADJUST FOR ROCK WASTE																
WASTE IN LIEU OF BORROW											-162		-162			-162
PROJECT TOTAL		329				329	517		517	595	266					
EST. 5% TO REPLACE TOP SOIL ON BORROW PIT											13					
GRAND TOTAL		329				329	517		517	595	279					
SAY		340									290					

NOTE: EARTHWORK QUANTITIES ARE CALCULATED BY THE ROADWAY DESIGN UNIT. THESE EARTHWORK QUANTITIES ARE BASED IN PART ON SUBSURFACE DATA PROVIDED BY THE GEOTECHNICAL ENGINEERING UNIT.

COMPUTED BY: MEY DATE: 08/24/2015
 CHECKED BY: ABP DATE: 08/24/2015

PROJ. REF. NO. BD-5111AB SHEET NO. _____

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

GUARDRAIL SUMMARY

G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

WS10820

"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 BEGIN

ALN.	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS					IMPACT ATTENUATOR TYPE 350		REMARKS		
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPRO ACH END	TRAILING END	APPR. END	TRAIL. END	TYPE-III	TYPE-III SHOP CURVED	GRAU 350	TL-2	AT-1	G	NG			
-L-	11+28.24	11+84.49	LT	56.25					2	5					1									
-L-	10+65.74	11+84.49	RT	118.75					2	5					1									
-L-	12+56.74	13+12.99	LT	56.25					2	5					1									
-L-	12+56.74	13+12.99	RT	56.25					2	5					1									
SUBTOTAL:				287.50	0.00										4	0	0	4	0					
ANCHOR UNIT DEDUCTIONS:																								
Type-III SC @ 18.75' Each					0.00																			
Type-III @ 18.75' Each					-75.00																			
TL-2 @ 25' Each					-100.00																			
AT-1 @ 6.25' Each																								
LESS GUARDRAIL DEDUCTIONS:				112.50	0.00																			
PROJECT TOTAL:				112.50	0.00																			
SAY:				112.5	0.0										4	0	0	4	0					