8/17/99

REVISIONS

SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- Sta. 10+50.00	-L- Sta. 13+43.56	178	527	349	
-L- Sta. 13+56.44	-L- Sta. 18+50.00	63	428	365	
SUBTOTAL:		241	955	714	
PROJECT TOTAL:		241	955	714	
EST. 5% REPLACE TOPSOIL ON BORROW PIT				36	
GRAND TOTALS:		241	955	750	
SAY:		**250**		**800**	

UNDERCUT EXCAVATION = 400 CY (Contingency)
SELECT GRANULAR MATERIAL = 400 CY (Contingency)
GEOTEXTILE FOR SOIL STABILIZATION = 400 SY (Contengency)
(Total square yards of Geotextile for Soil Stabilization is only the contingent quantity and may only represent a portion of the geotextile quantity shown in the Item Sheets of the Proposal.)

Note: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for grading.

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.

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL	ASPHALT BREAKUP	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	10+50.00	13+49.64	CL	664.60			
-L-	15+49.70	18+50.00	CL	674.96			
		TOTAL:		1,339.55			
		SAY:		**1,340**			

SHOULDER BERM GUTTER SUMMARY

IN LINEAR FEET

LINE	Station	Station	LENGTH
-L- LT	13+05.00	13+25.31	20.31
-L- RT	13+05.00	13+40.41	35.41
		TOTAL:	55.72
		SAY:	**60**

"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

GUARDRAIL SUMMARY

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

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOUL WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350		SINGLE FACED CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GREU, TL-3	M-350	XIII	CAT-1	VI MOD	BIC	TYPE III	G	NG				
-L-	10+90.91	13+34.66	LT	243.75'				13+34.66	5'-5"	8'-5"		1'		50'			1						1				251.83'		TOTAL SHOULDER WIDTH IS INCREASED TO 9'-11" WITHIN LIMITS OF ROCK PLATING
-L-	11+08.71	13+52.46	RT	243.75'			13+52.46		5'-5"	8'-5"	1'		50'				1						1				252.09'		
-L-	15+47.54	16+22.54	LT	75'			15+47.54		5'-5"	8'-5"	1'		50'				1						1				27.29'		
-L-	15+65.34	16+40.34	RT	75'				15+65.34	5'-5"	8'-5"		1'		50'			1						1				27'		
			SUBTOTAL:	637.50'																							558.21'		
		LESS ANCHOR DEDUCTIONS:																											
		TYPE III (4 @ 18.75')		-75'																									
		GREU, TL-3 (4 @ 50')		-200																									
			TOTAL:	362.50'																							558.21'		
			SAY:	375'																							560'		
		ADDITIONAL GUARDRAIL POSTS = 5 EA																											

5/1/2018
USER: cjbell
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