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SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
–L– Sta. 11+00.00 to 14+17.30	228		133		95
SUBTOTAL	228		133		95
PROJECT TOTAL	228		133		95
5% for Borrow Pit					
GRAND TOTAL	228		133		95
SAY	230		135		95

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."

CONTINGENCY ITEM UNDERCUT EXCAVATION 50 CY
INCIDENTAL STONE 50 TONS
SELECT GRANULAR MATERIAL 50 CY
CLASS IV SUBGRADE STABILIZATION 50 TONS
GEOTEXTILE FOR SOIL STABILIZATION 50 SY

EXISTING PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

STATION TO STATION	ASPHALT PAV'T REMOVAL	ASPHALT PAV'T BREAKUP	CONCRETE PAV'T REMOVAL	CONCRETE PAV'T BREAKUP
–L– 11+00 – 12+52	600			
–L– 12+72 – 14+17.28	291			
TOTAL	891			
SAY	900			

"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

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 GUARDRAIL	REMOVE EXISTING GUARDRAIL	REMOVE AND 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-2	M-350	XIII	CAT-1	VI MOD	BIC	AT-1	EA	G	NG				
–L–	12+00	13+12.50	LT	112.5'			12+17	12+58	3'	7'							2													
–L–	12+10	13+32.50	RT	75'	25'		12+55	12+97	3'	7'							1						1							
TOTAL				187.5'	25'												3						1							
DEDUCTIONS FOR ANCHOR UNITS																														
3 TYPE GREU TL-2 @ 25'				–75'																										
1 AT-1 @ 6.25'					–6.25'																									
GRAND TOTAL				112.5'	18.75'												3						1							
SAY				112.5'	25'																									
ADDITIONAL GUARDRAIL POSTS 5 EACH																														