"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 SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS								IMPACT ATTENUATOR TYPE 350			REMARKS
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	AT–1	GREU TL–3	TYPE III						NO.	PERMITTED G	PERMITTED NG	
–L–	12+86.63	13+67.88	RT	81.25′				13+67.88	4′	7′	50′		1′			1	1									
–L–	12+86.63	13+67.88	LT	81.25′			13+67.88		4′	7′		50′		1′		1	1									
–L–	14+25.13	15+31.38	RT	106.25′			14+25.13		4′	7′		50′		1′		1	1									
–L–	14+25.13	15+06.38	LT	81.25′				14+25.13	4′	7′	50′		1′			1	1									
		SUBTOTAL		350.00′																						
		LESS ANCHOR DEDUCTIONS																								
		GREU, TL–3 4 x 50.00′ =		–200.00′																						
		TYPE III 4 x 18.75′ =		–75.00′																						
		TOTAL		75.00′												4	4									ADDITIONAL GUARDRAIL POST = 5 EA

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	SY
–L–	12+00.00	13+84.82	CL	407.94
–L–	14+25.84	16+50.00	CL	513.53
			TOTAL:	921.46
			SAY:	970

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	BEG. STA.	END STA.	LENGTH
–L– RT	14+36.00	14+80.00	44.00′
		TOTAL	44.00′
		SAY	50.00′

SUMMARY OF EARTHWORK
IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
–L– 12+00.00 TO 13+67.88 (BEGIN BRIDGE)	76		115	39	
–L– 14+25.13 (END BRIDGE) TO 16+50.00	81		378	297	
SUBTOTAL	157		493	336	
WASTE IN LIEU OF BORROW					
EST. SHOULDER MATERIAL				127	
PROJECT TOTAL	157		493	463	
5% TO REPLACE BORROW				24	
GRAND TOTAL	157		493	487	
SAY	170			520	

EST. 75 CY SELECT GRANULAR MATERIAL (CONTINGENCY)
EST. 50 CY UNDERCUT (CONTINGENCY)
EST. 40 CY DDE (SEE PLAN SHEET 4)

NOTE: Approximate quantities only. Unclassified Excavation, Borrow Excavation, Fine Grading, Clearing and Grubbing and Removal of Existing Asphalt Pavement will be paid for at the contract Lump Sum price for "Grading".

SUMMARY OF BRIDGE WAITING PERIODS

BRIDGE DESCRIPTIONS	END BENT/ BENT NO.	MONTHS
BRIDGE NO. 28 ON SR 1210 (MONTGOMERY RD.) OVER BILLY'S CREEK	END BENT 1	1

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