

GUARDRAIL SUMMARY

W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
 "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.

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS			REMARKS
				STRAIGHT	SHOP CURVED	GUARDRAIL REMOVAL	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	TYPE III		
-L-	16+28.75	18+72.50	RT	243.75'				18+84.00	8'	11'	50'		1'		1	1		
-L-	17+35.00	18+72.50	LT	137.5'				18+84.00	8'	11'		50'		1'	1	1		
-L-	19+70.50	22+70.50	LT	300'				19+59.00	8'	11'	50'		1'		1	1		
-L-	19+70.50	21+51.75	RT	181.25'				19+59.00	8'	11'			1'		1	1		
			SUBTOTAL	862.5'														
			ANCHOR DEDUCTIONS															
			GRAU 350 4 X 50' =	-200'														
			TYPE III 4 X 18.75' =	-75'														
			TOTAL	587.5'														
			SAY	612.5'														
			(5 ADDITIONAL GUARDRAIL POSTS)															

SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	TOTAL UNCLASS	UNDERCUT	EMBT	BORROW	WASTE
SUMMARY NO.1 (-L- CONST)					
13+50.00 TO 18+84.00 +/- (begin bridge)	68	0	2,684	2,619	3
SUMMARY NO.2 (-L- CONST)					
19+59.00 +/- (end bridge) TO 24+00.00	108	0	1,314	1,211	5
DETOUR SR1434 SR1435 SR1700 SR1701	2,650	0	2,650	0	2,650
TOTAL	2,826	0	3,998	3,830	2,658
WASTE IN LIEU OF BORROW					
ADDITIONAL UNDERCUT (AS PER GEOTECH.)		200	260	260	200
+5% TO REPLACE TOPSOIL AT BORROW PITS				205	
PROJECT TOTAL	2,826	200	4,258	4,295	2,858
SAY	2,850			4,300	

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW EXCAVATION, FINE GRADING, CLEARING AND GRUBBING, BREAKING OF EXISTING PAVEMENT, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR "GRADING"

PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION	AREA SYD
-L-	18+60.00	18+97.94	CL	105.01
-L-	19+45.04	19+83.00	CL	105.15
			TOTAL:	210.14
			SAY:	215

PAVEMENT BREAK-UP

SURVEY LINE	STATION	STATION	LOCATION	AREA SYD
-L-	14+95.00	18+60.00	CL	986.16
-L-	19+83.00	20+30.00	CL	127.04
			TOTAL:	1,113.21
			SAY:	1,200

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MBLetchworth