

SUMMARY OF EARTHWORK (CUBIC YARDS)

LINE	Station	Station	Uncl. Excav.	Undercut Excav.	Embank. +%	Borrow	Waste
-DET-	10+00	15+70	1,060		2,399	1,339	
Detour Bridge							
-DET-	17+50	20+55	77		5,742	5,665	
SUBTOTAL:			1,137		8,141	7,004	
-L-	18+00	20+85	78		498	420	
Bridge							
-L-	22+90	25+75	65		1,003	938	
SUBTOTAL:			143		1,501	1,358	
Detour Removal (-L- Stationing)							
-DET-	15+34.57	21+01.14	1,850		0	0	1,850
Detour Bridge							
-DET-	22+81.03	25+75	4,051		0	0	4,051
SUBTOTAL:			5,901		0	0	5,901
PROJECT TOTALS:			7,181		9,642	8,362	5,901
Shoulder Material (Detour)					336	336	
PROJECT TOTALS:			7,181		9,978	8,698	5,901
GRAND TOTALS:			7,181			8,698	5,901
SAY:			7,700			9,300	6,300

SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

Line	Station	Station	Location LT/RT/CL	SY
-DET-	10+00	15+70	CL	1,061
-DET-	17+50	20+55	CL	826
TOTAL:				1,887
SAY:				1,920

" = 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.
 = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL.
 = GATING IMPACT ATTENUATOR TYPE 350
 = NON-GATING IMPACT ATTENUATOR TYPE 350

-L- & -DET- Pavement Structure Volume = 1669 cu. yd.
 -DET- DDE: 105 cu. yd. -L- DDE: 207 cu. yd.
 Shoulder Borrow (-L-) = 75 cu. yd.
 Geotech Est. Undercut = 500 cu. yd.

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

GUARDRAIL SUMMARY

LINE	BEG. STA.	END STA.	LOC.	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL BERM WIDTH	FLARE LENGTH		W		ANCHORS					IMP. ATTEN. TYPE 350			REMOVE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPR. END	TRAIL. END			APPR. END	TRAIL. END	APPR. END	TRAIL. END	CAT-1	III	GRAU 350	M-350	AT-1	EA	G	NG			
-L-	18+84.75	20+66	RT	181.25			BRIDGE		8'		162.5'		3.25'			1	1						147	GUARDRAIL REMOVAL ON LEFT AND RIGHT	
-L-	23+09	25+52.75	RT	243.75				BRIDGE	8'			50'		1'		1	1						123	GUARDRAIL REMOVAL ON RIGHT	
-L-	22+85	24+41.25	LT	156.25			BRIDGE		7.5'		137.5'		2.75'			1	1						61	GUARDRAIL REMOVAL ON LEFT	
-DET-	13+48.75	15+30	RT	181.25			BRIDGE		2'		162.5'		3.25'			1	1						181.25	REMOVE DETOUR GUARDRAIL	
-DET-	17+30	18+53.75	RT	93.75				BRIDGE	2'			75'		1.5'		1	1						93.75	REMOVE DETOUR GUARDRAIL	
SUBTOTAL:				856.25												5	5								
ANCHOR DEDUCTIONS:																									
TYPE III - 5 @ 18.75' EA:				93.75																					
GRAU-350 - 5 @ 50' EA:				250.00																					
ADDITIONAL GUARDRAIL POSTS = 5 EA																									
GRAND TOTALS:				512.50																				606.00	TOTAL GUARDRAIL REMOVAL
SAY:				537.50																					