SUMMARY OF EARTHWORK

	IN	CUBIC YA	ARDS			
STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE	
SUMMAR	Y NO. 1					
L 13 + 50.00	_L_ 15 + 46.81	48	990	942		
TOTAL SUM	MARY NO. 1	48	990	942		
SUMMAR	Y NO. 2					
L 17 + 39.19	-L- 20+00.00	101	1277	1277 1176		
TOTAL SUM	MARY NO. 2	101	1277	1176		
SUMMARY	TOTALS	149	2267	2118		
PROJECT	TOTALS	149	2267	2118		
EST. 5% TO REP	LACE TOPSOIL OI	N BORROW	PIT	106		
GRAND	TOTALS	149		2224		
SA	ΑY	200		2300		
DDE = 18 CY						
UNDERCUT EXCA	VATION = 200					
SELECT GRANULA	AR MATERIAL =					

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.

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."

"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

NG = NC	N-GATING IMPACT A	ATTENUATOR TYPE 35	00								_		_											
SURVEY LINE BEG. STA. EI	DEC STA	END STA. LOCATION		END STA. LOCATION -		LENGTH		WARRA	NT POINT	"N" DIST.	TOTAL	FLARE I	LENGTH	,	W			A	ANCHORS	IMPACT ATTENUATOR	SINGLE	REMOVE	REMOVE AND	
	A. END STA. LOCATION		BEG. STA. END STA.		STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	SHOUL. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	TYPE III			TYPE 350	SINGLE FACED GUARDRAIL	REMOVE EXISTING GUARDRAIL	AND STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	14 + 71.81	15 + 46.81	LT.	75				15 + 46.81	4.25	9		56.25		1.125	1	1								
-L-	14 + 71.81	15 + 46.81	RT.	75			15 + 46.81		4.25	9	56.25		1.125		1	1								
-L-	17 + 39.19	18 + 14.19	LT.	75			17 + 39.19		4.25	9	56.25		1.125		1	1								
-L-	17 + 39.19	19 + 76.69	RT.	237.5				19 + 50.00	6.00	9		87.50		1.75	1	1								
			SUB-TOTAL	462.5											4	4								
LESS DEDU	CTIONS FOR AN	CHORS GRAU-	-350 4 @ 50 =	-200																				
		TYPE	III 4 @ 18.75 =	- 75																				
			PROJECT TOTAL	187.5											4	4								
			SAY	200.0																				
ADDITION	AL GUARDRAIL PO	OSTS = 5 EA.																						

SUMMARY OF ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
-L-	13 + 50.00	15 + 58.09	LT/RT	437.08
-L-	17 + 33.35	20 + 00.00	LT/RT	550.34
			TOTAL:	987.43
			SAY:	990

SHOULDER BERM GUTTER SUMMARY

SURVEY LINE	LOC.	STATION	STATION	LENGTH
-L-	LT.	15+10.00	15 + 35.81	25.81
-L-	RT.	15 + 10.00	15 + 35.81	25.81
			TOTAL:	51.62
			SAY:	55.00