

### SUMMARY OF EARTHWORK

IN CUBIC YARDS

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
-L- Sta. 12+50.00 RT (PHASE I)	-L- Sta. 16+50.00 RT	21	1630	1609	
-L- Sta. 17+50.00 RT (PHASE I)	-L- Sta. 18+20.00 RT	84	75		9
-L- Sta. 12+50.00 LT (PHASE I)	-L- Sta. 14+00.00 LT	0	61	61	
<b>SUBTOTALS:</b>		105	1766	1670	9
-L- Sta. 14+00.00 (PHASE II)	-L- Sta. 16+50.00	93	70		23
-L- Sta. 17+50.00 (PHASE II)	-L- Sta. 18+20.00	31	25		6
<b>SUBTOTALS:</b>		124	95	0	29
<b>TOTALS:</b>		124	95	1670	38
<b>USE WASTE IN LIEU OF BORROW</b>				-9	-9
<b>SUBTOTALS:</b>		229	1861	1661	29
<b>EST. 5% REPLACE TOPSOIL ON BORROW PIT</b>				83	
<b>GRAND TOTALS:</b>		229		1744	
<b>SAY:</b>		250		1750	

DDE 100 CY  
 Undercut (Contingency) 150 CY  
 Geotextile for Soil Stabilization 300 SY  
 Shallow Undercut (Contingency) 100 CY  
 Class IV Subgrade Stabilization (Contingency) 200 Tons  
 Select Granular Material (Contingency) 100 CY

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

### PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION (LT/RT/CL)	ASPHALT REMOVAL (SQUARE YARDS)
-L-	12+20	19+98	LT	464.84
-L-	17+38.50	18+30	LT	247.99
<b>TOTAL:</b>				712.83
<b>SAY:</b>				725

### SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-L- (Right)	17+48.49 (End Approach Slab)	17+62	14
-L- (Left)	17+55.33 (End Approach Slab)	17+70	15
<b>TOTAL:</b>			29
<b>SAY:</b>			30

REVISIONS

## GUARDRAIL SUMMARY

"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

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 CONCRETE BARRIER	REMOVE EXISTING GUARDRAIL	REMOVE & STOCKPILE EXISTING GUARDRAIL	REMARKS	
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350 TL-2	Type III	G	NG							
-L-	16+14.42	16+64.42 (BR)	LT	50				16+64.42 (Bridge)	5'-5"	8'-5"															
-L-	13+12.12	16+55.87 (BR)	RT	350				13+87	5'-5"	8'-5"	25		0.5												
-L-	17+44.42 (BR)	17+94.42	LT	50				17+44.42 (Bridge)	5'-5"	8'-5"	25		0.5												
-L-	17+35.58 (BR)	17+85.58	RT	50				17+35.58 (Bridge)	5'-5"	8'-5"		25		0.5											
<b>SUBTOTALS</b>				500																					
<b>LESS ANCHOR DEDUCTIONS:</b>																									
TYPE III (4 @ 18.75')				-75																					
GRAU-350 TL-2 (4 @ 25')				-100																					
<b>GRAND TOTAL</b>				325																					
<b>SAY</b>				325																					
ADDITIONAL GUARDRAIL POSTS = 5 EA																									

8/17/99

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 USER: burrows