PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.56	3B-1
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

SUMMARY OF EARTHWORK

Station	Station	Uncl. Excav.	Embank. +%	Borrow	Waste
12+35.00	14+83.77 (BR)	916	79		837
16.36.23 (BR)	19+50.00	1237	278		959
GRAND TOTALS:		2153	357		1796
SAY:		2200			

Contingency Undercut = 400 CY
Select Granular Material = 400 CY
Geotextile for Soil Stabilization = 400 SY

PAVEMENT REMOVAL SUMMARY

IN SQUARE YARDS

SURVEY LINE	Station	Station	LOCATION LT/RT/CL	ASPHALT REMOVAL
-L-	12+35.00	15+06.11	CL	719.11
-L-	16+26.75	19+50.00	CL	854.32
		TOTAL:		1573.43
		SAY:		1575

SHOULDER BERM GUTTER SUMMARY

LINE	Station	Station	LENGTH
-L-	14+55.00	14+67.09	12.09
-L-	14+65.00	14+75.71	10.71
		TOTAL:	22.8
		SAY:	25

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

GUARDRAIL SUMMARY

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	XI MOD	XI	GRAU 350	M-350	XIII	CAT-1	VI MOD	BIC	TYPE III	G	NG				
-L-	12+77.02	14+89.52	RT	212.5			14+89.52		VAR.	11'-0"	193.75		3'-10"				1						1						GRAU-350 TL-3
-L-	13+42.97	14+80.47	LT	137.5				14+80.47	VAR.	11'-0"		118.75		2'-5"			1						1						GRAU-350 TL-3
-L-	16+39.53	17+89.53	RT	150				16+39.53	VAR.	11'-0"		131.25		2'-6"			1						1						GRAU-350 TL-3
-L-	16+30.47	19+05.47	LT	275			16+30.47		VAR.	11'-0"	256.25		4'-1"				1						1						GRAU-350 TL-3
		SUBTOTALS		775													4						4						
		DEDUCITONS FOR ANCHOR UNITS																											
		GRAU-350 TL-3	4 @ 50'	-200																									
		TYPE III	4 @ 18.75'	-75																									
		PROJECT TOTALS		500																									
		SAY		525																									
	ADDITIONAL GUARDRAIL POSTS = 5 EA																												

REVISIONS

8/17/99

3/4/2016
-L-Q0920003.RDY_SUM_03B-1.dgn
USER:Gurley