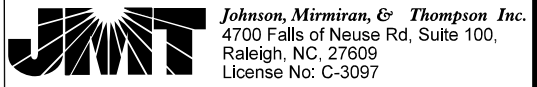


5/14/99

COMPUTED BY:	KTB	DATE:	2-10-25
CHECKED BY:	JCL	DATE:	2-11-25

PROJECT REFERENCE NO.	SHEET NO.
U-6005	3B-1



SUMMARY OF ASPHALT PAVEMENT REMOVAL

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	ASPHALT REMOVAL (SY)	ASPHALT BREAKUP (SY)	CONCRETE REMOVAL	CONCRETE BREAKUP
-L-	12 + 54.00	14 + 50.00	LT	44			
-L-	23 + 68.00	29 + 58.00	MED RT	131			
-L-	23 + 68.00	29 + 58.00	MED LT	131			
-Y6Rev1-	10 + 29.00	12 + 10.00	LT	40			
-Y7Rev-	10 + 84.00	12 + 00.00	LT	26			
-L-	31 + 35.00	34 + 55.00	MED LT	71			
-L-	31 + 35.00	34 + 55.00	MED RT	71			
-L-	31 + 35.00	33 + 44.00	RT	46			
-L-	36 + 20.00	48 + 44.00	LT	282			
-L-	47 + 15.00	50 + 57.00	LT	76			
	50 + 48.00	61 + 25.00	RT	239			
-L-	29 + 90.00	31 + 15.00	CL	847			
-Y6Rev1-	10 + 70.00	12 + 30.00	LT	107			
-Y7Rev-	10 + 50.00	11 + 10.00	LT	40			
-L-	23 + 68.00	29 + 59.00	MED	1127			
-L-	31 + 34.00	34 + 55.00	MED	621			
-L-	37 + 40.00	43 + 86.00	MED	895			
-L-	47 + 12.00	50 + 58.00	MED	667			
-L-	56 + 71.00	58 + 89.00	MED	390			
-L-	50 + 99.00	60 + 50.00	RT	1059			
-L-	36 + 35.00	49 + 00.00	LT	776			
			TOTAL	7,685			
			SAY	7,700			

NOTE: Earthwork quantities are calculated by JMT. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.

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."

SUMMARY OF EARTHWORK

IN CUBIC YARDS

STATION	STATION	UNCL. EXCAV.	EMBANK. + %	BORROW	WASTE
12 + 00.00	29 + 92.14 -L-	291	4,689	4,398	
31 + 12.05	42 + 00.00 -L-	282	3,207	2,925	
11 + 40.00	12 + 36.90 -Y2-	1	12	11	
10 + 25.23	11 + 00.00 -Y3-	7	76	69	
12 + 40.00	13 + 21.61 -Y4-	11	44	33	
10 + 24.75	11 + 30.00 -Y5-	2	68	66	
10 + 30.00	11 + 99.20 -Y6Rev1-	11	318	307	
10 + 00.00	12 + 63.89 -RAB-	51	1,090	1,039	
10 + 60.00	12 + 00.00 -Y7Rev-	17	28	11	
10 + 24.87	11 + 50.00 -Y8-	2	33	31	
SUBTOTAL		675	9,564	8,889	
42 + 00.00	61 + 25.00 -L-	798	6,384	5,586	
10 + 24.86	12 + 15.00 -Y9-	64	811	747	
10 + 24.84	11 + 00.00 -Y10-	10	7		3
10 + 10.00	12 + 08.00 -Y11-	124			124
SUBTOTAL		996	7,201	6,332	127
TOTAL		1,671	16,765	15,221	127
LOSS DUE TO CLEARING AND GRUBBING		-225		225	
WASTE IN LIEU OF BORROW				-127	-127
PROJECT TOTAL		1,446	16,765	15,319	
EST. 5% TO REPLACE SOIL IN BORROW PIT				766	
GRAND TOTAL		1,446		16,085	
SAY:		1,500		16,200	

DRAINAGE DITCH EXCAVATION: 20 CY
UNDERCUT EXCAVATION: 1000 CY (CONTINGENCY)
SELECT GRANULAR MATERIAL: 1000 CY (CONTINGENCY)
GEOTEXTILE FOR SOIL STABILIZATION: 2500 SY (CONTINGENCY)
UNCLASSIFIED EXCAVATION- ACCEPTABLE, BUT NOT TO BE PLACED IN THE TOP 3' OF EMBANKMENT OR BACKFILL: 400 CY
-L- Sta. 31+75.00 to 33+75.00 RT
-L- Sta. 56+25.00 to 58+25.00 LT
-L- Sta. 58+75.00 to 61+20.00 LT & RT

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

SURVEY LINE	BEG. STA.	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS										IMPACT ATTENUATOR TYPE 350								REMARKS			
				STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GREU TL-3	Type III	CAT-1																	PERMITTED		
																																		NO.	G	NG
-L-	40 + 62.00	43 + 87.00	RT	325'			41 + 50		15'	15' Berm					1		1															PLACE GUARDRAIL 13' FROM FACE OF CURB				
		TOTAL		325'											1		1																			
		(DEDUCTION FOR ANCHORS)																																		
		1 - GREU TYPE TL-3 @ 50'		-50.0'																																
		1 - CAT-1 @ 6.25'		-6.25'																																
		PROJECT TOTAL		268.75'											1		1																			
		SAY		275'			ADDITIONAL GUARDRAIL POSTS 5 EA																													

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