SUMMARY OF EARTHWORK

IN CUBIC YARDS

		CCDIC 11							
STATION	STATION	UNCL. EXCAV.	EMBANK. +%	BORROW	WASTE				
10+17.43	12 + 11.55	123	362	239					
10 + 66.00 LT	CULVERT INLET	96			96				
10+66.00 RT	CULVERT OUTLET	100	100						
10 + 45.00 RT	10 + 80.00 RT	49	49 81 81						
(CHANNEL	IMPROVEMENT)								
SUBT	OTALS:	368	443	320	245				
PROJECT	TOTALS:	368	443	320	245				
EST 5% TO REPL TO	DPSOIL ON BORR PIT			16					
GRAND	TOTALS:	368	443	336	245				
SA	AY:	400		375					

SELECT GRANULAR MATERIAL = 100 CY GEOTEXTILE FOR SOIL STABILIZATION = 150 SY UNDERCUT = 100 CY

NOTE:

APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

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.

PAVEMENT REMOVAL SUMMARY

SURVEY LINE	STATION	STATION	LOCATION LT/RT/CL	YD ²
EL	10 + 18	10 + 56	CL	291.37
EL	10 + 82	11 + 18	CL	71.86
EL	11 + 71	12 + 17	CL	158.67
EL	12 + 41	12 + 53	CL	54.29
EL	12 + 77	13 + 12	CL	15.35
			TOTAL:	591.53
			SAY:	600

NOTE:
APPROXIMATE QUANTITIES ONLY. UNCLASSIFIED EXCAVATION, BORROW, FINE GRADING, CLEARING AND GRUBBING, AND REMOVAL OF EXISTING PAVEMENT WILL BE PAID FOR AT THE LUMP SUM PRICE FOR "GRADING".

PIPE REMOVAL SUMMARY

SURVEY LINE	STATION	24" RCP	24" CMP								
L	10 + 62.77 RT.	10′									
L	10 + 62.77 RT.		10′								
TOTAL PIPE REMOVAL: 20'											

"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

GUARDRAIL SUMMARY

NG =	NON-GATING IMPACT	ATTENUATOR TYPE 35	50								0011														
SURVEY					LENGTH		WARRA	ANT POINT	"N" DIST.	TOTAL	FLARE I	LENGTH		W				ANC	CHORS (EA.)		IMPACT ATTENUATO	R SINGLE	REMOVE	REMOVE AND	
LINE	BEG. STA.	END STA.	LOCATION	STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END	FROM E.O.L.	SHOUL. WIDTH	APPROACH END	TRAILING END	APPROACH END	TRAILING END	XI MOD	XI	GRAU 350 TL–3	GRAU 350 TL–2	XIII CAT-1	VI BIC	AT-1 EA G N		REMOVE EXISTING GUARDRAIL	STOCKPILE EXISTING GUARDRAIL	REMARKS
-L-	10+00.32	11+09.00	RT	100′	54'		10 + 56.00	10 + 76.00	4'	7′	50′		1′				1	1							
-L-	10 + 30.15	11 + 25.00	LT	100′	48′		10 + 76.00	10 + 56.00	4'	7′		50′		1′			1	1							
	•	•	TOTAL	200′	102′												2	2							
DEDUCTIO	NS: GRAU 350 TL-3 - 2	2 @ 50' = 100'	LESS ANCHORS:	150′											1										
	GRAU 350 TL-2 - 2	2 @ 25' = 50'	TOTAL	50′																					
		TOTAL = 150'		1									1												
		5 ADDITIO	ONAL GUARDRAIL POST																						
		SAY	50′	112.5′												2	2								