

6/16/99

COMPUTED BY: YTN DATE: 2/20/04  
 CHECKED BY: SRW DATE: 2/20/04

PROJECT REFERENCE NO. SHEET NO.  
 I-4025A 3-A

"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 & CABLE GUIDERAIL SUMMARY

SURVEY LINE	BEG. STA.	SURVEY LINE	END STA.	LOCATION	LENGTH			WARRANT POINT		"N" DIST. FROM E.O.L.	TOTAL SHOULDER WIDTH	FLARE LENGTH		W		ANCHORS						IMPACT ATTENUATOR TYPE 350			DOUBLE FACED CABLE GUIDERAIL	CABLE GUIDERAIL ANCHOR UNITS	REMOVE EXISTING GUARDRAIL	REMARKS			
					STRAIGHT	SHOP CURVED	DOUBLE FACED	APPROACH END	TRAILING END			APPROACH END	TRAILING END	APPROACH END	TRAILING END	GRAU 350	CAT-1	M-350	TYPE III	WBEAM	EA	G	NG								
-L-	19+40.5	-L-	25+03	LT	562.5			BRIDGE	19+50	14	17							1		1										614	
-L-	23+28	-L-	25+03	RT	175			BRIDGE		14	17									1		1								145	
-L-	32+87	-L-	36+00	LT	312.5				BRIDGE	14	17	50		5.6								1								256	
-L-	32+87	-L-	35+12	RT	225				BRIDGE	14	17	37.5		14.4																179	
-L-	25+20			RT																											
-L-	32+80			RT																											
SUB-TOTAL					1275																										
					(10 ADDITIONAL GUARDRAIL POSTS)																										
					ANCHOR DEDUCTIONS																										
							- 206.25																								
TOTAL					1068.75																										
SAY					1075.0																										

GUARDRAIL ANCHOR DEDUCTIONS	
GRAU-350 1@50	= 50
M-350 2@37.5	= 75
CAT-1 1@6.25	= 6.25
TYPE-III 4@18.75	= 75
<b>TOTAL</b>	<b>=206.25</b>

## SUMMARY OF PAVEMENT REMOVAL /BREAKING

SURVEY LINE	STATION TO STATION	LOCATION	ASPHALT REMOVAL (SY)	ASPHALT BREAKING (SY)	CONCRETE REMOVAL (SY)	CONCRETE BREAKING (SY)
-SBL-	10+41.01 - 25+21.69	LT/RT	1536.60		1534.04	
-SBL-	33+09.92 - 45+74.76	LT/RT	1329.07		1281.31	
-SBL-	8+90.00 - 15+04.00	RT	191.91			
-SBL-	32+91.07 - 36+00.00	RT	108.98			
-SBL-	43+19.43 - 48+15.00	RT	167.76			
GRAND TOTAL			3334.32		2815.35	
SAY			3350		2850	

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

## SUMMARY OF EARTHWORK IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT+%	BORROW	WASTE
-SBL- 10+41.33 TO 25+15.00	13703		13032		671
-SBL- 32+75.00 TO 45+75.00	26064		134		25930
<b>PROJECT SUB-TOTAL</b>					
	39767		13166		26601
<b>LOSS DUE TO CLEARING &amp; GRUBBING</b>					
	-2500				-2500
<b>PROJECT TOTAL</b>					
	37267		13166		24101
<b>SAY</b>					
	37300				
<b>ESTIMATED SHOULDER BORROW</b>					
	1500				
<b>UNDERCUT (CONTINGENCY)</b>					
	1000				

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

## PARCEL INDEX SHEET

PARCEL NO.	SHEET NO.	PROPERTY OWNERS NAME
1	4 & 5	Barbara Mayberry
2	5 & 6	William T. Marsh
3	6	HUDES Inc.

08/24/2004 P:\Roadway\Proj\14025e\_3series.dgn