

# SUMMARY OF QUANTITIES

# VOID

<b>GRADING COMPLETE</b>
M004780 TOTAL LUMP SUM

<b>TRAFFIC CONTROL</b>
M004780 TOTAL LUMP SUM

<b>TRAFFIC CONTROL-WORKZONE LAW ENFORCEMENT</b>
TOTAL (HR) 720

DRAINAGE SUMMARY *															
STRUCTURE NUMBER	LOCATION	18" STORM DRAIN PIPE			36" STORM DRAIN PIPE			DROP INLET GA. STD. 500MM	ADD'L DEPTH	DROP INLET GA. DETAIL D-33	ADD'L DEPTH	MANHOLE GA. STD. 101A	ADD'L DEPTH	GA. STD. 1025	COMMENTS
		H= 1'-10"	H= 20'-25"	H= 1'-10"	H= 10'-15"	H= 20'-25"	H= 25'-30"								
		LF	LF	LF	LF	LF	LF								
A-1	247+81.38 RT			50				1	0.7						
A-2	248+31.88 RT			50				1	0.8						REMOVE EXIST & CONSTRUCT NEW
A-3	248+81.38 RT			119				1	1.7						
A-4	250+00.00 RT				75			1	2.9						REMOVE EXIST & CONSTRUCT NEW
A-5	250+00.00, 78'± RT					445						1	5.2		STORM SEW MANHOLE TP 1, CL 2
A-5A	250+00.00, 85'± RT	5								1					
A-6	254+45.00, 85'± RT						10			1	18.2				REMOVE EXIST & CONSTRUCT NEW
A-7	254+56.67, 85'± RT		12							1	11.6				RECONSTRUCT TO DRAIN TO A-6
A-8	254+56.67, 95'± RT						47					1	19.6		STORM SEW MANHOLE TP 1, CL 3
A-9	254+56.67, 95'± RT												1		
B-1	251+50.00 RT							1	6.6						CONNECT TO EXIST 18" PIPE
B-2	253+00.00 RT							1	11.8						CONNECT TO EXIST 18" PIPE
C-1	248+31.00, 81'± LT							1	2.3						CONNECT TO EXIST 24" PIPE
C-2	250+00.00, 82'± LT							1	3.6						CONNECT TO EXIST 24" PIPE
TOTAL		5	12	219	75	445	57	8	30.4	3	29.8	2	24.8	1	

\* ALL STORM DRAIN PIPES SHALL BE CONCRETE

TEMPORARY EROSION CONTROL		
ITEM	UNIT	QUANTITY
MULCH	TN	7
TEMPORARY GRASSING	AC	0.15
CONSTRUCTION EXIT	EA	2
MAINTENANCE OF CONSTRUCTION EXIT	EA	2
CONST. & REMOVE TEMP. SEDIMENT BARRIER-HAY BALES *	LF	100
MAINTENANCE OF SEDIMENT BARRIER-HAY BALES *	LF	50
CONST. & REMOVE ROCK FILTER DAMS	EA	2
MAINTENANCE OF ROCK FILTER DAMS	EA	2
CONST. & REMOVE INLET SEDIMENT TRAPS	EA	15
MAINTENANCE OF INLET SEDIMENT TRAPS	EA	15
TEMPORARY SILT FENCE, TYPE-C	LF	1100
MAINT. OF TEMP. SILT FENCE, TYPE-C	LF	550
ORANGE BARRIER FENCE, 4-FT	LF	436

\* AS DIRECTED BY THE ENGINEER

PERMANENT EROSION CONTROL		
ITEM	UNIT	QUANTITY
PERMANENT GRASSING	AC	0.30
AGRICULTURAL LIME	TN	1
FERTILIZER MIXED GRADE	TN	0.25
FERTILIZER NITROGEN CONTENT	LB	15
EROSION CONTROL MATS, SLOPES	SY	282
STANDARD DUMPED RIP-RAP, TYPE-1, 36-1W	SY	209
PLASTIC FILTER FABRIC	SY	209

<b>CLASS 'A' CONCRETE, INCL REINFORCED STEEL</b>	
LOCATION	CY
DRAINAGE STRUCTURE A-9	3.05

ROADWAY QUANTITIES				
ITEMS	UNIT	QUANTITY	AS DIRECTED BY ENGINEER	TOTAL
WILL ASPHALT PVMT, VARB DEPTH	SY	3424		3424
ASPHALTIC CONCRETE 12.5mm. PEW. GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	TN	136		136
RECYCLED ASPHALTIC CONCRETE, 12.5mm. SMA, GP 2 ONLY, INCL POLYMER-MODIFIED BITUM MATL & H LIME	TN	210		210
RECYCLED ASPHALTIC CONCRETE, 12.5mm. SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	127		127
RECYCLED ASPHALTIC CONCRETE, 19mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	191		191
RECYCLED ASPHALTIC CONCRETE, 25mm SUPERPAVE, GP 1 OR 2, INCL BITUM MATL & H LIME	TN	191		191
BITUMINOUS TACK COAT	GAL	490		490
GRADED AGGREGATE BASE, INCL. MATERIAL	TN	431	114	545
HIGH STRENGTH PVMT REINF FABRIC-181n	LF	969		969
GROUND IN PLACE RUMBLE STRIPS (CONTINUOUS)	GLW	0.21		0.21
CLASS-B CONCRETE BASE OR PVMT WIDEN	CY	10	10	20
REMOVE CONCRETE BARRIER	LF		30	30
CONCRETE BARRIER, TYPE 21	LF		30	30
CONCRETE V-GUTTER	LF	474		474
THERMOPLASTIC PVMT MARKING, SYMBOL TYPE-1	EA	2		2
SOLID POLYUREA TRAFFIC STRIPE, 5-IN, WHITE	LF	2971		2971
SOLID POLYUREA TRAFFIC STRIPE, 5-IN, YELLOW	LF	794		794
SKIP POLYUREA TRAFFIC STRIPE, 5-IN, WHITE	GLF	200		200
RAISED PVMT MARKERS TYPE-3	EA	78		78
ASPHALT-RUBBER JOINT & CRACK SEAL, TYPE M	LF	200		200

GUARDRAIL REMOVAL					ANCHORAGE	
LOCATION	SIDE	W-BEAM LF	T-BEAM LF	TP 6	EA	EA
STA 249+50.00 TO STA 254+73.57	RT	421.85	101.72			2
TOTAL		421.85	101.72			2

GUARDRAIL QUANTITIES					ANCHORAGE	
LOCATION	SIDE	W-BEAM LF	T-BEAM LF	TP 6	EA	EA
STA 249+50.00 TO STA 254+73.57	RT	421.85	101.72			2
TOTAL		421.85	101.72			2

GA. STD. 4380 GA. STD. 4381  
 GA. STD. 4382 GA. STD. 4385

NOTE: THE ACTUAL BEGINNING AND ENDING OF GUARDRAIL MAY BE ADJUSTED TO MEET FIELD CONDITION AS DIRECTED BY THE ENGINEER.

<b>CHANGEABLE MESSAGE SIGN, PORTABLE, TYPE 3</b>
TOTAL (EA) 2

<b>PORTABLE IMPACT ATTENUATOR</b>
TOTAL (EA) 3
* TO BE USED AS DIRECTED BY ENGINEER

<b>TEMPORARY CONCRETE BARRIER</b>
TOTAL (LF) 855
* TO BE USED AS SHOWN ON PLANS OR AS DIRECTED BY ENGINEER