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SHEET NUM.			PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
3	8	18	02/STR/B R						
								<i>ROADWAY</i>	
LS	857		LS	201	11000	LS		CLEARING AND GRUBBING	
	603		857	202	23000	857	SY	PAVEMENT REMOVED	
	4		603	202	38000	603	FT	GUARDRAIL REMOVED	
	66		4	202	42000	4	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A	
			66	203	10000	66	CY	EXCAVATION	
	564		564	203	20000	564	CY	EMBANKMENT	
	997		997	204	10000	997	SY	SUBGRADE COMPACTION	
	125		125	606	15051	125	FT	GUARDRAIL, TYPE MGS, AS PER PLAN	3
	213		213	606	15101	213	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS, AS PER PLAN	3
	3		3	606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	
	1		1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
	4		4	606	35003	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, AS PER PLAN	3
	1		1	SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	9
								<i>EROSION CONTROL</i>	
	986		986	659	10000	986	SY	SEEDING AND MULCHING	
	0.13		0.13	659	20000	0.13	TON	COMMERCIAL FERTILIZER	
	5		5	659	35000	5	MGAL	WATER	
	10,000		10,000	832	30000	10,000	EACH	EROSION CONTROL	
								<i>DRAINAGE</i>	
	66		66	605	31100	66	FT	AGGREGATE DRAINS	
								<i>PAVEMENT</i>	
	160		160	301	46000	160	CY	ASPHALT CONCRETE BASE, PG64-22	
	236		236	304	20000	236	CY	AGGREGATE BASE	
	124		124	407	10000	124	GAL	TACK COAT	
	31		31	441	50000	31	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
	36		36	441	50300	36	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
								<i>TRAFFIC CONTROL</i>	
	4		4	620	00500	4	EACH	DELINEATOR, POST GROUND MOUNTED	
	4		4	621	00100	4	EACH	RPM	
	5		5	621	54000	5	EACH	RAISED PAVEMENT MARKER REMOVED	
	12		12	626	00110	12	EACH	BARRIER REFLECTOR, TYPE 2, (BI-DIRECTIONAL)	
	3		3	630	85100	3	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
	3		3	630	86010	3	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	
	0.1		0.1	642	00104	0.1	MILE	EDGE LINE, 6", TYPE 1	
	0.05		0.05	642	00300	0.05	MILE	CENTER LINE, TYPE 1	

GENERAL SUMMARY

VAN-127-17.23

CALCULATED
MAL
CHECKED
TAB

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DESCRIPTION	STATION		LENGTH FT	WIDTH FT	SURFACE AREA SY	ROADWAY		PAVEMENT									
	FROM	TO				202	204	301		304		407	441				
						PAVEMENT REMOVED SY	SUBGRADE COMPACTION SY	ASPHALT CONCRETE BASE, PG64-22 (T=7") CY	ASPHALT CONCRETE BASE, PG64-22 (VARIABLE THICKNESS 7" TO 9.75" SEE AS-2-15) CY	8" AGGREGATE BASE CY	6" AGGREGATE BASE CY	TACK COAT GAL	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 (T=1.5") CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448), PG64-22 (T=1.75") CY			
REAR APPROACH SHOULDER & GR ONLY	903+25 LT / 903+75 RT	904+25.00	VARIES	EX. SHOULDER TO 22' LT & RT	66 SY LT & 28 SY RT												
REAR APPROACH PAVEMENT	904+25.00	904+86.91	61.9	VARIES	244.5	215.9	260.5	49.1		13.0	43.4	40.3	10.2	11.9			
REAR AS-2-15 FULL DEPTH SECTION	904+86.91	905+11.91	25.0	VARIES	116.6	99.1	123.1		28.1	1.2	20.5	19.2	4.9	5.7			
REAR APPROACH SLAB SECTION	905+11.91	905+31.91	20.0	44.0	98.0	100.5	100.3				16.7						
FWD. APPROACH SLAB SECTION	905+60.21	905+80.21	20.0	44.0	97.8	100.3	100.0				16.7						
FWD. AS-2-15 FULL DEPTH SECTION	905+80.21	906+05.21	25.0	VARIES	116.9	101.3	123.4		28.2	1.2	20.6	19.3	4.9	5.7			
FWD. APPROACH PAVEMENT	906+05.21	906+75.00	69.8	VARIES	271.4	239.4	289.5	54.5		15.6	48.2	44.8	11.3	13.2			
FWD. APPROACH SHOULDER & GR ONLY	906+75.00	907+09 LT / 907+50 RT	VARIES	EX. SHOULDER TO 22' LT & RT	37 SY LT & 48 SY RT					18.8							
TOTALS CARRIED TO GENERAL SUMMARY						857	997	160		236	124	31	36				

GUARDRAIL - GR				202		606						620	626
SHEET NO.	REFERENCE NO.	SIDE	STATION		GUARDRAIL REMOVED	ANCHOR ASSEMBLY REMOVED TYPE A	GUARDRAIL, TYPE MGS, APP	GUARDRAIL, TYPE MGS WITH LONG POSTS, APP	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1, APP	DELINEATOR, POST GROUND MOUNTED (TYPE C)	BARRIER REFLECTOR, TYPE 2 (BI-DIRECTIONAL)
			FROM	TO	FT	EACH							
9	GR-1	RT	904+02.80	905+43.47	153.0	1	50	12.5	1	1	1	1	3
9	GR-2	LT	903+45.16	904+98.32	148.0	1		75	1	1	1	1	3
9	GR-3	RT	905+74.80	907+27.97	148.0	1	75		1	1	1	1	3
9	GR-4	LT	905+48.57	907+04.23	154.0	1		125		1	1	1	3
TOTALS CARRIED TO GENERAL SUMMARY					603	4	125	213	3	1	4	4	12

EARTHWORK & SEEDING			
SHEET	203		659
	EXCAVATION	EMBANKMENT	SEEDING AND MULCHING
NO.	CY	CY	SY
10	4.1	60.9	125.0
11	16.2	174.7	333.2
12	13.0	49.7	180.5
13	24.4	193.6	243.2
14	8.2	84.7	104.2
TO GENERAL SUMMARY	66	564	986

SEEDING & MULCHING CALCULATIONS			
659	SEEDING AND MULCHING	=	986 SY
659	COMMERCIAL FERTILIZER (986)(9)(1/1000)(30)(1/2000)	=	0.13 TON
659	WATER (2)(986)(9)(1/1000)(300)(1/1000)	=	5 M GAL
QUANTITIES CARRIED TO GENERAL SUMMARY			

PAVEMENT MARKING & SIGN		621		630		642		690	
STATION	FROM	TO	RPM - 2-WAY Y/Y*	RAISED PAVEMENT MARKER REMOVED	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	REMOVAL OF GROUND MOUNTED POST SUPPORT AND REERECTION	EDGE LINE, 6", TYPE 1	CENTER LINE, TYPE 1**	MAILBOX REMOVED AND RESET
			EACH	EACH	EACH	EACH	MILE	MILE	EACH
905+20.75	905+20.75				1	1			
905+31.3	905+31.3				1	1			
905+72.71	905+72.71				1	1			
904+25 LT	906+75 LT						0.05		
904+25 L	906+75 L		4	5				0.05	
904+25 RT	906+75 RT						0.05		
903+48 LT	903+48 LT								1
TO GENERAL SUMMARY			4	5	3	3	0.10	0.05	1

* - NOTE: NO RPM ON BRIDGE LIMITS OR APPROACH SLABS
 ** - NOTE: MATCH EXISTING CENTERLINE MARKINGS

AGGREGATE DRAINS			605
SIDE	STATION	FT	AGGREGATE DRAINS
LT.	904+25.00	11	
RT.	904+50.00	11	
LT.	904+75.00	5	
RT.	905+00.00	8	
LT.	906+00.00	5	
RT.	906+25.00	7	
LT.	906+50.00	8	
RT.	906+75.00	11	
TO GENERAL SUMMARY			66