

O:\2022\2022008\16 Frost_Road_Phase 2 AMATS Resurfacing\400-Engineering\Roadway\Sheets\202200816_GG01.dwg 12-Dec-23 1:49 PM

SHEET NUMBER											PARTICIPATION	ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	R.D.W.	CHECKED	M.D.C.
4	5	6	7	9	16	17					01/MPO/05/STRE										
ROADWAY																					
LS											LS	201	11000	LS		CLEARING AND GRUBBING					
2											2	202	23500	2	SY	WEARING COURSE REMOVED					
116											116	203	10000	116	CY	EXCAVATION (FOR PAVEMENT REPAIR)	4				
98											98	209	60200	98	STA	LINEAR GRADING					
											88	209	72000	88	STA	PREPARING SUBGRADE FOR SHOULDER PAVING					
	LS										LS	SPECIAL	69098400	LS		PRECONSTRUCTION VIDEO RECORDING					
EROSION CONTROL																					
1766											1766	659	10000	1766	SY	SEEDING AND MULCHING					
0.24											0.24	659	20000	0.24	TON	COMMERCIAL FERTILIZER					
0.37											0.37	659	31000	0.37	ACRES	LIME					
10											10	659	35000	10	M GAL	WATER					
5000											5000	832	30000	5000	EACH	EROSION CONTROL					
PAVEMENT																					
	415										415	251	01000	415	SY	PARTIAL DEPTH PAVEMENT REPAIR					
	691										691	253	01000	691	SY	PAVEMENT REPAIR					
					13817			165			13982	254	01000	13982	SY	PAVEMENT PLANNING, ASPHALT CONCRETE (T=3")					
116											116	304	20000	116	CY	AGGREGATE BASE (FOR PAVEMENT REPAIR)	4				
											1936	407	20000	1936	GAL	NON-TRACKING TACK COAT					
											776	408	10001	776	GAL	PRIME COAT, AS PER PLAN	5				
	6										480	441	70000	514	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, AS PER PLAN	5				
											672	441	70300	672	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)					
											162	617	10100	162	CY	COMPACTED AGGREGATE (T=3")					
TRAFFIC CONTROL																					
											1.88	644	00100	1.88	MILE	EDGE LINE, 4"					
											1.04	644	00300	1.04	MILE	CENTER LINE					
											47	644	00400	47	FT	CHANNELIZING LANE, 8"					
											13	644	00500	13	FT	STOP LINE					
											260	644	00700	260	FT	TRANSVERSE / DIAGONAL LINE					
											60	644	00900	60	SF	ISLAND MARKING					
											2	644	01300	2	EACH	LANE ARROW					
MAINTENANCE OF TRAFFIC																					
											40	614	1110	40	HR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE					
											6	614	12460	6	EA	WORK ZONE MARKING SIGN					
											20	614	13000	20	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC					
		2.08									2	614	18601	2	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	7				
											2.08	614	21000	2.08	MILE	WORK ZONE CENTER LINE, CLASS I					
		1.04									1.04	614	21550	1.04	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT					
		94									94	614	23000	94	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8"					
		47									47	614	23680	47	FT	WORK ZONE CHANNELIZING LINE, CLASS III, 8", 642 PAINT					
		26									26	614	26000	26	FT	WORK ZONE STOP LINE, CLASS I					
		13									13	614	26610	13	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT					
INCIDENTALS																					
											LS	614	11000	LS		MAINTAINING TRAFFIC					
											6	619	16000	6	MNTH	FIELD OFFICE, TYPE A					
											LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING					
											LS	624	10000	LS		MOBILIZATION					

GENERAL SUMMARY

FROST ROAD PHASE 2 RESURFACING

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SHEET NO.	STATION TO STATION		SIDE	LENGTH (L)	AVG. WIDTH (W)	SURFACE AREA (A=LxW)		254		407	407		441	441		408	617	209		
				FT	FT	SF		PAVEMENT PLANNING, ASPHALT CONCRETE (T=3')		NON-TRACKING TACK COAT (0.055 GAL/SY)	NON-TRACKING TACK COAT (0.085 GAL/SY)		1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22, AS PER PLAN	1-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)		PRIME COAT (0.4 GAL/SY), AS PER PLAN	COMPACTED AGGREGATE	PREPARING SUBGRADE FOR SHOULDER PAVING		
							SY		GAL	GAL		CY	CY		GAL	CY	STA			
FROST ROAD																				
10	12+50.00	12+71.55	LT	21.55	21	453	50.29		2.77	4.28		1.75	2.45		1.92	0.40	0.22			
10	12+71.55	13+69.68	LT	98.13	CADD	1620	180.00		9.90	15.30		6.25	8.75		8.73	1.82	0.98			
10	13+69.68	14+00.00	LT	30.32	12	364	40.43		2.23	3.44		1.41	1.97		2.70	0.57	0.30			
10	14+00.00	19+00.00	LT	500.00	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
11	19+00.00	24+00.00	LT	500.00	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
11	24+00.00	29+00.00	LT	500.00	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
12	29+00.00	34+00.00	LT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
12	34+00.00	38+30.00	LT	430	12	5160	573.34		31.54	48.74		19.91	27.88		38.23	7.97	4.30			
12	38+30.00	39+00.00	LT	70	CADD	486	54.00		2.97	4.59		1.88	2.63							
13	39+00.00	44+00.00	LT	500	CADD	7994	888.23		48.86	75.50		30.85	43.18							
13	41+76.90 (HANNUM DR.)	42+89.58 (HANNUM DR.)	LT	112.68	CADD	916	101.78		5.60	8.66		3.54	4.95							
13	44+00.00	45+35.13	LT	135.13	CADD	1822	202.45		11.14	17.21		7.03	9.85							
13	45+35.13	49+00.00	LT	364.87	12	4378	486.50		26.76	41.36		16.90	23.65							
14	49+00.00	54+00.00	LT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
14	54+00.00	59+00.00	LT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
15	59+00.00	61+18.33	LT	218.33	12	2620	291.11		16.02	24.75		10.11	14.16		19.41	4.05	2.18			
15	61+18.33	61+44.87	LT	26.54	CADD	379	42.12		2.32	3.59		1.47	2.05		2.36	0.50	0.27			
10	12+50.00	14+00.00	RT	150	12.5	1875	208.34		11.46	17.71		7.24	10.13		13.34	2.78	1.50			
10	14+00.00	19+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
11	19+00.00	24+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
11	24+00.00	29+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
12	29+00.00	34+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
12	34+00.00	38+59.74	RT	459.74	12	5517	612.99		33.72	52.11		21.29	29.80		40.87	8.52	4.60			
12	38+59.74	39+00.00	RT	40.26	CADD	508	56.45		3.11	4.80		1.97	2.75		3.58	0.75	0.40			
13	39+00.00	41+33.32	RT	233.32	CADD	3755	417.23		22.95	35.47		14.49	20.29		20.74	4.33	2.33			
13	41+33.32	41+76.65	RT	43.33	18	780	86.66		4.77	7.37		3.01	4.22		3.86	0.81	0.43			
13	41+76.65	42+84.45	RT	107.8	17.5	1887	209.62		11.53	17.82		7.28	10.19		9.59	2.00	1.08			
13	42+84.45	44+00.00	RT	115.55	CADD	1886	209.56		11.53	17.82		7.28	10.19		10.28	2.14	1.16			
13	44+00.00	45+35.13	RT	135.13	CADD	1820	202.23		11.13	17.19		7.03	9.84		12.02	2.51	1.35			
13	45+35.13	49+00.00	RT	364.87	12	4378	486.50		26.76	41.36		16.90	23.65		32.44	6.76	3.65			
14	49+00.00	54+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
14	54+00.00	59+00.00	RT	500	12	6000	666.67		36.67	56.67		23.15	32.41		44.45	9.26	5.00			
15	59+00.00	61+18.33	RT	218.33	12	2620	291.11		16.02	24.75		10.11	14.16		19.41	4.05	2.18			
15	61+18.33	61+44.87	RT	26.54	CADD	354	39.34		2.17	3.35		1.37	1.92		2.36	0.50	0.27			
10	12+40.00	12+50.00	LT/RT	10	34	340	37.78		2.08	3.22		1.32	1.84							
15	61+44.87	61+54.87	LT/RT	10	CADD	440	48.89		2.69	4.16		1.70	2.38							

TOTALS CARRIED TO GENERAL SUMMARY

13817 761 1175 480 672 776 162 88

PAVEMENT CALCULATIONS

FROST ROAD PHASE 2 RESURFACING

CALCULATED
ROW
CHECKED
MDC