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NOTE: "ONE CALL" SERVICES DO NOT LOCATE BURIED RAILROAD SIGNAL AND COMMUNICATIONS LINE. THE CONTRACTOR SHALL CONTACT THE RAILROAD'S REPRESENTATIVE TWO (2) DAYS IN ADVANCE OF THOSE PLACES HERE EXCAVATION, PILE DRIVING, OR HEAVY LOADS MAY DAMAGE RAILROAD UNDERGROUND LINES ON RAILROAD PROPERTY. UPON REQUEST FROM THE CONTRACTOR OR AGENCY, RAILROAD SIGNAL FORCES WILL LOCATE AND PAINT MARK OR FLAG RAILROAD UNDERGROUND SIGNAL, COMMUNICATION, AND POWER LINES IN THE AREA TO BE DISTURBED FOR THE CONTRACTOR. THE CONTRACTOR SHALL AVOID EXCAVATION OR OTHER DISTURBANCE OF THESE LINES WHICH ARE CRITICAL TO THE SAFETY OF THE RAILROAD AND THE PUBLIC. IF DISTURBANCE OR EXCAVATION IS REQUIRED NEAR A BURIED RAILROAD SIGNAL, COMMUNICATION, OR POWER LINE, THE LINE SHALL BE POTHOLED MANUALLY WITH CAREFUL HAND EXCAVATION BY THE CONTRACTOR AND PROTECTED BY THE CONTRACTOR DURING THE COURSE OF THE DISTURBANCE UNDER THE SUPERVISION AND DIRECTION OF A RAILROAD SIGNAL REPRESENTATIVE.

FOR PROJECTS EXCEEDING 30 DAYS OF CONSTRUCTION, CONTRACTOR SHALL PROVIDE THE FLAGMAN A SMALL WORK AREA WITH A DESK/COUNTER AND CHAIN WITHIN THE FIELD/SITE TRAILER, INCLUDING THE USE OF BATHROOM FACILITIES, WHERE THE FLAGMAN CAN CHECK IN/OUT WITH THE PROJECT, AS WELL AS TO THE FLAGMAN'S HOME TERMINAL. THE WORK AREA SHOULD PROVIDE ACCESS TO TWO (2) ELECTRICAL OUTLETS FOR RECHARGING RADIO(S), AND A LAPTOP COMPUTER; AND HAVE THE ABILITY TO PRINT OFF NEEDED DOCUMENTATION AND ORDERS AS NEEDED AT THE FIELD/SITE TRAILER. THIS SHOULD AID IN MAXIMIZING THE FLAGMAN'S TIME AND EFFICIENCY ON THE PROJECT.

TOP OF RAIL ELEVATIONS SHALL BE CHECKED AND THE MINIMUM VERTICAL CLEARANCE VERIFIED BEFORE START OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE NORFOLK SOUTHERN ENGINEER PUBLIC IMPROVEMENTS.

NORFOLK SOUTHERN WILL BE PROVIDED AS-BUILT DRAWINGS OF THE BRIDGES SHOWING THE ACTUAL CLEARANCES AS CONSTRUCTED. DEPTH, SIZE, AND LOCATION OF ALL FOUNDATION COMPONENTS SHALL BE SHOWN ON THE DRAWINGS.

THIS PROPOSED PROJECT WILL NOT CHANGE THE QUANTITY AND/OR CHARACTER OF FLOW OF DRAINAGE ON THE RAILROAD'S RIGHT OF WAY OR IN THE DITCHES OR DRAINAGE STRUCTURES.

BENCHING OF FOUNDATION SLOPES

ALTHOUGH CROSS-SECTIONS INDICATE SPECIFIC DIMENSIONS FOR PROPOSED BENCHING OF THE EMBANKMENT FOUNDATIONS IN CERTAIN AREAS, NO WAIVER OF THE SPECIFICATIONS IS INTENDED. BENCH ALL OTHER SLOPED EMBANKMENT AREAS AS SET FORTH IN 203.05. NO ADDITIONAL PAYMENT WILL BE MADE FOR BENCHING REQUIRED UNDER THE PROVISIONS OF 203.05.

EARLY RAILROAD COORDINATION

THE CONTRACTOR IS TO BEGIN RAILROAD COORDINATION WITHIN 30 DAYS OF THE AWARD OF THE CONTRACT TO INITIATE SCHEDULING OF THE RAILROAD FLAGGERS REQUIRED TO THE TIMING OF THE BRIDGE WORK

INTERIM COMPLETION DATE

THE CONTRACTOR SHALL HAVE AN INTERIM COMPLETION DATE OF 10/1/20 FOR ALL WORK IDENTIFIED BELOW:

ALL WORK AT THE BRIDGE MAR-23-14.94 THAT RESTRICTS TWO LANES OF TRAFFIC

OCTOBER 1, 2020 SHALL BE CONSIDERED TO CONSTITUTE AN INTERIM COMPLETION DATE AND DISINCENTIVES WILL BE ASSESSED IN THE AMOUNT OF \$600 PER DAY FOR EACH DAY THAT THE ABOVE DESCRIBED WORK IS NOT COMPLETED. EXTENSIONS TO THIS INTERIM COMPLETION DATE FOR WEATHER OR SEASONAL CONDITIONS SHALL BE SUBJECT TO SECTION 108.06C OF THE CMS. FOR EXAMPLE, IF THE NUMBER OF LOST WORKDAYS EXCEEDS 5 DAYS IN THE MONTH OF SEPTEMBER, THE INTERIM COMPLETION DATE WOULD BE EXTENDED FOR EACH DAY BEYOND 5 FOR THAT MONTH.

DESCRIPTION OR LOCATION OF CRITICAL WORK	LOCATION COMPLETION TIME CRITICAL DATE PERIOD		DISINCENTIVE \$ PER TIME PERIOD	INCENTIVE \$ PER TIME PERIOD	MAXIMUM INCENTIVE \$		
WORK AT MAR-23-14.94	10/1/20	DAY	\$ 600	N/A	N/A		

WINDOW CONTRACT TABLE

	DESCRIPTION OF CRITICAL WORK	CALENDAR DAYS TO COMPLETION	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD
•	OVERLAY DECK AND APPROACH SLABS WITH SDC, REPLACE AND SEAL PARAPETS, REPLACE EXPANSION JOINTS, REMOVE LOOSE UNSOUND CONCRETE FROM UNDERSIDE OF DECK, AND PATCH DECK EDGES AT BRIDGES MAR-23-11.50 L/R	60	DAY	\$ 600
	OVERLAY DECK AND APPROACH SLABS WITH SDC, PATCH AND SEAL PARAPETS, REPLACE STRIP SEALS, AND INSTALL VANDAL PROTECTION AT BRIDGE MAR-231-0342	30	DAY	\$ 600

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			SHEET NUM.	PA		ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET
31	36	57 62		01/NHS/ BR	02/NHS/ BR	11211	EXT	TOTAL	01111	DESCRIPTION	NO.
				1.0		224	14000			ROADWAY	
	1.494			LS 412	1,082	201	11000 23000	LS 1,494	SY	CLEARING AND GRUBBING PAVEMENT REMOVED, (FULL-DEPTH)	
	.,	12,322		6,406	5,916	202	38000	12,322		GUARDRAIL REMOVED	
		6		5	1	202	42000	6		ANCHOR ASSEMBLY REMOVED, TYPE A	
		16		10	6	202	47000	16	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED	
							.=				
		4		2	2	202	47800	4		IMPACT ATTENUATOR REMOVED	
		64		65	7,267	202 203	75000 10000	7,332		FENCE REMOVED EXCAVATION	55
				97	2,346	203	20000	2,443		EMBANKMENT	55
	1,998			417	1,581	204	10000	1,998		SUBGRADE COMPACTION	- 00
				1 1	1	204	45000	2		PROOF ROLLING	
		2.46		1.28	1.18	209	60500	2.46		LINEAR GRADING	
	368	102		112	102 256	601 605	21060 31100	102 368		TIED CONCRETE BLOCK MAT, TYPE 2 AGGREGATE DRAINS	
	300	679		679	230	606	15050	679		GUARDRAIL, TYPE MGS	
		0.0		0.0			10000	1 0.0			
		11,628		5,611	6,017	606	15100	11,628		GUARDRAIL, TYPE MGS WITH LONG POSTS	
		85			85	606	15550	85		GUARDRAIL, BARRIER DESIGN, TYPE MGS	
		6		4	2	606	26100	6		ANCHOR ASSEMBLY, TYPE E	
		6 12		4 8	2	606 606	26500 35002	6 12		ANCHOR ASSEMBLY, TYPE T MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
		12			-	000	33002	12	EACH	WIGS BRIDGE TERMINAL ASSEMBLT, TIFE T	
		4		2	2	606	35102	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	
		4		2	2	606	60012	4		IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)	
		64			64	607	15100	64		FENCE, TYPE 47RA	
		48			48	609	24510	48		CURB, TYPE 4-C	
		6		4	2	620	00500	6	EACH	DELINEATOR, POST GROUND MOUNTED	
		131		63	68	626	00102	131	EACH	BARRIER REFLECTOR, TYPE 1 ONE WAY)	
		101		03	- 00	020	00102	131	LAOIT	DANNER NET LEGION, THE HONE WAT	
										EROSION CONTROL	
				673	718	659	00300	1,391	CY	TOPSOIL	
				4,922	9,741	659	10000	14,663		SEEDING AND MULCHING	3
				0.85	0.85	659	20000	1.7		COMMERCIAL FERTILIZER	
				1.3	1.3 0.08	659 659	31000 35000	2.6 0.15		LIME WATER	
				0.08	0.00	039	33000	0.13	IVIGAL	WATER	
				4,922	9,741	670	00500	14,663	SY	SLOPE EROSION PROTECTION	
				3,000	2,000	832	30000	5,000	EACH	EROSION CONTROL	
	1.000				4.000	054	04000	4 000	0)/	PAVEMENT PLANING ASSUMED ASSUM	
	1,638 74			630	1,008 74	254 254	01000 01000	1,638 74		PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" DEPTH PAVEMENT PLANING, ASPHALT CONCRETE, 3.0" DEPTH	
	521				521	301	46000	521		ASPHALT CONCRETE BASE, PG64-22, 9.0" DEPTH	
	366			82	284	304	20000	366		AGGREGATE BASE, 6.0" DEPTH	
	360			106	254	407	10000	360		TACK COAT	
	71			28	43	442	20000	71		ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), 1.5" DEPTH	
	130			40	130	442	20000	130		ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), 3.0" DEPTH	
+	124			40	84	617	10100	124	CY	COMPACTED AGGREGATE, TYPE A	
	+									STRUCTURE OVER 20 FOOT SPAN (5100844)	
				X						FOR STRUCTURE MAR-23-1150 L GENERAL SUMMARY	65
										STRUCTURE OVER 20 FOOT SPAN (5100879)	
\perp				X						FOR STRUCTURE MAR-23-1150 R GENERAL SUMMARY	78
										STRUCTURE OVER 20 FOOT SPAN (5100968)	
\dashv					X					FOR STRUCTURE MAR-23-1494 L GENERAL SUMMARY	91
	+									- 22	01
										STRUCTURE OVER 20 FOOT SPAN (5100992)	
					Х					FOR STRUCTURE MAR-23-1494 R GENERAL SUMMARY	110
										OTPLICTURE OVER 00 FOOT OR VI (TARRATE)	
										STRUCTURE OVER 20 FOOT SPAN (5103215)	407
	+			X						FOR STRUCTURE MAR-231-0342 GENERAL SUMMARY	127
	+									MAINTENANCE OF TRAFFIC	
				2,640	1,600	614	11630	4,240	FT	INCREASED BARRIER DELINEATION	

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			SHEET NUM.		PAF	RT.	TT 4	ITEM	GRAND	11817-	DECORPTION	SEE
31 36 57 62		62			01/NHS/	02/NHS/	ITEM	EXT	TOTAL	UNIT	DESCRIPTION	SHEET NO.
0					BR 8	BR 2	614	12336	10	EACH	WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL)	
1					0	4	614	12338	4		WORK ZONE IMPACT ATTENUATOR (UNIDIRECTIONAL) WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL)	
						36	614	13310	36	FACH	BARRIER REFLECTOR, TYPE 1(ONE WAY)	
						- 50	014	13310	30	LAOIT	BARRIER RELOTOR, THE ILONE WAT	
					2	2	614	12500	4	EACH	REPLACEMENT SIGN	6
					8	7	614	12600	15	EACH	REPLACEMENT DRUM	6
58					107	51	614	13350	158		OBJECT MARKER, ONE WAY	
					9	9	614	18600	18	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN	6
.3					3.82	2.48	614	22000	6.3		WORK ZONE EDGE LINE, CLASS I, 4"	-
362					5,330	3,032	614	24000	8,362		WORK ZONE DOTTED LINE, CLASS I	
328						2,480	622	41000	8,328		PORTABLE BARRIER, 32"	
51					451		644	00500	451	FT	STOP LINE, TEMPORARY	
						36	808	18700	36	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASSEMBLY	
					1		SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL	6
											TRAFFIG CONTROL	
		F 400			2.720	0.074	C40	40400	F 400	ГТ	TRAFFIC CONTROL	
		5,400				2,674	618	40100	5,400	FT EACH	RUMBLE STRIPS, SHOULDER (ASPHALT CONCRETE)	
		103			59	44	621	00100	103			
+	+	103 192			59 124	44 68	621 630	54000 02100	103 192		RAISED PAVEMENT MARKER REMOVED GROUND MOUNTED SUPPORT, NO. 2 POST	
+		93			17	- 68 76	630	02100	93		GROUND MOUNTED SUPPORT, NO. 2 POST	
+		90			17	70	030	03100	33	ГІ	OKOOND MOUNTED SUFFORKI, NO. 3 FOST	
	 	200			150	50	630	08000	200	FT	GROUND MOUNTED STRUCTURAL BEAM SUPPORT, W12X30	
		75			41	34	630	81100	75		SIGN ERECTED, FLAT SHEET	
		340			250	90	630	81200	340		SIGN ERECTED, EXTRUSHEET	
		27			18	90	630	84900	27		REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
		23			13	10	630	86002	23	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		20			-13	10	000	00002	20	LAOIT	INCIMOVAL OF CINCOND MICCINTED FOOT COLF CINTAIND DIGITOCAL	
		0.68			0.28	0.4	644	00104	0.68	MILE	EDGE LINE, 6", (WHITE)	
	 	0.38			0.26	0.12	644	00104	0.38	MILE	EDGE LINE, 6", (YELLOW)	
		1.66			0.78	0.88	644	00200	1.66	MILE	LANE LINE, 4", (WHITE)	
		0.48			0.4	0.08	646	10010	0.48		EDGE LINE, 6", (WHITE)	
		0.21			0.12	0.09	646	10010	0.21	MILE	EDGE LINE, 6", (YELLOW)	
		0121			01.2	0.00	0.10	10010	0.2			
		0.22			0.14	0.08	646	10100	0.22	MILE	LANE LINE, 4", (WHITE)	
		0.14			0.14		646	10200	0.14		CENTER LINE	
					~~~		~~~			~~~	INCIDENTALS	
					LS	LS	108	10000	LS		CPM PROGRESS SCHEDULE	
						\S\	614	11001			MAINTAINING TRAFFIC, AS PER PLAN	5
					6	6	619	16010	12	MNTH	FIELD OFFICE, TYPE B	
					LS	LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
					LS	LS	624	10000	LS		MOBILIZATION	
	+											
+	+											
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