

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 CHAIR 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	COMPLETION DATE	TIME 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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CALCULATED  
KCS  
CHECKED  
JDH

**GENERAL NOTES**

**MAR-23-11.50**

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SHEET NUM.										PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.	CALCULATED	KCS	CHECKED	JDH
31	36	57	62							01/NHS/BR	02/NHS/BR										
										LS	LS	201	11000	LS		CLEARING AND GRUBBING					
	1,494									412	1,082	202	23000	1,494	SY	PAVEMENT REMOVED, (FULL-DEPTH)					
		12,322								6,406	5,916	202	38000	12,322	FT	GUARDRAIL REMOVED					
		6								5	1	202	42000	6	EACH	ANCHOR ASSEMBLY REMOVED, TYPE A					
		16								10	6	202	47000	16	EACH	BRIDGE TERMINAL ASSEMBLY REMOVED					
		4								2	2	202	47800	4	EACH	IMPACT ATTENUATOR REMOVED					
		64									64	202	75000	64	FT	FENCE REMOVED					
										65	7,267	203	10000	7,332	CY	EXCAVATION					55
										97	2,346	203	20000	2,443	CY	EMBANKMENT					55
	1,998									417	1,581	204	10000	1,998	SY	SUBGRADE COMPACTION					
										1	1	204	45000	2	HOUR	PROOF ROLLING					
		2.46								1.28	1.18	209	60500	2.46	MILE	LINEAR GRADING					
		102									102	601	21060	102	SY	TIED CONCRETE BLOCK MAT, TYPE 2					
	368									112	256	605	31100	368	FT	AGGREGATE DRAINS					
		679								679		606	15050	679	FT	GUARDRAIL, TYPE MGS					
		11,628								5,611	6,017	606	15100	11,628	FT	GUARDRAIL, TYPE MGS WITH LONG POSTS					
		85									85	606	15550	85	FT	GUARDRAIL, BARRIER DESIGN, TYPE MGS					
		6								4	2	606	26100	6	EACH	ANCHOR ASSEMBLY, TYPE E					
		6								4	2	606	26500	6	EACH	ANCHOR ASSEMBLY, TYPE T					
		12								8	4	606	35002	12	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1					
		4								2	2	606	35102	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2					
		4								2	2	606	60012	4	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIRECTIONAL)					
		64									64	607	15100	64	FT	FENCE, TYPE 47RA					
		48									48	609	24510	48	FT	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 <b>(ONE WAY)</b>					
																<b>EROSION CONTROL</b>					
										673	718	659	00300	1,391	CY	TOPSOIL					
										4,922	9,741	659	10000	14,663	SY	SEEDING AND MULCHING					3
										0.85	0.85	659	20000	1.7	TON	COMMERCIAL FERTILIZER					
										1.3	1.3	659	31000	2.6	ACRE	LIME					
										0.08	0.08	659	35000	0.15	MGAL	WATER					
										4,922	9,741	670	00500	14,663	SY	SLOPE EROSION PROTECTION					
										3,000	2,000	832	30000	5,000	EACH	EROSION CONTROL					
																<b>PAVEMENT</b>					
	1,638									630	1,008	254	01000	1,638	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 1.5" DEPTH					
	74										74	254	01000	74	SY	PAVEMENT PLANING, ASPHALT CONCRETE, 3.0" DEPTH					
	521										521	301	46000	521	CY	ASPHALT CONCRETE BASE, PG64-22, 9.0" DEPTH					
	366									82	284	304	20000	366	CY	AGGREGATE BASE, 6.0" DEPTH					
	360									106	254	407	10000	360	GAL	TACK COAT					
		71								28	43	442	20000	71	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), 1.5" DEPTH					
		130									130	442	20000	130	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (448), 3.0" DEPTH					
		124								40	84	617	10100	124	CY	COMPACTED AGGREGATE, TYPE A					
										X						STRUCTURE OVER 20 FOOT SPAN (5100844) FOR STRUCTURE MAR-23-1150 L GENERAL SUMMARY					65
										X						STRUCTURE OVER 20 FOOT SPAN (5100879) FOR STRUCTURE MAR-23-1150 R GENERAL SUMMARY					78
											X					STRUCTURE OVER 20 FOOT SPAN (5100968) FOR STRUCTURE MAR-23-1494 L GENERAL SUMMARY					91
											X					STRUCTURE OVER 20 FOOT SPAN (5100992) FOR STRUCTURE MAR-23-1494 R GENERAL SUMMARY					110
										X						STRUCTURE OVER 20 FOOT SPAN (5103215) FOR STRUCTURE MAR-231-0342 GENERAL SUMMARY					127
	4,240									2,640	1,600	614	11630	4,240	FT	MAINTENANCE OF TRAFFIC INCREASED BARRIER DELINEATION					

GENERAL SUMMARY

MAR-23-11.50

