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	COMPLETION DATE	TIME PERIOD	DISINCENTIVE \$ PER TIME PERIOD	INCENTIVE \$ PER TIME PERIOD	MAXIMUM INCENTIVE \$	
Λ	WORK AT MAR-23-14.94	10/1/20	DAY	\$ 600	NZA	NZA	

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
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MAR-23-11.50
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			I	SHE	ET NUM	•					RT.	ITEM	ITEM	GRAND	UNIT	
31	36	57	62			_				01/NHS/ BR	02/NHS/ BR	11211	EXT	TOTAL	ONIT	
										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, TYP
		16								10	6	202	47000	16	EACH	BRIDGE TERMINAL ASSEMBLY REMO
		4								2	2	202	47800	4	EACH	IMPACT ATTENUATOR REMOVED
		64									64	202	75000	64	FT	
										65	7,267	203	10000	7,332	CY	EXCAVATION EMBANKMENT
	1,998									97	2,346	203 204	20000 10000	2,443	<u>CY</u> SY	SUBGRADE COMPACTION
	1,990									417	1,501	204	10000	1,990	31	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
								_	<u> </u>					4		
		11,628							<u> </u>	5,611	6,017	606	15100	11,628	FT	GUARDRAIL, TYPE MGS WITH LONG F
		85 6						-	+		85	606 606	15550 26100	85 6	FT EACH	GUARDRAIL, BARRIER DESIGN, TYPE ANCHOR ASSEMBLY, TYPE E
		6							+	4	2 2	606	26100	6	EACH EACH	ANCHOR ASSEMBLY, TYPE E
		12							+	8	4	606	35002	12	EACH	MGS BRIDGE TERMINAL ASSEMBLY,
		12								0		000	00002		LAUN	
		4								2	2	606	35102	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, 7
		4								2	2	606	60012	4	EACH	IMPACT ATTENUATOR, TYPE 1 (BIDIR
		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 MOUNT
		131								63	68	626	00102	131	EACH	BARRIER REFLECTOR, TYPE 1, ONE V
										673	718	659	00300	1,391	CY	TOPSOIL
										4,922	9,741	659	10000	14,663	SY	SEEDING AND MULCHING
										0.85	0.85	659	20000	1.7	TON	COMMERCIAL FERTILIZER
										1.3	1.3	659	31000	2.6	ACRE	
										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
																PAVEMENT
	1,638									630	1.008	254	01000	1,638	SY	PAVEMENT PLANING, ASPHALT CONC
	74									000	74	254	01000	74	SY	PAVEMENT PLANING, ASPHALT CONC
	521										521	301	46000	521	CY	ASPHALT CONCRETE BASE, PG64-22,
	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 COUL
	130								+	40	130	442	20000	130	<u> </u>	ASPHALT CONCRETE SURFACE COU
	124								+ +	40	84	617	10100	124	CY	COMPACTED AGGREGATE, TYPE A
																STRUCTURE OVER 20 FOOT SPAN (5 ⁷
										X						FOR STRUCTURE MAR-23-1150 L GEN
																STRUCTURE OVER 20 FOOT SPAN (5
										X						FOR STRUCTURE MAR-23-1150 R GEN
											X					STRUCTURE OVER 20 FOOT SPAN (5 FOR STRUCTURE MAR-23-1494 L GEN
																STRUCTURE OVER 20 FOOT SPAN (5
						_	_				X					FOR STRUCTURE MAR-23-1494 R GEN
						-		-	+ +							STRUCTURE OVER 20 FOOT SPAN (5
									1	X						FOR STRUCTURE MAR-231-0342 GEN
																MAINTENANCE OF TRAFFIC
4.240		1			1		1			2,640	1,600	614	11630	4,240	FT	INCREASED BARRIER DELINEATION

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EROSION CONTROL		GENERAL
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NCRETE, 1.5" DEPTH		
ICRETE, 3.0" DEPTH 2, 9.0" DEPTH		
JRSE, 12.5 MM, TYPE A (448), 1.5" DEPTH		
JRSE, 12.5 MM, TYPE A (448), 3.0" DEPTH		
5100844) NERAL SUMMARY	65	
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5100879) ENERAL SUMMARY	78	ໍ2
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5100968) NERAL SUMMARY	91	ы В
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31	36	57	62								01/NHS/ BR	BR		EXT	TOTAL		
10 4											8	2 4	614 614	12336 12338	10 4	EACH EACH	WORK ZONE IMPACT ATTENUATOR (L WORK ZONE IMPACT ATTENUATOR (B
												36	614	13310	36		BARRIER REFLECTOR, TYPE 1, ONE W
											2	2	614	12500	4	EACH	REPLACEMENT SIGN
											8	7	614	12600	15	EACH	REPLACEMENT DRUM
158											107	51	614	13350	158	EACH	OBJECT MARKER, ONE WAY
6.3											9 3.82	9 2.48	614 614	18600 22000	18 6.3		PORTABLE CHANGEABLE MESSAGE S WORK ZONE EDGE LINE, CLASS I, 4"
8,362 8,328											5,330 5,848	3,032 2,480	614 622	24000 41000	8,362 8,328		WORK ZONE DOTTED LINE, CLASS I PORTABLE BARRIER, 32"
451											451	2,400	644	00500	451	FT	STOP LINE, TEMPORARY
												36	808	18700	36	SNMT	DIGITAL SPEED LIMIT (DSL) SIGN ASS
											1		SPECIAL	61411300	1	EACH	WORK ZONE TRAFFIC SIGNAL
																	TRAFFIC CONTROL
]			5,400								2,726	2,674	618	40100	5,400	FT	RUMBLE STRIPS, SHOULDER (ASPHA
			103 103								59 59	<u>44</u> 44	621 621	00100 54000	103 103		RPM RAISED PAVEMENT MARKER REMOVE
			103								124	68	630	02100	103	FT	GROUND MOUNTED SUPPORT, NO. 2
			93								17	76	630	03100	93	FT	GROUND MOUNTED SUPPORT, NO. 3
			200								150	50	630	08000	200	FT	GROUND MOUNTED STRUCTURAL BE
			75								41	34	630	81100	75	SF	SIGN ERECTED, FLAT SHEET
			340 27								250 18	<u>90</u> 9	630 630	81200 84900	340 27	SF EACH	SIGN ERECTED, EXTRUSHEET REMOVAL OF GROUND MOUNTED SIG
			27								18	<u>9</u> 10	630	84900	27	EACH	REMOVAL OF GROUND MOUNTED SIG
			0.68 0.38								0.28 0.26	0.4	644 644	00104	0.68	MILE	EDGE LINE, 6", (WHITE) EDGE LINE, 6", (YELLOW)
			1.66								0.20	0.12	644	00104	1.66	MILE	LANE LINE, 4", (WHITE)
			0.48								0.4	0.08	646	10010	0.48	MILE	EDGE LINE, 6", (WHITE)
			0.21								0.12	0.09	646	10010	0.21	MILE	EDGE LINE, 6", (YELLOW)
			0.22								0.14	0.08	646	10100	0.22	MILE	LANE LINE, 4", (WHITE)
			0.14								0.14		646	10200	0.14	MILE	CENTER LINE
																	INCIDENTALS
											LS	LS	108	10000	LS		CPM PROGRESS SCHEDULE
											LS	LS	614	11001	LS		MAINTAINING TRAFFIC, AS PER PLAN
											6 LS	6 LS	619 623	16010 10000	12 LS	MNIH	FIELD OFFICE, TYPE B CONSTRUCTION LAYOUT STAKES AN
											LS	LS	624	10000	LS		MOBILIZATION
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