

MAR-4/4D-11.63/0.74

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2022-04-04 TIME: 5:06:35 PM USER: Tm.Williams  
\\uspeas1\CI\125613\_MAR\_04-4D\7\_0\_Production\Worksheets\111383\400-Engineering\Roadway\Sheets\111383\_GG003.dgn

SHEET NUM.											PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.		
107	145										01/S<2/BR	02/SAF/OT								
<b>STRUCTURE OVER 20 FOOT SPAN ((MAR-4-11.63 and SFN: 5100127))</b>																				
LS											LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	105 & 106		
LS											LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING			
LS											LS		503	21300	LS		UNCLASSIFIED EXCAVATION			
73,000											73,000		509	10000	73,000	LB	EPOXY COATED REINFORCING STEEL			
400											400		509	20001	400	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	106		
32,123											32,123		509	30020	32,123	FT	NO. 4 GFRP DEFORMED BARS			
1,760											1,760		510	10000	1,760	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT			
345											345		511	31612	345	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE			
115											115		511	34450	115	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			
106											106		511	46010	106	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING			
747											747		512	74000	747	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			
4,315											4,315		512	10100	4,315	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			
2											2		512	10600	2	FT	CONCRETE REPAIR BY EPOXY INJECTION			
183											183		512	33000	183	SY	TYPE 2 WATERPROOFING			
172											172		516	11211	172	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	105		
30											30		516	13200	30	SF	1/2" PREFORMED EXPANSION JOINT FILLER			
800											800		516	13600	800	SF	1" PREFORMED EXPANSION JOINT FILLER			
108											108		518	21200	108	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC			
80											80		518	62100	80	FT	STRUCTURE DRAINAGE, MISC.:8" PERFORATED CORRUGATED PLASTIC PIPE	114		
10,988											10,988		SPECIAL	51900100	10,988	SF	COMPOSITE FIBER WRAP SYSTEM (SEE PROPOSAL NOTE)	106		
299											299		519	11101	299	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	106		
27											27		SPECIAL	51911600	27	SF	PATCHING CONCRETE STRUCTURE: PRESTRESSED CONCRETE BOX BEAM REPAIR	106		
LS											LS		SPECIAL	53000200	LS		STRUCTURES: PREMIUM ON CSXT'S PROTECTIVE LIABILITY AND PROPERTY DAMAGE INSURANCE	106		
48											48		SPECIAL	53000400	48	EACH	STRUCTURES BOX BEAM ANCHOR DOWELS & BRACKETS	130		
1,614											1,614		607	39900	1,614	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			
2,951											2,951		848	10000	2,951	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION 1 1/2" THICK			
2,951											2,951		848	20000	2,951	SY	SURFACE PREPARATION USING HYDRODEMOLITION			
7											7		848	30000	7	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			
443											443		848	50000	443	SY	HAND CHIPPING			
<b>STRUCTURE OVER 20 FOOT SPAN ((MAR-4D-00.50 and SFN: 5100240))</b>																				
LS											LS		202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	143		
191											191		202	22900	191	SY	APPROACH SLAB REMOVED			
LS											LS		503	11100	LS		COFFERDAMS AND EXCAVATION BRACING			
LS											LS		503	21300	LS		UNCLASSIFIED EXCAVATION			
194,900											194,900		509	10000	194,900	LB	EPOXY COATED REINFORCING STEEL			
200											200		509	20001	200	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	143		
33,966											33,966		509	30020	33,966	FT	NO. 4 GFRP DEFORMED BARS			
2,240											2,240		510	10000	2,240	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT			
649											649		511	31612	649	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE			
346											346		511	34450	346	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			
27											27		511	45710	27	CY	CLASS QC1 CONCRETE, ABUTMENT			
147											147		511	46010	147	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING			
4,424											4,424		512	10100	4,424	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)			
59											59		512	10600	59	FT	CONCRETE REPAIR BY EPOXY INJECTION			
187											187		512	33000	187	SY	TYPE 2 WATERPROOFING			
595											595		512	74000	595	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			
168											168		516	11211	168	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	186		
969											969		516	13600	969	SF	1" PREFORMED EXPANSION JOINT FILLER			
272											272		518	21200	272	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC			
224											224		518	62100	224	FT	STRUCTURE DRAINAGE, MISC.:8" PERFORATED CORRUGATED PLASTIC PIPE	151 & 152		
10,198											10,198		SPECIAL	51900100	10,198	SF	COMPOSITE FIBER WRAP SYSTEM (SEE PROPOSAL NOTE)	106		
701											701		519	11101	701	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	144		
198											198		SPECIAL	51911600	198	SF	PATCHING CONCRETE STRUCTURE PRESTRESSED CONCRETE BOX BEAM REPAIR	144		
LS											LS		SPECIAL	51960000	LS		PATCHING CONCRETE STRUCTURE PLUG SCUPPER OPENING IN PRESTRESSED CONCRETE BOX BEAMS	144		
191											191		526	25000	191	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")			
69											69		526	90010	69	FT	TYPE A INSTALLATION			
LS											LS		SPECIAL	53000200	LS		STRUCTURES: PREMIUM ON CSXT'S PROTECTIVE LIABILITY AND PROPERTY DAMAGE INSURANCE	144		
64											64		SPECIAL	53000400	64	EACH	STRUCTURES: BOX BEAM ANCHOR DOWEL BAR	168		
1,490											1,490		607	39900	1,490	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			

GENERAL SUMMARY

DESIGN AGENCY  
**[BI]**

DESIGNER  
AJP

REVIEWER  
SRB 01-12-22

PROJECT ID  
111383

SHEET TOTAL  
P.23 190

MAR-4/4D-11.63/0.74

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2022-04-04 TIME: 4:08:53 PM USER: Tm.Williams  
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ESTIMATED QUANTITIES										
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET NO.	
202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	6 & 7 / 40	
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING				LS		
503	21300	LS		UNCLASSIFIED EXCAVATION				LS		
509	10000	73,000	LB	EPOXY COATED REINFORCING STEEL	930		45,978	26,037		
509	20001	400	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCEMENT STEEL, AS PER PLAN	50		200	150	7 / 40	
509	30020	32,123	FT	NO. 4 GFRP DEFORMED BARS	303		21,492	10,328		
510	10000	1,760	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	48			1,712		
511	31612	345	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE			345			
511	34450	115	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	7			108		
511	46010	106	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING				106		
512	10100	4,315	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	101	1,114	1,982	1,118		
512	10600	2	FT	CONCRETE REPAIR BY EPOXY INJECTION		2				
512	33000	183	SY	TYPE 2 WATERPROOFING	6			177		
512	74000	747	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	125		358	264		
516	11211	172	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN			172		6 / 40	
516	13200	30	SF	1/2" PREFORMED EXPANSION JOINT FILLER	30					
516	13600	800	SF	1" PREFORMED EXPANSION JOINT FILLER				800		
518	21200	108	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC				108		
518	62100	80	FT	STRUCTURE DRAINAGE, MISC.: 8" PERFORATED CORRUGATED PLASTIC PIPE				80	15 / 40	
SPECIAL	51900100	10,988	SF	COMPOSITE FIBER WRAP SYSTEM (SEE PROPOSAL NOTE)		10,988			7 / 40	
519	11101	299	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	36	229		34	7 / 40	
SPECIAL	51911600	27	SF	PATCHING CONCRETE STRUCTURE: PRESTRESSED CONCRETE BOX BEAM REPAIR			27		7 / 40	
SPECIAL	53000200	LS		STRUCTURE, MISC.: PREMIUM ON CSXT'S PROTECTIVE LIABILITY AND PROPERTY DAMAGE INSURANCE				LS	7 / 40	
SPECIAL	53000400	48	EACH	STRUCTURES: BOX BEAM ANCHOR DOWELS & BRACKETS		48			31 / 40	
607	39900	1,614	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			1,614			
848	10000	2,951	SY	MICRO SILICA MODIFIED CONCRETE OVERLAY USING HYDRODEMOLITION (1 1/2" THICK)			2,951			
848	20000	2,951	SY	SURFACE PREPARATION USING HYDRODEMOLITION			2,951			
848	30000	7	CY	MICRO SILICA MODIFIED CONCRETE OVERLAY (VARIABLE THICKNESS), MATERIAL ONLY			7			
848	50000	443	SY	HAND CHIPPING			443			

ESTIMATED QUANTITIES  
 BRIDGE NO.: MAR-00004-11.630  
 STATE STREET OVER CSXT RR

SFN	5100127
DESIGN AGENCY	
<b>[BI]</b>	
DESIGNER	CHECKER
AIS	SS
REVIEWER	
SRB	01-12-22
PROJECT ID	111383
SUBSET	TOTAL
8	40
SHEET	TOTAL
P.107	190

MAR-4/4D-11.63/0.74

MODEL: Sheet PAPER: 34x22 (in.) DATE: 2022-04-04 TIME: 4:12:27 PM USER: Tm.Williams  
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ESTIMATED QUANTITIES									
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET NO.
202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	4 / 51
202	22900	191	SY	APPROACH SLAB REMOVED				191	
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300	LS		UNCLASSIFIED EXCAVATION				LS	
509	10000	194,900	LB	EPOXY COATED REINFORCING STEEL	4,597		159,328	30,929	
509	20001	200	LB	REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	50			150	4 / 51
509	30020	33,966	FT	NO. 4 GFRP DEFORMED BARS	329		20,839	12,798	
510	10000	2,240	Each	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT	372			1,868	
511	31612	649	CY	CLASS QC2 CONCRETE WITH QC/QA, SUPERSTRUCTURE			649		
511	34450	346	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	4		215	127	
511	45710	27	CY	CLASS QC1 CONCRETE, ABUTMENT	27				
511	46010	147	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL NOT INCLUDING FOOTING				147	
512	10100	4,424	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	110	1,104	1,964	1,246	
512	10600	59	FT	CONCRETE REPAIR BY EPOXY INJECTION		59			
512	33000	187	SY	TYPE 2 WATERPROOFING	3			184	
512	74000	595	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES			354	241	
516	11211	168	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL, AS PER PLAN	67	101			47 / 51
516	13600	969	SF	1" PREFORMED EXPANSION JOINT FILLER	33			936	
518	21200	272	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	21			251	
518	61200	224	FT	STRUCTURE DRAINAGE, MISC.: 8" PERFORATED CORRUGATED PLASTIC PIPE				224	12 & 13 / 51
SPECIAL	51900100	10,198	SF	COMPOSITE FIBER WRAP SYSTEM (SEE PROPOSAL NOTE)		10,198			5 / 51
519	11101	701	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	39	654		8	5 / 51
SPECIAL	51911600	198	SF	PATCHING CONCRETE STRUCTURE: PRESTRESSED CONCRETE BOX BEAM REPAIR			198		5 / 51
SPECIAL	51960000	LS		PATCHING CONCRETE STRUCTURE: PLUG SCUPPER OPENING IN PRESTRESSED CONCRETE BOX BEAMS			LS		5 / 51
526	25000	191	SY	REINFORCED CONCRETE APPROACH SLABS (T=15")				191	
526	90010	69	FT	TYPE A INSTALLATION				69	
SPECIAL	53000200	LS		STRUCTURE, MISC.: PREMIUM ON CSXT'S PROTECTIVE LIABILITY AND PROPERTY DAMAGE INSURANCE				LS	5 / 51
SPECIAL	53000400	64	EACH	STRUCTURES: BOX BEAM ANCHOR DOWEL BAR		64			
607	39900	1,490	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC			1,490		29 / 51

ESTIMATED QUANTITIES  
 BRIDGE NO.: MAR-0004D-00.500  
 PROSPECT STREET OVER CSXT RR

SFN	5100240
DESIGN AGENCY	
<b>[ IBI ]</b>	
DESIGNER	CHECKER
AIS	SS
REVIEWER	
SRB	01-12-22
PROJECT ID	111383
SUBSET	TOTAL
6	51
SHEET	TOTAL
P.145	190