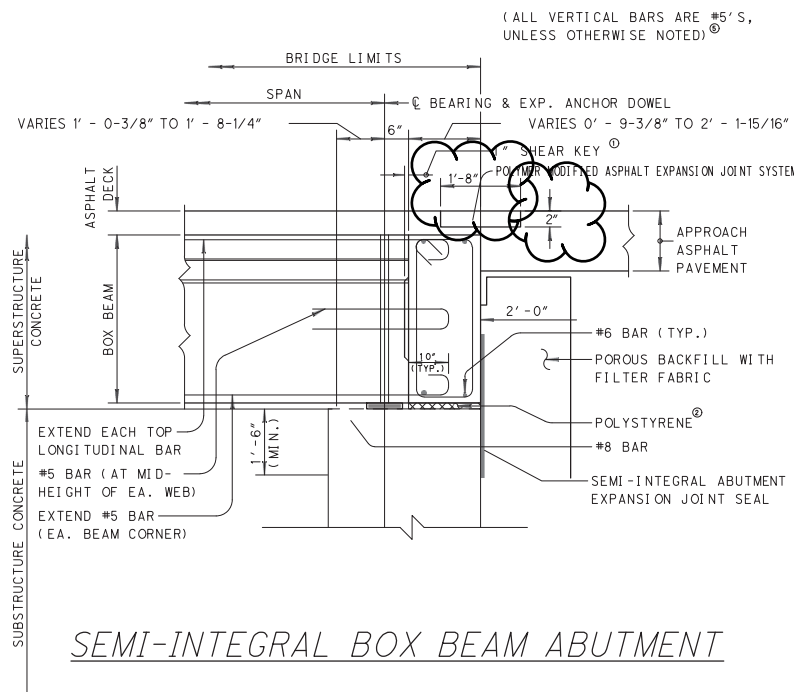


SHEET NUMBER						PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SP 1307 - 4 DATE: MARCH 2021	SEE SHEET NO.
OFFICE CALCS	3	5	7	9	01/BRF/BR									
												ROADWAY		
51						51	203	10000	3	CY	EXCAVATION			
6						6	203	20000	6	CY	EMBANKMENT			
184						184	204	10000	104	SY	SUBGRADE COMPACTION			
						1	204	45000	1	HOUR	PROOF ROLLING			
			25			25	606	15050	25	FT	GUARDRAIL, TYPE MGS			
			3			3	606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350 OR MASH 2016)			
			1			1	606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T			
			4			4	606	35002	4	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1			
												EROSION CONTROL		
49						49	659	00300	49	CY	TOPSOIL			
441						441	659	10000	441	SY	SEEDING AND MULCHING			
22						22	659	14000	22	SY	REPAIR SEEDING AND MULCHING			
22						22	659	15000	22	SY	INTER-SEEDING			
0.10						0.10	659	20000	0.10	TON	COMMERCIAL FERTILIZER			
0.09						0.09	659	31000	0.09	ACRE	LIME			
2						2	659	35000	2	MGAL	WATER			
632						632	832	30000	632	EACH	EROSION CONTROL			
												DRAINAGE		
			5			5	601	32100	5	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER			
			1			1	602	20000	1	CY	CONCRETE MASONRY		7	
												PAVEMENT		
			36			36	252	01500	36	FT	FULL DEPTH PAVEMENT SAWING			
18						18	301	46000	18	CY	ASPHALT CONCRETE BASE, PG64-22			
18						18	304	20000	18	CY	AGGREGATE BASE			
12						12	407	20000	12	GAL	NON-TRACKING TACK COAT			
4						4	441	50000	4	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22			
4						4	441	50300	4	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)			
												TRAFFIC CONTROL		
						8	626	00110	8	EACH	BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL			
						48	630	01100	48	FT	GROUND MOUNTED SUPPORT, NO. 1 POST			
						12	630	80100	12	SF	SIGN, FLAT SHEET			
						2	630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL			
												STRUCTURES OVER 20' SPAN		
												FOR STRUCTURE PRE SPRING STREET BRIDGE		13
												MAINTENANCE OF TRAFFIC		
			LS			LS	614	12420	LS		DETOUR SIGNING			
												INCIDENTALS		
						LS	614	11000	LS		MAINTAINING TRAFFIC			
						LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING			
						LS	624	10000	LS		MOBILIZATION			
						LS	878	25000	LS		INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS			

GENERAL SUMMARY

PRE SPRING STREET BRIDGE REPLACEMENT

03/03/21 - 02:42pm - TAB: GENERAL SUMMARY
S:\NEW PARIS\NEW PARIS VILLAGE OF - SPRING ST BRIDGE REPLACEMENT - NPOD\BRIDGE\DRAWINGS\07136_03_000.DWG



NOTES FOR SEMI-INTEGRAL BOX-BEAM ABUTMENT DETAILS:

1. PROVIDE A 1" DEEP SHEAR KEY CENTERED IN THE BEAM END. THE SHEAR KEY HEIGHT SHALL BE ONE-HALF OF THE BOX BEAM HEIGHT AND THE WIDTH SHALL BE 26" FOR 3'-0" BOXES AND 38" FOR 4'-0" BOXES.

2. WHEN DIMENSIONING THE TOTAL THICKNESS OF THE POLYSTYRENE, DESIGNERS SHOULD CONSIDER THAT THE MATERIAL IS AVAILABLE IN THE FOLLOWING THICKNESS: 3/4", 1", 1-1/2", 2", 2-1/2" AND 3". POLYSTYRENE SHALL BE PAID FOR UNDER ITEM 511 - CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN. INCLUDE THE FOLLOWING NOTE IN THE STRUCTURE GENERAL NOTES: CONCRETE, AS PER PLAN.

ITEM 511 - CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN: FURNISH MATERIALS MEETING THE REQUIREMENTS OF ASTM C578 TYPE IV. NEATLY CUT MATERIAL AS NECESSARY TO ALLOW FOR PROPER INSTALLATION. JOINTS AT ABUTTING PIECES SHALL BE SEALED WITH DUCT TAPE. ALLOWABLE TOLERANCE FOR THE TOTAL THICKNESS OF THE MATERIAL SHALL BE -0", +1/2". DO NOT PLACE MORE THAN TWO LAYERS OF POLYSTYRENE TO ACHIEVE TOTAL THICKNESS.

3. THE ASSUMED ORIENTATION OF THIS CROSS-SECTION IS PERPENDICULAR TO THE CENTERLINE OF ABUTMENT BEARINGS.

4. PLACE ALL VERTICAL BARS NORMAL TO THE CENTERLINE OF ABUTMENT BEARINGS.

EX. CONCRETE BACKWALL TO BE REMOVED (SEE SEMI-INTEGRAL BOX BEAM ABUTMENT DETAILS)

REINFORCED CONCRETE ABUTMENT PER 1962 PLANS

EX. REINFORCED CONCRETE FOOTING ON PILES

EX. REAR ABUTMENT

EX. CONCRETE BACKWALL TO BE REMOVED (SEE SEMI-INTEGRAL BOX BEAM ABUTMENT DETAILS), FIELD VERIFY DIMENSIONS

EX. CONCRETE ABUTMENT CAP

EX. STONE ABUTMENT WITH SHOTCRETE FINISH; EX. SHOTCRETE TO BE REPLACED

EX. FOOTING MATERIAL AND DIMENSIONS UNKNOWN.

EX. FORWARD ABUTMENT

DESIGNED	JLM	CHECKED	CMB
DRAWN	DAR	REVISED	
REVIEWED	MJB	STRUCTURE FILE NUMBER	6842446
DATE	3-29-21		

ABUTMENT DETAILS
 BRIDGE NO. PRE-SPRING STREET BRIDGE
 OVER ROCKY FORK CREEK

PRE SPRING ST BRIDGE
 REPLACEMENT
 PID NO. 107136

PARTICIPATION		ESTIMATED QUANTITIES					DESIGNED: DAR DATE: 09/21/20	CHECKED: JLM DATE: 09/21/20	
01/BRF/BR	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	SUPER.	GEN.	A.P.P.
LS	202	11002	LS	-	STRUCTURE REMOVED, OVER 20 FOOT SPAN		LS		
83	202	23500	83	SY	WEARING COURSE REMOVED		83		
80	202	38500	80	BT	BRIDGE RAILING REMOVED			80	
LS	202	11201	LS	-	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	LS			2/7
8	407	20000	8	GAL	NON-TRACKING TACK COAT		8		
3	441	50000	3	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22		3		
4	441	50000	4	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)		4		
LS	503	21300	LS	-	UNCLASSIFIED EXCAVATION	LS			
461	509	10000	461	LB	EPOXY COATED REINFORCING STEEL		461		
7	511	21521	7	CY	CLASS QC2 CONCRETE, SUPERSTRUCTURE, AS PER PLAN	7			
21	512	10100	21	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		21		
77	512	33010	77	SY	TYPE 3 WATERPROOFING		77		
5	515	10070	5	EACH	PRESTRESSED CONC. NON-COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, (B27-48, 33'-11½")		5		
42	516	14020	42	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	42			
10	516	41100	10	EACH	1/8" PREFORMED BEARING PAD		10		
20	516	43100	20	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES ONLY (NEOPRENE), (8" x 8" x 1.42")		20		6/7
75	517	70000	75	FT	RAILING (TWIN STEEL TUBE)			75	
68	SPECIAL	51822300	68	FT	STEEL DRIP STRIP		68		5/7
98	520	10000	98	SF	PNEUMATICALLY PLACED CONCRETE SHOTCRETE	98			
12	846	00110	12	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		12		

DESIGNED	JLM	CMB
CHECKED		
DRAWN	DAR	
REVISD		
REVIEWED	MJB	
DATE	3-29-21	
STRUCTURE FILE NUMBER	6842446	

ESTIMATED QUANTITIES
 BRIDGE NO. PRE-SPRING STREET BRIDGE
 OVER ROCKY FORK CREEK

PRE SPRING ST BRIDGE
 REPLACEMENT
 PID NO. 107136