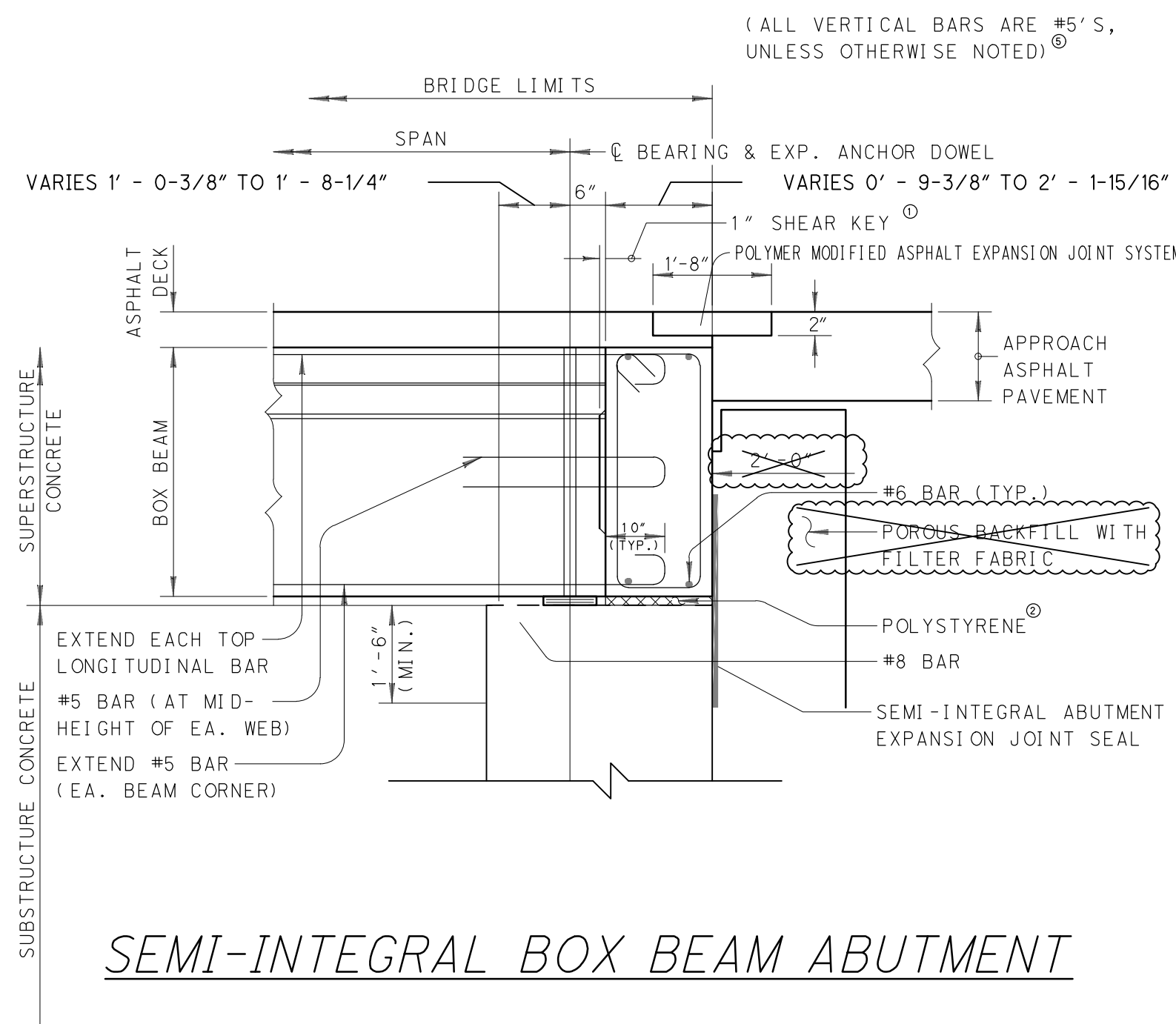


SHEET NUMBER								PARTICIPATION		ITEM	ITEM EXT.	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS	3	4	5	7	9	01/BRF/BR									
		LS				LS		201	11000	LS		CLEARING AND GRUBBING			
104						104		202	23000	104	SY	PAVEMENT REMOVED			
22						22		203	10000	22	CY	EXCAVATION			
6						6		205	20000	6	CY	EMBANKMENT			
104						104		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			

CALCULATED: DAR
 CHECKED: JLM
 GENERAL SUMMARY
 PRE SPRING STREET BRIDGE REPLACEMENT
 6
 17

OBJECT - 05.150m TAB GENERAL SUMMARY
 S:\NEW PARIS\NEW PARIS VILLAGE OF - SPRING ST BRIDGE REPLACEMENT - NPO0048\DRAWINGS\07136_05_006.DWG



SEMI-INTEGRAL BOX BEAM ABUTMENT

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

DATE	4-7-21
REVIEWED	MJB
STRUCTURE FILE NUMBER	6842446
DRAWN	DAR
REVISION	
DESIGNED	JLM
CHECKED	CMB