

**CROSSINGS AND CONNECTIONS TO EXISTING PIPES AND UTILITIES**

WHERE PLANS PROVIDE FOR A PROPOSED CONDUIT TO BE CONNECTED TO, OR CROSS OVER OR UNDER AN EXISTING SEWER OR UNDERGROUND UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING TO LAY THE PROPOSED CONDUIT.

IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE TO BE CONNECTED, DIFFERS FROM THE PLAN ELEVATION OR RESULTS IN A CHANGE IN THE PLAN CONDUIT SLOPE, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WILL BE AFFECTED BY THE VARIANCE IN THE EXISTING ELEVATIONS.

IF IT IS DETERMINED THAT THE PROPOSED CONDUIT WILL INTERSECT AN EXISTING SEWER OR UNDERGROUND UTILITY IF CONSTRUCTED AS SHOWN ON THE PLAN, THE ENGINEER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED CONDUIT WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY.

PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEM.

**REVIEW OF DRAINAGE FACILITIES**

BEFORE ANY WORK IS STARTED ON THE PROJECT AND AGAIN BEFORE FINAL ACCEPTANCE BY THE STATE, REPRESENTATIVES OF THE STATE AND THE CONTRACTOR, ALONG WITH LOCAL REPRESENTATIVES, SHALL MAKE AN INSPECTION OF ALL EXISTING SEWERS WHICH ARE TO REMAIN IN SERVICE AND WHICH MAY BE AFFECTED BY THE WORK. THE CONDITION OF THE EXISTING CONDUITS AND THEIR APPURTENANCE SHALL BE DETERMINED FROM FIELD OBSERVATIONS. RECORDS OF THE INSPECTION SHALL BE KEPT IN WRITING BY THE STATE.

ALL NEW CONDUITS, INLETS, CATCH BASINS, AND MANHOLES CONSTRUCTED AS A PART OF THE PROJECT SHALL BE FREE OF ALL FOREIGN MATTER AND IN A CLEAN CONDITION BEFORE THE PROJECT WILL BE ACCEPTED BY THE STATE.

ALL EXISTING SEWERS INSPECTED INITIALLY BY THE ABOVE MENTIONED PARTIES SHALL BE MAINTAINED AND LEFT IN A CONDITION REASONABLY COMPARABLE TO THAT DETERMINED BY THE ORIGINAL INSPECTION. ANY CHANGE IN THE CONDITION RESULTING FROM THE CONTRACTORS OPERATIONS SHALL BE CORRECTED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER.

PAYMENT FOR ALL OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT 611 CONDUIT ITEMS.

**RAILROAD MANPOWER SHORTAGES**

RAILROAD MANPOWER SHORTAGES ARE EXPECTED DURING THE HOLIDAY SEASON. BASED ON THE LIMITED AVAILABILITY OF RAILROAD FLAGGERS DURING PEAK TIMES, THE CONTRACTOR SHOULD NOT ANTICIPATE BEING ABLE TO WORK BETWEEN OCTOBER 31, 2021 AND JANUARY 1, 2022.

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CALCULATED	HB
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<b>GENERAL NOTES</b>	
<b>COL-ELIZABETH ST</b>	
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SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
5	6	26								01/BRF/BR		EXT	TOTAL			
															STRUCTURE OVER 20 FOOT SPAN (COL-ELIZB-0100, SFN 1560671)	
		LS								LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	24
		642								642	202	23500	642	SY	WEARING COURSE REMOVED	
		LS								LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
		330								330	503	21100	330	CY	UNCLASSIFIED EXCAVATION	
		LS								LS	505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION	
		3,240								3,240	507	00500	3,240	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
		2,065								2,065	507	00550	2,065	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	
		1,540								1,540	507	00551	1,540	FT	12" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED, AS PER PLAN	24
		188								188	507	92201	188	FT	PREBORED HOLES, AS PER PLAN	24
		117,151								117,151	509	10000	117,151	LB	EPOXY COATED REINFORCING STEEL	
		2								2	511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
		267								267	511	34446	267	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
		46								46	511	34450	46	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
		33								33	511	41012	33	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
		80								80	511	42012	80	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
		30								30	511	44112	30	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	
		154								154	511	46512	154	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
		49								49	511	51512	49	CY	CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK	
		191								191	512	10050	191	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
		985								985	512	10100	985	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
		210,299								210,299	513	10281	210,299	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4, AS PER PLAN	24
		6,300								6,300	513	20000	6,300	EACH	WELDED STUD SHEAR CONNECTORS	
		62								62	516	10010	62	FT	ARMORLESS PREFORMED JOINT SEAL	
		21								21	516	13600	21	SF	1" PREFORMED EXPANSION JOINT FILLER	
		84								84	516	13900	84	SF	2" PREFORMED EXPANSION JOINT FILLER	
		83								83	516	14020	83	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
		10								10	516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13" x 15" x 2.049" PAD WITH 16" x 14" x 2.314" BEVELED LOAD PLATE)	40
		10								10	516	44101	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (12" x 14" x 2.948" PAD WITH 15" x 13" x 2.536" BEVELED PLATE)	40
		10								10	516	44201	10	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (12" x 12" x 3.523" PAD WITH 15" x 13" x 1.500" TOP LOAD PLATE, 13" x 13" x 1.500" BOTTOM LOAD PLATE, MASONRY PLATE HP SECTION)	40
		133								133	517	75120	133	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING)	
		165								165	517	75122	165	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING AND VANDAL PROTECTION FENCE)	
		32								32	518	21200	32	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
		90								90	518	40000	90	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
		66								66	518	40010	66	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
		3								3	523	20000	3	EACH	DYNAMIC LOAD TESTING	
		107								107	526	10010	107	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=12")	
		62								62	526	90030	62	FT	TYPE C INSTALLATION	
		240								240	SPECIAL	53000600	240	SF	STRUCTURES: EXISTING STONE WALL REPAIR	25
		LS								LS	SPECIAL	53014000	LS		STRUCTURAL SURVEY AND MONITORING OF VIBRATION	25
		905								905	601	20000	905	SY	CRUSHED AGGREGATE SLOPE PROTECTION	
		165								165	607	39900	165	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
		165								165	607	39921	165	FT	VANDAL PROTECTION FENCE, 10' CURVED, COATED FABRIC, AS PER PLAN	25
		LS								LS	SPECIAL	69091000	LS		AS-BUILT CONSTRUCTION PLANS	25
															MAINTENANCE OF TRAFFIC	
		LS								LS	614	12420	LS		DETOUR SIGNING	
		10								10	614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
		0.06								0.06	614	21100	0.06	MILE	WORK ZONE CENTER LINE, CLASS I, 642 PAINT	
		5								5	616	10000	5	MGAL	WATER	
															INCIDENTALS	
										LS	614	11000	LS		MAINTAINING TRAFFIC	
										12	619	16010	12	MNTH	FIELD OFFICE, TYPE B	
										LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
										LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

COL-ELIZABETH ST

CALCULATED  
HB  
CHECKED  
SNP