

MODEL: Sheet PAPER: SIZE: 34x22 (in.) DATE: 12/3/2025 TIME: 1:46:04 PM PLTDRV: OHDOT_PDF.pltctg PEVTBL: OHDOT_Pen.tbl USER: lhedges@elrobinson.com WORKSPACE: OHDOTCEv02 WORKSET: 119380 PRODUCT: OpenRoadsDesigner 10.12.03.2 P:\OHDOTCEv02_Works\119380\400-Engineering\Structures\SFN_1806874\Sheets\119380_SF_N_1806874_S0001.dgn

FUNDING PARTICIPATION	MADE BY: MJM		DATE: 7/25/2025		ESTIMATED QUANTITIES	STRUCTURAL FILE NUMBER: 1806874				
	CHECKED BY: MMD		DATE: 7/25/2025							
01/IMS	ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIER	SUPER.	GEN.	REFERENCE SHEET NO.
LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					SHEET 3 OF 40
400	202	22900	400	SY	APPROACH SLAB REMOVED				400	
400	202	23500	400	SY	WEARING COURSE REMOVED				400	
LS	503	11101	LS		COFFERDAMS AND EXCAVATION BRACING, AS PER PLAN					SHEET 3 OF 40
139	503	21100	139	CY	UNCLASSIFIED EXCAVATION	139				
223,658	509	10000	223,658	LB	EPOXY COATED STEEL REINFORCEMENT	16,499		207,159		
165	509	20001	165	LB	CONCRETE REINFORCEMENT, REPLACEMENT OF EXISTING CONCRETE REINFORCEMENT, AS PER PLAN	165				SHEET 3 OF 40
13,261	509	30020	13,261	FT	NO. 4 DEFORMED GFRP REINFORCEMENT			13,261		
700	510	10001	700	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	700				SHEET 3 OF 40
699	511	34446	699	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			699		
197	511	34450	197	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)			197		
97	511	45712	97	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT	97				
1,108	512	10100	1,108	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	249		859		
3,071	512	10400	3,071	SY	TREATING OF CONCRETE BRIDGE DECK WITH SRS			2,470	601	
4	512	10600	4	FT	CONCRETE REPAIR BY EPOXY INJECTION		4			
97	512	33000	97	SY	TYPE 2 WATERPROOFING	97				
3,071	512	73500	3,071	SY	TREATING CONCRETE BRIDGE DECKS WITH GRAVITY FED RESIN			2,470	601	
14,111	513	10221	14,111	LB	STRUCTURAL STEEL MEMBERS, LEVEL 1, AS PER PLAN (BOLTED COVER PLATE RETROFITS)			14,111		SHEETS 4 OF 40
15,776	513	20000	15,776	EACH	WELDED STUD SHEAR CONNECTORS			15,776		
4,230	513	21500	4,230	LB	REPLACEMENT OF DETERIORATED END CROSSFRAMES			4,230		
845	513	90000	845	LB	STRUCTURAL STEEL, MISC.: SEISMIC RETROFIT			845		SHEET 4 OF 40
28	513	95030	28	EACH	STRUCTURAL STEEL, MISC.: REPLACEMENT OF CROSS FRAMES			28		SHEET 4 OF 40
3,782	514	00051	3,782	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL, AS PER PLAN			3,782		SHEET 4 OF 40
3,782	514	00057	3,782	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT, AS PER PLAN			3,782		SHEET 4 OF 40
4,824	514	00061	4,824	SF	FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT, AS PER PLAN			4,824		SHEET 4 OF 40
4,824	514	00067	4,824	SF	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT, AS PER PLAN			4,824		SHEET 4 OF 40
229	516	11210	229	FT	STRUCTURAL EXPANSION JOINT INCLUDING ELASTOMERIC STRIP SEAL	229				
135	516	13600	135	SF	1" PREFORMED EXPANSION JOINT FILLER	44		91		
13	516	13900	13	SF	2" PREFORMED EXPANSION JOINT FILLER			13		
16	516	44001	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (1.8754"x8 1/2"x11" PAD, 1/2"x9 1/2"x13" LOAD PLATE)	16				SHEET 20 OF 40
16	516	44101	16	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (2.9334"x13"x13" PAD, 1"x14"x14" LOAD PLATE, AND 1 1/2"x18"x32" MASONRY PLATE WITH SEISMIC RETAINERS)	16				SHEET 4 & 20 OF 40
LS	516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN					SHEET 4 OF 40
5	518	12200	5	EACH	SCUPPERS, INCLUDING SUPPORTS			5		
139	518	21200	139	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	139				
285	518	40000	285	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	285				
100	518	40010	100	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	100				
17	518	51100	17	FT	8" PIPE DOWNSPOUT, INCLUDING SPECIALS		17			
1,991	SPECIAL	51900100	1,991	SF	COMPOSITE FIBER WRAP SYSTEM		1,991			SHEET 19 OF 40
11	519	11101	11	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN		11			SHEET 4 OF 40
640	526	25011	640	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN				640	SHEET 4 OF 40
224	526	90010	224	FT	TYPE A INSTALLATION				224	
2	625	33000	2	EACH	STRUCTURE GROUNDING SYSTEM				2	

3	12/3/25	REVISE QUANTITY

ESTIMATED QUANTITIES
BRIDGE NO. CUY-77-15.62
IR 77 OVER E. 22ND ST.

SFN
1806874

DESIGN AGENCY

E.L. ROBINSON
ENGINEERING

1468 West 9th St. Suite 800
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DESIGNER
MJM

CHECKER
JOL

REVIEWER

RER 07/25/25

PROJECT ID
119380

SUBSET
5

TOTAL
40

SHEET
P.278

TOTAL
365