


SHEET NUM.						PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
88	96	105				01/BRO/BR	EXT	TOTAL				
											LIGHTING CONTINUED	
	50					50	625	25400	50	FT	CONDUIT, 2", 725.04	
	1,820					1,820	625	25600	1,820	FT	CONDUIT, 4", 725.04	
	335					335	625	25910	335	FT	CONDUIT CLEANED AND CABLES REMOVED	
	9					9	625	27520	9	EACH	REMOVAL OF LUMINAIRE AND REERECTION	
	1					1	625	29930	1	EACH	MEDIAN JUNCTION BOX	
	9					9	625	32000	9	EACH	GROUND ROD	
	9					9	625	35010	9	EACH	REMOVE AND REERECT EXISTING LIGHT POLE	
	LS					LS	SPECIAL	62540000	LS		MAINTAIN EXISTING LIGHTING	96
	2					2	625	75500	2	EACH	LIGHT POLE FOUNDATION REMOVED	
	LS					LS	625	98200	LS		LIGHTING, MISC.: REMOVE AND REERECT EXISTING UNDERPASS LIGHTING	96
											STRUCTURE OVER 20 FOOT SPAN (CUY-480-2241)	
		LS				LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	104
	533					533	202	22900	533	SY	APPROACH SLAB REMOVED	
	3,854					3,854	202	23500	3,854	SY	WEARING COURSE REMOVED	
	1,007					1,007	202	32800	1,007	SY	CONCRETE SLOPE PROTECTION REMOVED	104
	190					190	203	20000	190	CY	EMBANKMENT	104
		LS				LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
	495					495	503	21100	495	CY	UNCLASSIFIED EXCAVATION	
	322,776					322,776	509	10000	322,776	LB	EPOXY COATED REINFORCING STEEL	
	8,392					8,392	509	30020	8,392	FT	NO. 4 GFRP DEFORMED BARS	
	7,340					7,340	509	30040	7,340	FT	NO. 6 GFRP DEFORMED BARS	
	424					424	510	10001	424	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	104
	8					8	511	33500	8	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
	1,135					1,135	511	34442	1,135	SY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
	163					163	511	34450	163	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	
	33					33	511	41010	33	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS	
	1,383					1,383	512	10100	1,383	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
	6					6	512	33000	6	SY	TYPE 2 WATERPROOFING	
	646					646	SPECIAL	51271500	646	SY	URETHANE TOP COAT SEALER	104
	10,476					10,476	513	20000	10,476	EACH	WELDED STUD SHEAR CONNECTORS	
	1,231					1,231	514	00050	1,231	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	
	1,231					1,231	514	00056	1,231	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	
	174					174	516	13600	174	SF	1" PREFORMED EXPANSION JOINT FILLER	
	78					78	516	13900	78	SF	2" PREFORMED EXPANSION JOINT FILLER	
	385					385	516	14020	385	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
	42					42	516	14600	42	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.:COMPRESSED FOAM EXPANSION JOINT SEAL	104
	36					36	516	44100	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE)(LOAD PLATE 1'-1" x 1'-4" x 1.5" THICK, NEOPRENE 1'-0" x 1'-3" x 2.498" THICK)	
	LS					LS	516	47000	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE	
	101					101	518	21200	101	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
	292					292	518	40000	292	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
	332					332	518	40012	332	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE	104
	6,680					6,680	SPECIAL	51900100	6,680	SF	COMPOSITE FIBER WRAP SYSTEM	104
	93					93	519	11100	93	SF	PATCHING CONCRETE STRUCTURE	
	818					818	526	25001	818	SY	REINFORCED CONCRETE APPROACH SLABS (T=15"), AS PER PLAN	130-131
	298					298	526	90010	298	FT	TYPE A INSTALLATION	
	1,007					1,007	601	21000	1,007	SY	CONCRETE SLOPE PROTECTION	104
	430					430	625	25400	430	FT	CONDUIT, 2", 725.04	
	124					124	846	00110	124	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
											TRAFFIC CONTROL	
404						404	621	00100	404	EACH	RPM	
404						404	621	54000	404	EACH	RAISED PAVEMENT MARKER REMOVED	
3						3	630	79610	3	EACH	SIGN SUPPORT ASSEMBLY, BARRIER MOUNTED	
6						6	630	81000	6	EACH	MAINLINE REFERENCE MARKER	
4						4	630	84900	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
2						2	630	86002	2	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
5.28						5.28	646	10010	5.28	MILE	EDGE LINE, 6"	
7.92						7.92	646	10110	7.92	MILE	LANE LINE, 6"	
3,852						3,852	646	10310	3,852	FT	CHANNELIZING LINE, 12"	

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 BSB
 REVIEWER
 DEB 02-25-22
 PROJECT ID
 114516
 SHEET TOTAL
 79 133

ESTIMATED QUANTITIES

ITEM	EXT.	TOTAL	UNIT	DESCRIPTION	SUPERSTR.	REAR ABUT.	FWD. ABUT.	PIERS.	GENERAL	REF. SHEET
202	11203		LS	PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN						3/32
202	22900	533	SY	APPROACH SLAB REMOVED					533	
202	23500	3,854	SY	WEARING COURSE REMOVED	3,321				533	
202	32800	1,007	SY	CONCRETE SLOPE PROTECTION REMOVED					1,007	3/32
203	20000	190	CY	EMBANKMENT *					190 *	3/32
503	11100		LS	COFFERDAMS AND EXCAVATION BRACING						
503	21100	495	CY	UNCLASSIFIED EXCAVATION		251	244			
509	10000	322,776	LB	EPOXY COATED REINFORCING STEEL	281,985	15,019	15,019	10,753		
509	30020	8,392	FT	NO. 4 GFRP DEFORMED BARS	8,392					
509	30040	7,340	FT	NO. 6 GFRP DEFORMED BARS	7,340					
510	10001	424	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN				424		3/32
511	33500	8	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE		4	4			
511	34446	1,135	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	1,135					
511	34450	163	CY	CLASS CQ2 CONCRETE WITH QC/QA, BRIDGE DECK (PARAPET)	163					
511	41010	33	CY	CLASS QC1 CONCRETE, PIER ABOVE FOOTINGS				33		
512	10100	1,383	SY	SEALING OF CONCRETE SURFACES (EPOXY URETHANE)	1,187	99	97			
512	33000	6	SY	TYPE 2 WATERPROOFING		3	3			
SPECIAL	51271500	646	SY	URETHANE TOP COAT SEALER				646		3/32
513	20000	10,476	EACH	WELDED STUD SHEAR CONNECTORS	10,476					
514	00050	1,231	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	1,231					
514	00056	1,231	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	1,231					
516	13600	174	SF	1" PREFORMED EXPANSION JOINT FILLER	43				131	
516	13900	78	SF	2" PREFORMED EXPANSION JOINT FILLER		24	23		31	
516	14020	385	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL		193	192			
516	14600	42	FT	STRUCTURAL JOINT OR JOINT SEALER, MISC.: COMPRESSED FOAM EXPANSION JOINT SEAL		10	9		23	3/32
516	44100	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (LOAD PLATE 1'-1" x 1'-4" x 1.5" THICK, NEOPRENE 1'-0" x 1'-3" x 2.498" THICK)		18	18			
516	44100	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE) (LOAD PLATE 1'-5" x 1'-5" x 1.5" THICK, NEOPRENE 1'-4" x 1'-4" x 2.948" THICK)				36		
516	47000		LS	JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE						
518	21200	101	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC		51	50			
518	40000	292	FT	6" PERFORATED CORRUGATED PLASTIC PIPE		146	146			
518	40012	332	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE		26	31		275 *	3/32
SPECIAL	51900100	6,680	SF	COMPOSITE FIBER WRAP SYSTEM				6,680		3/32
519	11100	93	SF	PATCHING CONCRETE STRUCTURE				93		
526	25001	818	SY	REINFORCED CONCRETE APPROACH SLAB (T=15"), AS PER PLAN					818	29-30/32
526	90010	298	FT	TYPE A INSTALLATION					298	
601	21000	1,007	SY	CONCRETE SLOPE PROTECTION					1,007	3/32
625	25400	430	FT	CONDUIT, 2", 725.04					430	
846	00110	124	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM					124	

LEGEND:

* DENOTES ITEM TO BE USED "AS DIRECTED BY THE ENGINEER"

ESTIMATED QUANTITIES
 BRIDGE NO. CUY-480-2241
 I.R. 480 OVER LEE ROAD

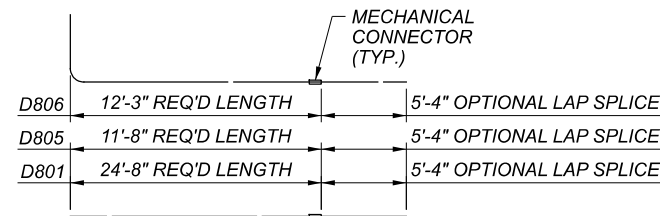
SFN	1813404
DESIGN AGENCY	[BI]
DESIGNER	CDH
CHECKER	IMF
REVIEWER	DEB
DATE	02-25-22
PROJECT ID	114516
SUBSET	TOTAL
4	32
SHEET	TOTAL
105	133

MARK	NUMBER		LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL					A	B	C	D	E	R
ABUTMENT DIAPHRAGM											
D501	548		7'-10"	4477	2	2'-8"	2'-9"	2'-8"			
D502	944		9'-8"	9518	2	3'-3"	3'-5"	3'-3"			
D503	208		7'-8"	1663	2	2'-3"	3'-5"	2'-3"			
D601	80		10'-5"	1252	2	3'-8"	3'-5"	3'-8"			
D801♦	24		24'-0"	1538	STR						
D802	24		18'-1"	1159	STR						
D803	8		21'-5"	457	STR						
D804	16		22'-9"	968	1	1'-6"	21'-5"				
D805♦	16		11'-8"	498	STR						
D806♦	16		13'-7"	577	1	1'-6"	12'-3"				
D807	64		6'-9"	1153	18	4'-0"	1'-5"	1'-5"			
D808♦	72		11'-11"	2291	STR						
D809	8		10'-2"	217	STR						
D810	16		11'-4"	484	1	1'-6"	10'-0"				
D811♦	8		10'-5"	222	STR						
D812	16		23'-4"	997	1	1'-6"	22'-0"				
D813	112		8'-7"	2567	2	2'-8"	3'-8"	2'-8"			
			TOTAL	30038							

MARK	NUMBER		LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL					A	B	C	D	E	R
PIER											
P501	212		7'-6"	1658	3	2'-8"	0'-9"				
P502	424		2'-8"	1179	1	1'-10"	1'-0"				
P1101	48		19'-7"	4994	STR						
P1102	24		22'-11"	2922	STR						
			TOTAL	10753							

MARK	NUMBER		LENGTH	WEIGHT	TYPE	DIMENSIONS					
	TOTAL					A	B	C	D	E	R
DECK											
S401	1176		30'-0"	23567	STR						
S402	168		22'-2"	2488	STR						
S403	1200		21'-0"	16834	STR						
S501	1428		30'-0"	44682	STR						
S502	204		28'-0"	5958	STR						
S503	1696		37'-2"	65744	STR						
S504	1696		36'-5"	64418	STR						
S505	856		8'-10"	7886	16	8'-3"					
S506	856		6'-11"	6175	37	3'-0"	0'-6"	0'-6"	3'-0"		
S507	856		7'-7"	6770	16	7'-0"					
S508	856		5'-8"	5059	37	1'-9"	0'-6"	0'-6"	3'-0"		
S509	1712		6'-0"	10714	STR						
			TOTAL	260295							

MARK	NUMBER		LENGTH	WEIGHT	TOTAL NO. 4 LENGTH	TOTAL NO. 6 LENGTH	TYPE	DIMENSIONS					
	TOTAL							A	B	C	D	E	R
RAILING													
R401*	24		5'-1"		122'-0"		STR						
R402*	24		6'-4"		152'-0"		25	2'-6"	2'-5"	1'-5"	0'-1½"	0'-5"	
R403*	200		10'-0"		2000'-0"		STR						
R404*	16		10'-11"		174'-8"		STR						
R405*	48		13'-3"		636'-0"		STR						
R406*	16		12'-6"		200'-0"		STR						
R407*	132		30'-0"		3960'-0"		STR						
R408*	44		26'-1"		1147'-8"		STR						
R409	21		16'-11"	237			36	1'-0"	1'-0"	3'-4"	1'-7"	4'-7"	
R501	12		24'-5"	306			STR						
R601	16		4'-4"	104			1	1'-0"	3'-6"				
	8 SERIES		4'-4"						3'-6"				
R602	OF		TO	628			1	1'-0"	TO			0'-1"	
	11		5'-2"						4'-4"				
R603	48		7'-8"	553			38	1'-0"	1'-5"	1'-0"	0'-9"	0'-7"	
R604	518		7'-4"	3962			23	0'-11"	3'-3"	3'-0"		0'-3"	
R605	470		7'-2"	5059			38	0'-9"	1'-5"	1'-0"	0'-9"	0'-7"	
R606	772		13'-3"	10669			35	0'-9"	1'-5"	1'-0"	4'-7"	0'-3"	
R607**	16		12'-6"		200'-0"		STR						
R608**	176		30'-0"		5280'-0"		STR						
R609**	152		10'-0"		1520'-0"		STR						
R610**	22		6'-8"		146'-8"		STR						
R611**	22		2'-6"		55'-0"		STR						
R612**	8		5'-0"		40'-0"		STR						
R613**	4		24'-6"		98'-0"		STR						
R614	12		13'-9"	172			35	1'-0"	1'-6"	1'-0"	4'-7"	0'-2"	
			TOTAL	21690	8392'-4"	7339'-8"							



OPTIONAL LAP SPLICE DIAGRAM
 IF ELECTED, ADD THE OPTIONAL LAP SPLICE LENGTH TO THE LENGTH SHOWN IN THE REINFORCING STEEL LIST

LEGEND:

- * DENOTES GFRP BAR TO BE INCLUDED WITH ITEM 509 - NO. 4 GFRP DEFORMED BARS FOR PAYMENT.
- ** DENOTES GFRP BAR TO BE INCLUDED WITH ITEM 509 - NO. 6 GRFP DEFORMED BARS FOR PAYMENT.
- ♦ DENOTES EPOXY COATED REINFORCING STEEL BAR REQUIRING A MECHANICAL CONNECTOR. OPTIONAL LAP SPLICES MAY BE PROVIDED AS SHOWN IN THE OPTIONAL LAP SPLICE DIAGRAM WHERE SPECIFIED IN THE PLANS.

NOTES:

1. THE BAR SIZE IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHERE FOUR ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, S501 IS A NO. 5 BAR. BAR DIMENSIONS SHOWN ARE OUT TO OUT UNLESS OTHERWISE NOTED. R INDICATES INSIDE RADIUS, UNLESS OTHERWISE NOTED.
2. ALL REINFORCING STEEL SHALL BE EPOXY COATED.
3. "STR" IN THE TYPE COLUMN INDICATES STRAIGHT BARS.
4. REFER TO CMS 509.05 FOR STANDARD BEND DIMENSIONS.
5. FOR ADDITIONAL REINFORCING STEEL LISTS AND BAR BENDING DIAGRAMS, SEE SHEET 32/32.

SFN	1813404
DESIGN AGENCY	[BI]
DESIGNER/CHECKER	CDH/IMF
REVIEWER	DEB
PROJECT ID	114516
SUBSET	31
TOTAL	32
SHEET	132
TOTAL	133