SHEET NUM.													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.5	P.8	P.8A	P.12	P.13	P.14	P.15	P.16	P.17	P.25	P.30			01/NHS/BR						
																		TRAFFIC CONTROL	
						66							66	630	03100	66	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
						25							25	630	80100	25	SF	SIGN, FLAT SHEET	
						4							4	630	84900	4	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
						4							4	630	86002	4	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
					0.1								0.1	644	00104	0.1	MILE	EDGE LINE, 6"	
					0.18								0.18	644	00204	0.18	MILE	LANE LINE, 6"	
					0.14								0.14	644	00300	0.14	MILE	CENTER LINE	
					200								200	644	00400	200	FT	CHANNELIZING LINE, 8"	
					14								14	644	00500	14	FT	STOP LINE	
					4								4	644	01300	4	EACH	LANE ARROW	
																		STRUCTURE OVER 20 FOOT SPAN (LUC-120-1132C)	
										LS			LS	202	11003	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	P.30
										232			232	202	22900	232	SY	APPROACH SLAB REMOVED	
										1,014			1,014	202	23500	1,014	SY	WEARING COURSE REMOVED	
										168			168	202	35100	168	FT	PIPE REMOVED, 24" AND UNDER	
										LS			LS	503	11100	LS		COFFERDAMS AND EXCAVATION BRACING	
										~~LS~~			~~LS~~	503	21300	~~LS~~		UNCLASSIFIED EXCAVATION	
										219,664			219,664	509	10000	219,664	LB	EPOXY COATED REINFORCING STEEL	
										2			2	511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	
										499			499	511	34446	499	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK	
										142			142	511	41012	142	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS	
										381			381	511	44112	381	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	
										139			139	511	46512	139	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	
										105			105	511	51512	105	CY	CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK	
										363			363	512	10050	363	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)	
										1,139			1,139	512	10100	1,139	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
										27			27	515	15070	27	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF36-49 (L = 54'-10")	
										21			21	515	20000	21	EACH	INTERMEDIATE DIAPHRAGMS	
										37			37	516	13600	37	SF	1" PREFORMED EXPANSION JOINT FILLER	
										259			259	516	13900	259	SF	2" PREFORMED EXPANSION JOINT FILLER	
										190			190	516	14020	190	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
										36			36	516	44100	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), (BR: 12"x18"x2.50", LP: 13"x19"x0.75")	
										18			18	516	44100	18	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), (BR: 12"x18"x2.50", LP: 13"x19"x1.50")	
										436			435	517	75121	435	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING) AS PER PLAN	P.30
										260			260	518	21200	260	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
										234			234	518	40000	234	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
										80			80	518	40011	80	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	P.30
										163			163	524	94704	163	FT	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK	
										119			119	524	94802	119	FT	DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK	
										248			248	524	94804	248	FT	DRILLED SHAFTS, 42" DIAMETER, INTO BEDROCK	
										157			157	524	94902	157	FT	DRILLED SHAFTS, 48" DIAMETER, ABOVE BEDROCK	
										441			441	526	25010	441	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")	
										166			166	526	90010	166	FT	TYPE A INSTALLATION	
										15			15	SPECIAL	53000400	15	EACH	STRUCTURES - MISC.: WATERLINE SUPPORT	P.30
										2,176			2,176	SPECIAL	53000600	2,176	SF	STRUCTURES - MISC.: FORMLINER	P.30
										252			252	601	32204	252	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC	
										33			33	846	00110	33	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
																		MAINTENANCE OF TRAFFIC	
		40											40	614	11110	40	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
	LS												LS	614	12421	LS		DETOUR SIGNING, AS PER PLAN	P.8
	5												5	614	12500	5	EACH	REPLACEMENT SIGN, AS PER PLAN	P.8
	30												30	614	18601	30	SNMT	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	P.8
																		INCIDENTALS	
													LS	108	30000	LS		CPM PROGRESS SCHEDULE SHORT DURATION PROJECTS	
	LS												LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

LUC-120-11.32

DESIGN AGENCY
TRC

DESIGNER
VVG

REVIEWER
WAA 02-09-22

PROJECT ID
102940

SHEET P.11 TOTAL 85

ITEM 517 - RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING), AS PER PLAN

SHOP DRAWINGS:

IN ADDITION TO THE REQUIREMENTS OF 501 AND THE REQUIREMENTS IN THESE NOTES, SUBMIT FOR REVIEW AND ACCEPTANCE, THREE (3) COPIES OF SHOP DRAWINGS, UNLESS ADDITIONAL COPIES ARE REQUESTED. DO NOT BEGIN FABRICATION UNTIL WRITTEN ACCEPTANCE OF THE SUBMITTED DRAWINGS HAS BEEN RECEIVED.

SELECT A FABRICATOR FROM THE PRE-QUALIFIED FABRICATORS LIST IN EFFECT AT THE DATE OF THE CONTRACT LETTING. SELECT A FABRICATOR THAT IS AT LEAST PRE-QUALIFIED AT LEVEL UF. BEFORE OR AT THE PRECONSTRUCTION CONFERENCE, PROVIDE A WRITTEN NOTIFICATION TO THE DISTRICT CONSTRUCTION ENGINEER AND OFFICE OF MATERIALS MANAGEMENT OF THE SELECTED FABRICATORS.

SUBMIT SHOP DRAWINGS PER 501.04, 501.04B AND 501.04C AND PER THE REQUIREMENTS IN THESE NOTES. PREPARE THE SHOP DRAWINGS BY OR UNDER DIRECT SUPERVISORY CONTROL OF AN OHIO REGISTERED PROFESSIONAL ENGINEER HAVING PERSONAL KNOWLEDGE OF AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND ITEMS 513 AND 517. THE REGISTERED ENGINEER SHALL SIGN , SEAL AND DATE EACH DRAWING. HAVE QUESTIONS AND COMMENTS ADDRESSED BEFORE SUBMITTING THE SHOP DRAWINGS.

COATING:

GALVANIZE RAILING COMPONENTS IN ACCORDANCE WITH CMS 711.02. AFTER REMOVING HIGH SPOTS, THE GALVANIZED COATING SHALL BE CLEANED PER SSPC-SP1. THE CLEANING SOLUTION SHALL BE AN ALKALINE SOLUTION WITH A PH RANGING FROM A MINIMUM OF 11 TO A MAXIMUM OF 12. THIS SOLUTION CAN BE APPLIED BY IMMERSION, SPRAY OF SOFT NYLON BRUSH. FOLLOWING CLEANING WITH A HOT WATER OR HOT PRESSURE WASHER RINSE. INDIVIDUAL PIECES SHALL BE SEPARATED AND POSITIONED TO FACILITATE DRAINAGE AND DRYING. THE PIECES SHALL BE COMPLETELY DRY BEFORE PROCEEDING.

AFTER CLEANING, THE PIECES SHALL BE ABRASIVE BLASTED PER SSPC-SP7 BRUSH-OFF BLAST CLEANING. THE BLASTING OPERATION SHALL ROUGHEN THE GALVANIZED SURFACE TO AN ANGULAR SURFACE PROFILE OF 0.25 TO 0.50 MILS. THE BLASTING EQUIPMENT, TECHNIQUE AND ABRASIVE MATERIAL SHALL BE SELECTED TO PROVIDE FOR THE SPECIFIED SURFACE PROFILE WITHOUT REMOVAL OF ZING LAYERS. THE FINAL ZINC MILAGE SHALL NOT BE LESS THAN 3.0 MILS. ALL ABRASIVE RESIDUE SHALL BE REMOVED WITH CLEAN COMPRESSED AIR OF OTHER METHODS ACCEPTABLE TO THE DEPARTMENT.

AFTER OBTAINING AN ACCEPTABLE SURFACE PROFILE, SHOP APPLY A TWO (2) COAT PAINT SYSTEM CONSISTING OF EPOXY INTERMEDIATE COAT AND A URETHANE FINISH COAT MEETING THE REQUIREMENTS OF CMS 514. THE FINISH COAT SHALL MATCH FEDERAL COLOR STANDARD NO. 595-27038 (BLACK).

THE EPOXY INTERMEDIATE COATING SHALL BE APPLIED WITHIN 24 HOURS OF THE BRUSH OFF BLASTING. THE COATINGS SHALL BE APPLIED PER CMS 514 EXCEPT THAT THE REQUIREMENTS FOR SURFACE PREPARATION AND PRIMING SHALL NOT BE PERFORMED. THE COATING SHALL BE SHOP APPLIED AS SPECIFIED IN THESE NOTES WITHOUT THE WORK LIMITATIONS SPECIFIED IN CMS 514. FIELD REPAIRS AND TOUCH UPS SHALL FOLLOW WORK LIMITATIONS SPECIFIED PER CMS 514 AND BE AS DIRECTED BY THE ENGINEER.

THE RAILING SHALL BE INSULATED FROM BINDING CHAINS DURING TRANSPORTATION BY THE USE OF SOFTENERS AND ALL HOOKS AND SLINGS THAT ARE USED TO HOIST/ERECT THE STEEL MEMBERS SHALL BE PADDED. THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PAINT SYSTEM CAUSED DURING STORAGE, TRANSPORTATION AND ERECTION PER CMS 514.22.

METHOD OR MEASUREMENT:

THE DEPARTMENT WILL MEASURE THE RAILING BY THE NUMBER OF FEET OF RAILING FROM THE ENDS OF EACH TRANSITION.

BASIS OF PAYMENT:

ALL MATERIALS AND LABOR TO INSTALL THE CONCRETE ANCHORS, CONCRETE, INCLUDING THE REINFORCING STEEL, SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE RAILING.

THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 517 RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING), AS PER PLAN, PER FOOT.

GENERAL NOTES
BRIDGE NO. LUC-120-1132C
OVER THE OTTAWA RIVER

SFN 4804930

DESIGN AGENCY TRC

DESIGNER	CHECKER
HM	CMH

REVIEWER CEJ 02/2022

PROJECT ID 102940

SUBSET	TOTAL
3	43

SHEET	TOTAL
P.-30	85

ESTIMATED QUANTITIES (01/NHS/BR)

ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SEE SHEET
202	11003	LS		STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN					2
202	22900	232	SY	APPROACH SLAB REMOVED				232	
202	23500	1014	SY	WEARING COURSE REMOVED			1014		
202	35100	168	FT	PIPE REMOVED, 24" AND UNDER			168		
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING					
503	21300	LS		UNCLASSIFIED EXCAVATION					
509	10000	219,664	LB	EPOXY COATED REINFORCING STEEL	41,699	38,547	139,418		
511	33500	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE	2				
511	34446	499	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK			499		
511	41012	142	CY	CLASS QC1 CONCRETE WITH QC/QA, PIER ABOVE FOOTINGS		142			
511	44112	381	CY	CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT NOT INCLUDING FOOTING	381				
511	46512	139	CY	CLASS QC1 CONCRETE WITH QC/QA, FOOTING	139				
511	51512	105	CY	CLASS QC2 CONCRETE WITH QC/QA, SIDEWALK			105		
512	10050	363	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)			363		
512	10100	1139	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	274	201	664		
515	15070	27	EACH	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE WF36-49 (L = 54'-10")			27		
515	20000	21	EACH	INTERMEDIATE DIAPHRAGMS			21		
516	13600	37	SF	1" PREFORMED EXPANSION JOINT FILLER			37		
516	13900	259	SF	2" PREFORMED EXPANSION JOINT FILLER			105	154	
516	14020	190	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	190				
516	44100	18	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), (BR: 12"x18"x2.50", LP: 13"x19"x1.50")	18				20
516	44100	36	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), (BR: 12"x18"x2.50", LP: 13"x19"x0.75")		36			21
517	75121	435	FT	RAILING (CONCRETE PARAPET WITH TWIN STEEL TUBE RAILING), AS PER PLAN			435		3, 38, 38A
518	21200	260	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	260				
518	40000	234	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	234				
518	40011	80	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	80				9
524	94704	163	FT	DRILLED SHAFTS, 36" DIAMETER, INTO BEDROCK		163			
524	94802	119	FT	DRILLED SHAFTS, 42" DIAMETER, ABOVE BEDROCK		119			
524	94804	248	FT	DRILLED SHAFTS, 42" DIAMETER, INTO BEDROCK	248				
524	94902	157	FT	DRILLED SHAFTS, 48" DIAMETER, ABOVE BEDROCK	157				
526	25010	441	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15")				441	
526	90010	166	FT	TYPE A INSTALLATION				166	
SPECIAL	53000400	15	EACH	STRUCTURES - MISC.: WATERLINE SUPPORT			15		33
SPECIAL	53000600	2,176	SF	STRUCTURES - MISC.: FORMLINER			2176		2
601	32204	252	CY	ROCK CHANNEL PROTECTION, TYPE C WITH GEOTEXTILE FABRIC				252	
846	00110	33	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM				33	

ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS HAVE BEEN USED THROUGHOUT THESE PLANS TO INDICATE THE DESIGNATIONS CONTAINED IN THE LEGEND BELOW:

ABUT. - ABUTMENT
ADT - AVERAGE DAILY TRAFFIC
ADTT - AVERAGE DAILY TRUCK TRAFFIC
ALT. - ALTERNATE
APPROX. - APPROXIMATE
ASTM - AMERICAN SOCIETY OF TESTING AND MATERIALS
B.F. - BACK FACE
BOT. - BOTTOM
BRG. - BEARING
□ - CENTERLINE
C/C - CENTER TO CENTER
CIP - CAST-IN-PLACE
C.J. - CONSTRUCTION JOINT
CLR. - CLEARANCE
CMS - CONSTRUCTION AND MATERIAL SPECIFICATIONS
CONST. - CONSTRUCTION
DIA./ϕ - DIAMETER
DIM. - DIMENSION
DWG. - DRAWING
E.F. - EACH FACE
E/P - EDGE OF PAVEMENT
E/S - EDGE OF SHOULDER
EL. - ELEVATION
EQ. - EQUAL
EX. - EXISTING
EXP. - EXPANSION
F.A. - FORWARD ABUTMENT
F.F. - FRONT FACE
F/F - FACE TO FACE
FTG. - FOOTING
FT/FT - FOOT PER FOOT
FWD. - FORWARD
HORIZ. - HORIZONTAL
I - INTERSTATE ROUTE
JT. - JOINT
LT. - LEFT
MAX. - MAXIMUM
MIN. - MINIMUM
MOT - MAINTENANCE OF TRAFFIC
NB - NORTHBOUND
NO. - NUMBER
N.C.P.P. - NON-PERFORATED CORRUGATED PLASTIC PIPE
O/O - OUT TO OUT
OHWM - ORDINARY HIGH WATER MARK
P.C.P.P - PERFORATED CORRUGATED PLASTIC PIPE
P.E.J.F. - PREFORMED EXPANSION JOINT FILLER
PROP. - PROPOSED
R.A. - REAR ABUTMENT
RT. - RIGHT
R/W - RIGHT OF WAY
SB - SOUTHBOUND
SER. - SERIES OF
SPA. - SPACES OR SPACING
STA. - STATION
STD. - STANDARD
STR. - STRAIGHT
TEMP. - TEMPORARY
T/T - TOE TO TOE
TYP. - TYPICAL
VERT. - VERTICAL

ESTIMATED QUANTITIES
BRIDGE NO. LUC-120-1132C
OVER THE OTTAWA RIVER

SFN 4804930
DESIGN AGENCY TRC
DESIGNER HM | CHECKER CMH
REVIEWER CEJ 02/2022
PROJECT ID 102940
SUBSET 4 | TOTAL 43
SHEET P.•31 | TOTAL 85

LUC-120-11.32

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC
SUPERSTRUCTURE											
S401	416	40'-0"	11116	STR							
S402	104	16'-6"	1146	STR							
S403	34	28'-6"	647	STR							
S404	227	10'-9"	1630	STR							
S405	976	2'-3"	1467	2	0'-8"	1'-1"	0'-8"				
S406	227	5'-9"	872	STR							
*S407	105	5'-1"	357	3	0'-6"	1'-10"					
S408	106	13'-3"	938	6	2'-4"	3'-4"	2'-4"				
*S409	42	4'-5"	124	3	0'-6"	1'-6"					
S410	32	8'-1"	173	3	2'-4"	1'-6"					
S411	6	8'-9"	35	6	2'-4"	1'-1"	2'-4"				
S412	36	4'-0"	96	STR							
S501	301	45'-8"	14337	STR							
S502	40	45'-6"	1898	STR							
	4 SR	1'-9"									
S503	OF	TO	2642	STR							1'-8"
	27	45'-2"									
S504	301	36'-4"	11407	STR							
	2 SR	4'-3"									
S505	OF	TO	850	STR							1'-8 ¼"
	20	36'-6"									
S506	4	46'-5"	194	STR							
S507	4	36'-10"	154	STR							
S508	696	7'-5"	5384	16	6'-10"						
S509	301	44'-3"	13892	STR							
S510	40	44'-5"	1853	STR							
S512	301	37'-9"	11851	STR							
	2 SR	5'-7"									
S513	OF	TO	900	STR							1'-8 ¼"
	20	37'-7"									
S514	444	40'-0"	18524	STR							
S515	111	19'-2"	2219	STR							
S516	220	21'-7"	4953	STR							
S517	106	8'-5"	931	2	2'-5"	3'-10"	2'-5"				
S518	192	9'-9"	1952	2	2'-10"	4'-4"	2'-10"				
S519	10	6'-5"	67	2	1'-2"	4'-4"	1'-2"				
S520	12	5'-11"	74	2	1'-2"	3'-10"	1'-2"				
S521	12	5'-9"	72	2	0'-10"	4'-4"	0'-10"				
S522	36	12'-4"	463	3	4'-4"	1'-6"					
S523	20	5'-1"	106	2	0'-6"	4'-4"	0'-6"				
S524	32	1'-1"	36	STR							
S525	10	4'-1"	43	2	1'-0"	2'-4"	1'-0"				
S526	4	6'-3"	26	2	1'-10"	2'-10"	1'-10"				
S601	344	21'-7"	11152	STR							
S602	24	8'-8"	312	2	3'-6"	2'-0"	3'-6"				
*S603	84	8'-4"	1051	STR							
*S604	84	6'-9"	852	19	5'-8"	1'-0"	0'-6"				
S605	36	5'-1"	275	STR							
S606	56	8'-8"	729	STR							
S607	28	7'-4"	308	STR							
S608	128	5'-10"	1121	1	1'-0"	5'-0"					
S609	8	2'-6"	30	STR							

MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC
SUPERSTRUCTURE											
S610	4	2'-5"	15	STR							
S611	8	3'-1"	37	STR							
S612	4	1'-10"	11	STR							
S801	28	40'-0"	2990	STR							
S802	12	12'-10"	411	STR							
S803	16	34'-6"	1474	STR							
S804	14	36'-8"	1371	STR							
S805	14	15'-9"	589	STR							
S806	16	5'-1"	217	STR							
S807	28	8'-8"	648	STR							
S808	12	6'-3"	200	STR							
S809	14	8'-2"	305	2	1'-4"	5'-11"	1'-4"				
S810	8	1'-9"	37	STR							
S811	4	1'-3"	13	STR							
S812	24	3'-10"	246	2	1'-4"	1'-2"	1'-9"				
S813	8	3'-1"	66	STR							
S814	4	1'-8"	18	STR							
S815	8	4'-9"	101	18	3'-3"	0'-6"	0'-6"				
S820	4	19'-9"	211	STR							
S821	6	25'-2"	403	STR							
S823	2	16'-4"	87	STR							
*DG601	10	13'-9"	207	3	2'-9"	3'-8 ½"					
*DG801	14	13'-8"	511	5	2'-8"	3'-7"	2'-4"				
D801	54	4'-11"	709	18	2'-9"	1'-0"	1'-0"				
		SUB-TOTAL	139,418								

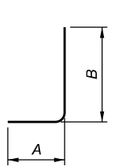
MARK	NUMBER TOTAL	LENGTH	WEIGHT	TYPE	DIMENSIONS A	B	C	D	E	R	INC
RAILING											
* R501	56	6'-2"	360	STR							
* R502	32	8'-11"	298	STR							
* R503	16	24'-8"	412	STR							
* R504	64	12'-6"	834	30	1'-6"	0'-8"	4'-9"	4'-7"			
* R505	570	7'-10"	4657	30	1'-6"	0'-8"	2'-5"	2'-3"			
* R506	16	4'-3"	71	STR							
* R507	48	12'-4"	617	STR							
* R508	40	35'-11"	1498	STR							
* R509	104	6'-0"	651	STR							
		SUB-TOTAL	* 9,398								

LEGEND:

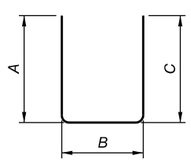
* - FOR INFORMATION ONLY. REBAR WEIGHT IS NOT INCLUDED IN THE SUBTOTAL.

NOTES:

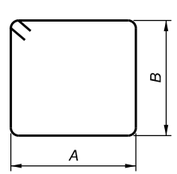
1. THE BAR SIZE NUMBER IS SPECIFIED ON THE PLANS IN THE BAR MARK COLUMN. THE FIRST DIGIT WHERE THREE DIGITS ARE USED, AND THE FIRST TWO DIGITS WHERE FOUR ARE USED, INDICATES THE BAR SIZE NUMBER. FOR EXAMPLE, P601 IS A NO. 6 BAR. BAR DIMENSIONS SHOWN ARE OUT TO OUT UNLESS OTHERWISE NOTED.
2. ALL REINFORCING STEEL TO BE EPOXY COATED.



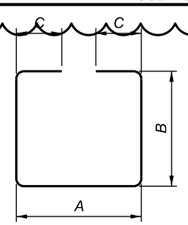
TYPE-1



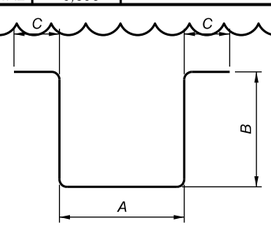
TYPE-2



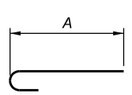
TYPE-3



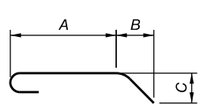
TYPE-5



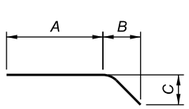
TYPE-6



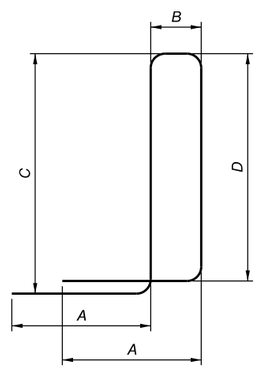
TYPE-16



TYPE-18



TYPE-19



TYPE-30

REINFORCING STEEL LIST
BRIDGE NO. LUC-120-1132C
OVER THE OTTAWA RIVER

SFN 4804930
DESIGN AGENCY TRC
DESIGNER HM | CHECKER CMH
REVIEWER CEJ 02/2022
PROJECT ID 102940
SUBSET 43 | TOTAL 43
SHEET P. 70 | TOTAL 85

LUC-120-11.32