	SHEET NUM. 28 29 30 57 58 63 01/											ART. BR 02/CMQ/0	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET	CALCULATED AKB CHECKED MWZ
	28	29 40	30	57	58	63					40	T T	301	EXT 46000	TOTAL 40	CY	PAVEMENT (CONTINUED)  ASPHALT CONCRETE BASE, PG64-22	NO.	<u> </u>
																			1
	294	346									485	155	304	20000	640	CY	AGGREGATE BASE		-
	379	243									521	101	407	20000	622	GAL	NON-TRACKING TACK COAT		-
$\bigcirc$ 8	103	71 99									145 234	29 41	441	50000 50200	174 275	CY CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22 ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, (448)		<u> </u>
) maen	266	319									585		452	13010	585	SY	9" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC 1P		
C	, , , , , , , , , , , , , , , , , , ,		25								25		609	24510	25	FT	CURB, TYPE 4-C		-
Z			748								748		609	26000	748	FT	CURB, TYPE 6		1
4.5°C																	TRAFFIC CONTROL		-
=				118							118		621	00100	118	EACH	RPM		<u> </u>
		21		80							80 21		621 626	54000 00110	80 21	EACH EACH	RAISED PAVEMENT MARKER REMOVED BARRIER REFLECTOR, TYPE 2, BIDIRECTIONAL		<b>&gt;</b>
/8/																			4 H
+					216.5 28						216.5 28		630 630	03100 08004	216.5 28		GROUND MOUNTED SUPPORT, NO. 3 POST ONE WAY SUPPORT, NO. 3 POST		UMMA
0 0 2					6						6		630	08600	6	EACH	SIGN POST REFLECTOR		Σ
<i>∨</i>					100.5 25						100.5 25		630 630	80100 84900	100.5 25	SF EACH	SIGN, FLAT SHEET REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL		 S ∩
7	,				5						5		630	85100	5	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION		"
009					21						21		630	86002	21	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL		AL
318				0.35							0.35	-	642	00100	0.35	MILE	EDGE LINE, 4", TYPE 1, WHITE		X
ĵ G				0.15							0.15		642	00300	0.15	MILE	CENTER LINE, TYPE 1, 4", DOUBLE SOLID, YELLOW		N
(v. + 0				62 4							62		642 642	00400 01300	62 4		CHANNELIZING LINE, 8", TYPE 1, WHITE  LANE ARROW, TYPE 1		
G C	5										·								<u></u> 5
2	5			0.07							0.07		644 644	00104 00104	0.07 0.09		EDGE LINE, 6", WHITE  EDGE LINE, 6", YELLOW		-
ţ				0.54							0.54		644	00200	0.54		LANE LINE, 4", WHITE		
28				266							266		644	00400	266	FT	CHANNELIZING LINE, 8", WHITE		
	5			33 112							33 112		644 644	00500 00600	33 112	FT FT	STOP LINE CROSSWALK LINE		1
) 				2							2		644	01300	2	EACH	LANE ARROW		<u> </u>
<u> </u>				0.11							0.11		646	10000	0.11	MILE	EDGE LINE, 4", WHITE		}
ZAD				0.06							0.06		646	10200	0.06		CENTER LINE, 4", DOUBLE SOLID, YELLOW		]
-918/00						LS					LS		202	11203	LS		STRUCTURE REPAIR (WAR-48-1154) PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	60	<u> </u>
- H						134					134		202	22900	134	SY	APPROACH SLAB REMOVED	00	1
( ) = = = = = = = = = = = = = = = = = =						1.5					1.5		E07	11100	1.0		COFFERDANC AND EVENIATION PRACING		-
	<u></u>					LS LS					LS LS		503 503	11100 21300	LS LS		COFFERDAMS AND EXCAVATION BRACING UNCLASSIFIED EXCAVATION		
9						171.004					110.04	10.154	500	10000	171.004		CDAVY GOATED DENICODANA CTEE		
	2					131,994 100					119,84	12,154	509 509	10000 20001	131,994 100		REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN	61	
<u>.</u> E						4,393					4,393		509	30020	4,393	FT	NO. 4 GFRP DEFORMED BARS		<u> </u>
						150					150		510	10001	150	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	61	54
7 7						2					2		511	33501	2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	61	<b>+</b> +
2.5						39 93					39 93		511 511	45712 53014	39 93		CLASS QC1 CONCRETE WITH QC/QA, ABUTMENT CLASS QC3 CONCRETE, MISC.:PARAPET CONCRETE WITH QC/QA, AS PER PLAN	61	∵ _
0 84-8						114					93	114	511	53014	114		CLASS QC3 CONCRETE, MISC.: FARAFET CONCRETE WITH QC/QA, AS PER PLAN	61	48 RT
± 1						370					370		511	53014	370	CY	CLASS QC3 CONCRETÉ, MISC.:SUPERSTRUCTURE CONCRETE WITH QC/QA, AS PER PLAN	61	J · ◀ l
0816						530						530	512	10050	530	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		AR
O /						1,053					1,053		512	10100	1,053	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)		$\geqslant$
	<b>-</b>					121 13					121 13		512 512	10600 33000	121 13	FT SY	CONCRETE REPAIR BY EPOXY INJECTION  TYPE 2 WATERPROOFING		-
2+5	Ś					151					151		512	74000	151	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES		]
+ C	<u> </u>					3,276					3,276		513	10201	3 <b>,</b> 276	LB	STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN	78	26
7 C 						2,628					2,628		513	20000	2,628		WELDED STUD SHEAR CONNECTORS	10	26
<u>ه</u> :						1					1		513	95000	1	FT	STRUCTURAL STEEL, MISC.:REPAIR OF DAMAGED MAIN MEMBER, COMPLETE PENETRATION WELDING	61	

					SHEET NUM.			RT.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEL SHEE
8	9	10	11	12	63		01/S>2/BF	T		EXT	TOTAL			NO
													STRUCTURE REPAIR (WAR-48-1154) (CONTINUED)	
					2,805		2,805		514	00050	2,805	SF	SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL	6
					2,805		2,805		514	00056	2,805	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT	6
					2,868		2,868		514	00060	2,868		FIELD PAINTING STRUCTURAL STEEL, INTERMEDIATE COAT	
					2,868 8		2,868		514 514	00066 00504	2,868 8	SF MNHR	FIELD PAINTING STRUCTURAL STEEL, FINISH COAT	
					3		3		514	10000	3		GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL FINAL INSPECTION REPAIR	
					LS		LS		514	21001	LS	EAUT	FIELD PAINTING OF DAMAGED STRUCTURAL STEEL, AS PER PLAN	+
							LJ		314	21001	LJ		TILLUT AINTING OF DAMAGED STRUCTURAL STELL, AS TEN TEAN	
					107		107		516	10000	107	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL	
					18		18		516	13600	18	SF	1" PREFORMED EXPANSION JOINT FILLER	
					158 107		158 107		516 516	13900 14020	158 107	SF FT	2" PREFORMED EXPANSION JOINT FILLER SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
					101		101		070		101			
					12		12		516	44401	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	7
					18		18		516	44401	18	EACH	(11.5"X16"x3.75" PAD WITH 12.5"x17"x1.25" PLATE)  ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN	7
													(12"X19"x3.75" PAD WITH 13"x20"x1.25" PLATE)	
					LS		LS		516	47001	LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN	6.
					110		110		518	21200	110	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	
					172		172		518	40000	172	FT	6" PERFORATED CORRUGATED PLASTIC PIPE	
					65		65		518	40010	65	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	
					22		22		519	11101	22	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	6
					256		256		526	25011	256		REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN	$-\frac{\delta}{\epsilon}$
					107		107		526	90010	107	FT	TYPE A INSTALLATION	
					94		94		SPECIAL	53000600	94	SF	STRUCTURES - FORM LINER	6
					412		412		601	20000	412	SY	CRUSHED AGGREGATE SLOPE PROTECTION	
					242		242		607	39910	242	FT	VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC	
					285		285		607	39930	285	FT	VANDAL PROTECTION FENCE, 12' CURVED, COATED FABRIC	
					45		45		846	00110	45	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
					LS		LS		849	10000	LS		DAMAGE ASSESSMENT	
					LS		LS		849	10500	LS		SURFACE PREPARATION	
					27		27		849	10600	27	HOUR	REPAIRING DAMAGED MEMBERS BY GRINDING	
					LS		LS		849	10700	LS		STRAIGHTENING DAMAGED MEMBERS	
													MAINTENANCE OF TRAFFIC	
6							6		410	11000	6	CY	TRAFFIC COMPACTED SURFACE, TYPE B	
		1,000					1,000		614	11110	1,000	HOUR	LAW ENFORCEMENT OFFICER WITH PATROL CAR FOR ASSISTANCE	
		431					431		614	11630	431	FT	INCREASED BARRIER DELINEATION	
		431	12				12		614	12380	12	EACH	WORK ZONE IMPACT ATTENUATOR, 24" WIDE HAZARDS, (UNIDIRECTIONAL)	
			12	LS			LS		614	12420	LS	LACIT	DETOUR SIGNING	
	125			LJ			125		614	12600	125	EACH	REPLACEMENT DRUM	
10							10		614	13000	10	CY	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC	
10		72			<del>                                     </del>	<del>                                     </del>	72		614	13310	72		BARRIER REFLECTOR, TYPE 1, ONE WAY	
		15			<del>                                     </del>	<del>                                     </del>	15		614	13314	15	EACH	BARRIER REFLECTOR, TYPE 3, ONE WAY	1
		55					55		614	13350	55		OBJECT MARKER, ONE WAY	
		20					20		614	18601	20		PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN	10
	0.24						0.24		614	20010	0.24	MILE	WORK ZONE LANE LINE, CLASS I, 6", (WHITE)	
	0.27		0.6				0.6		614	22000	0.6	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (WHITE)	
			0.9				0.9		614	22000	0.9	MILE	WORK ZONE EDGE LINE, CLASS I, 4", (YELLOW)	
			1,409				1,409		614	23000	1,409	FT	WORK ZONE CHANNELIZING LINE, CLASS I, 8", (WHITE)	
			3,350				3,350		614 614	24000 30000	3,350		WORK ZONE DOTTED LINE, CLASS I, (WHITE)  WORK ZONE ARROW, CLASS I	
			3				3		014	30000	3	EALH	WORN ZONE ARROW, CLASS I	
	LS						LS		615	10000	LS		ROADS FOR MAINTAINING TRAFFIC	3
			755				755		615	20000	755	SY	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A	
4	14						18		616	10000	18		WATER	
			2,998				2,998		622	41100	2,998	FT	PORTABLE BARRIER, UNANCHORED	
													INCIDENTALS	
							LS LS		614 623	11000 10000	LS		MAINTAINING TRAFFIC CONSTRUCTION LAYOUT STAKES AND SURVEYING	
LS	<del>                                     </del>								よりる	· (0)(0)(0)(0)	LS	1	TOTANS I PUTTITANT LA VALUE STAKES AND STIPLEVINA	

### ITEM 516 - JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER PLAN:

THIS WORK CONSISTS OF RAISING OR RE-POSITIONING EXISTING STRUCTURES TO THE DIMENSIONS AND REQUIREMENTS DEFINED IN THE PROJECT PLANS, SUBMIT CONSTRUCTION PLANS IN ACCORDANCE WITH C&MS 501.05.

IF, DURING THE JACKING OPERATIONS, DAMAGE TO THE STEEL GIRDERS AND CROSS FRAMES IS VISUALLY OBSERVED, IMMEDIATELY CEASE THE JACKING OPERATION AND INSTALL SUPPORTS TO THE SATISFACTION OF THE ENGINEER. ANALYZE THE DAMAGE AND SUBMIT A METHOD OF CORRECTION TO THE ENGINEER FOR APPROVAL. THE DEPARTMENT WILL NOT PAY FOR THE COST OF THIS REPAIR. THE BRIDGE BEARINGS SHALL BE FULLY SEATED AT ALL CONTACT AREAS. IF FULL SEATING IS NOT ATTAINED, SUBMIT A REPAIR PLAN TO THE ENGINEER. THE DEPARTMENT WILL NOT PAY FOR THE REPAIR COSTS TO ENSURE FULL SEATING ON BEARINGS.

DURING JACKING OPERATIONS THE BEAMS SHALL BE RAISED CONCURRENTLY AT EACH SUBSTRUCTURE UNIT. RAISING BEAMS DIFFERENTIALLY AT THE SUBSTRUCTURE UNITS WILL NOT BE ALLOWED. PROVIDE TEMPORARY LATERAL BRACING FOR THE BEAMS DURING JACKING AND SUPPORT OF THE EXISTING BEAMS UNTIL ABUTMENT DIAPHRAGMS ARE IN PLACE.

THE DEPARTMENT WILL MEASURE THIS WORK ON A LUMP SUM BASIS.

THE DEPARTMENT WILL PAY FOR THE ACCEPTED QUANTITIES AT THE CONTRACT PRICE FOR ITEM 516, JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE, AS PER

### ITEM 518 - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN:

PAYMENT FOR ALL ITEMS SHOWN FOR PIPE TERMINATION ARE INCLUDED WITH ITEM 518

### PROPOSED WORK:

- CONVERT EXISTING ABUTMENTS TO SEMI-INTEGRAL.
- REPLACE EXISTING ABUTMENT BEARINGS WITH ELASTOMERIC BEARINGS.
- REPLACE EXISTING PARAPETS WITH NEW SINGLE SLOPE DEFLECTOR PARAPETS.
- PATCH CONCRETE SURFACES PER ITEM 519.
- EPOXY INJECT SUBSTRUCTURE CRACKS PER ITEM 512.
- SEAL SUPERSTRUCTURE AND ABUTMENTS WITH EPOXY-URETHANE.
- REPLACE EXISTING APPROACH SLABS.

### ITEM 530 - SPECIAL - FORM LINER

### DESCRIPTION:

THIS ITEM SHALL INCLUDE MATERIALS, LABOR, TOOLS EQUIPMENT AND INCIDENTALS NECESSARY TO INCORPORATE DECORATIVE FORM LINER TO THE EXTERIOR FACE OF THE AESTHETIC HAUNCH AT THE ABUTMENTS AS SHOWN ON STRUCTURES SHEET 15 / 34.

THE ADDITIONAL THICKNESS OF THE DEOCRATIVE FORM LINER SHALL BE ADDED TO THE EXTERIOR FACE OF THE CONCRETE SURFACE. THE INCORPORATION OF THIS FORM LINER SHALL NOT RESULT IN ANY REDUCTION TO THE PROPOSED THICKNESS OF THE AESTHETIC HAUNCH AT THE ABUTMENT.

ACCEPTABLE FORM LINER MANUFACTURERS INCLUDE CUSTOMROCK FORM LINER, WWW.CUSTOMROCK.COM PHONE: 1-800-637-2447 OR APPROVED EQUAL.

ACCEPTABLE FORM LINER PATTERNS INCLUDE PATTERN #210 FRACTURED RIB - 3/4" DEEP 1.5" OC OR APPROVED EQUAL.

# - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE. ANIMAL GUARD 4'x4' TIED CONCRETE BLOCK SLOPE 0.01 MAT, TYPE 1 GROUTED PER CMS 601.11. TOP TO BE FLUSH

ITEM 604, PRECAST REINFORCED CONCRETÉ OUTLET. SEE STD. HYDRAULIC CONSTRUCTION DRAWING DM-1.1 FOR

ADDITIONAL NOTED AND DETAILS.

## ITEM 519 - PATCHING CONCRETE STRUCTURE, AS PER PLAN:

WITH SURFACE OF SLOPE.

PRIOR TO THE SURFACE CLEANING SPECIFIED IN 519.04 AND WITHIN 24 HOURS OF PLACING PATCHING MATERIAL, BLAST CLEAN ALL SURFACES TO BE PATCHED INCLUDING THE EXPOSED REINFORCING STEEL. ACCEPTABLE METHODS INCLUDE HIGH -PRESSURE WATER BLASTING WITH OR WITHOUT ABRASIVES IN THE WATER, ABRASIVE BLASTING WITH CONTAINMENT, OR VACUUM ABRASIVE BLASTING.

### ABBREVIATIONS:

- ABUTMENT ABUT. APPR. - APPROACH BOT. - BOTTOM - BEARING BRG.

BTA- BRIDGE TERMINAL ASSEMBLY

- CENTERLINE C/C - CENTER-TO-CENTER

- CLEAR CLR.

C.J. - CONSTRUCTION JOINT

CONST. - CONSTRUCTION DIA. - DIAMETER DND - DO NOT DISTURB EA. - EACH

ELEV. - ELEVATION - EACH FACE E.F. - ESTIMATED EST. - EQUAL EQ. EX. - EXISTING EXP. - EXPANSION

- FORWARD ABUTMENT F.A.

F.S. - FAR SIDE - INCREMENT INC. MAX.- MAXIMUM - MINIMUM MIN. NO. - NUMBER - NEAR SIDE N.S.

NPCPP - NON-PERFORATED CORRUGATED PLASTIC PIPE

0/0 - OUT-TO-OUT

PCPP- PERFORATED CORRUGATED PLASTIC PIPE PEJF - PREFORMED EXPANSION JOINT FILLER

- PLATE PROP. - PROPOSED R.A.- REAR ABUTMENT R.F. - RIGHT FORWARD - RIGHT OF WAY R/WSER. - SERIES SPA. - SPACES STA. - STATION TBR - TO BE REMOVED T/ - TOE OF T/T- TOE-TO-TOE TYP.- TYPICAL - WITH

W/

≥



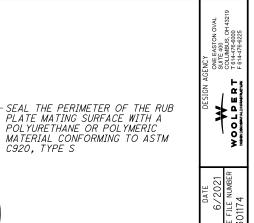
						ESTIMATED QUANTITIES		CALC BY: CHECK BY:		DATE: DATE:	2/24/202 6/27/202
TEM	EXT		02/CMQ/OT	TOTAL	UNIT	DESCRIPTION	ABUT.	PIERS	SUPER.	GEN.	SHEET
202	11203	LS		LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN				LS	2/34
202	22900	134		134	SY	APPROACH SLAB REMOVED				134	
503	11100	LS		LS		COFFERDAMS AND EXCAVATION BRACING				LS	
503	21300	LS		LS		UNCLASSIFIED EXCAVATION				LS	
509	10000	119840	12154	131,994		EPOXY COATED REINFORCING STEEL	13057		118937		
509	20001	100		100		REINFORCING STEEL, REPLACEMENT OF EXISTING REINFORCING STEEL, AS PER PLAN				100	3/34
509	30020	4,393		4,393	FT	NO. 4 GFRP DEFORMED BARS			4,393		
510	10001	150		150	EACH	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS PER PLAN	150				3/34
310	10001	130		130	EAUT	DOWEL HOLES WITH NONSHRINK, NONMETALLIC GROUT, AS FER FLAN	130				3/34
511	33501	2		2	EACH	SEMI-INTEGRAL DIAPHRAGM GUIDE, AS PER PLAN	2				3/34
511	45712	39		39	CY	CLASS QCI CONCRETE WITH QC/QA, ABUTMENT	39				
511	53014	370		370		CLASS QC3 CONCRETE, MISC.: SUPERSTRUCTURE CONCRETE WITH QC/QA, AS PER PLAN			370		3/34
511	53014	93		93		CLASS QC3 CONCRETE, MISC.: PARAPET CONCRETE WITH QC/QA, AS PER PLAN		1	77	16	3/34
511	53014		114	114	CY	CLASS QC3 CONCRETE, MISC.: SIDEWALK CONCRETE WITH QC/QA, AS PER PLAN			94	20	3/34
512	10050		530	530	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)			437	93	
512	10100	1,053	330	1,053		SEALING OF CONCRETE SURFACES (NON-EFOXT)  SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	121	151	609	33	
512	10600	121		121		CONCRETE REPAIR BY EPOXY INJECTION	101	20			
512	33000	13		13	SY	TYPE 2 WATERPROOFING	13				
512	74000	151		151	SY	REMOVAL OF EXISTING COATINGS FROM CONCRETE SURFACES	6	145			
C17	10001	7.070		7 070	1.5	CTDUCTUDAL CTEEL NEWDEDG LEVEL HE AC DED DIAN		7 070			00.774
513 513	10201 20000	3,276 2,628		3,276 2,628		STRUCTURAL STEEL MEMBERS, LEVEL UF, AS PER PLAN WELDED STUD SHEAR CONNECTORS		3,276	2,628		20/34
513 513	95000	2,020		2,020 1		STRUCTURAL STEEL MISC.: REPAIR OF DAMAGED MAIN MEMBER, COMPLETE PENETRATION WELDING			2,020		3/34
5,5	55000	,		'		OTHER STEEL MISSER HEI AIR OF DAMINGED MAIN MEMBERS, COMPLETE FERENCATION MEEDING			'		37.37
514	00050	2,805		2,805		SURFACE PREPARATION OF EXISTING STRUCTURAL STEEL			2,805		3/34
514	00056	2,805		2,805	SF	FIELD PAINTING OF EXISTING STRUCTURAL STEEL, PRIME COAT			2,805		3/34
514	00060	2,868		2,868	SF	FIELD PAINTING OF STRUCTURAL STEEL, INTERMEDIATE COAT			2,868		
514	00066	2,868		2 <b>,</b> 868	SF	FIELD PAINTING OF STRUCTURAL STEEL, FINISH COAT			2,868		
514	00504	8 3		8		GRINDING FINS, TEARS, SLIVERS ON EXISTING STRUCTURAL STEEL			8		
514 514	10000 21001	LS		3 LS		FINAL INSPECTION REPAIR FIELD PAINTING OF EXISTING DAMAGED STRUCTURAL STEEL, AS PER PLAN			LS		3/34
011	21001	25		LJ		TILLE TAINTING OF EXISTING DAMMAGED STRUCTORIAL STEEL, AS FER FEAR			LJ		3734
516	10000	107		107	FT	PREFORMED ELASTOMERIC COMPRESSION JOINT SEAL	107				
516	13600	18		18		1" PREFORMED EXPANSION JOINT FILLER			18		
516	13900	158		158		2" PREFORMED EXPANSION JOINT FILLER	158				
516	14020	107		107		SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	107				10 /7 4
516 516	44401 44401	12 18		12 18		ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (11.5"X16"x3.75" PAD WITH 12.5"x17"x1.25" PLATE) ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (12"X19"x3.75" PAD WITH 13"x20"x1.25" PLATE)	12	18			19/34 20/34
516	47001	LS		LS		JACKING AND TEMPORARY SUPPORT OF SUPERSTRUCTURE. AS PER PLAN		10		LS	4/34
5,5	11001			LJ		STANDARD FEW CHART SOLITON OF SUPERIORISOTORE, AS FER FEAT				1 23	17.57
518	21200	110		110		POROUS BACKFILL WITH GEOTEXTILE FABRIC	110				
518	40000	172		172		6" PERFORATED CORRUGATED PLASTIC PIPE	172				
518	40010	65		65	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS	65				
F10	11101	22		22	СГ	DATCHING CONCRETE STRUCTURE AS DED DI AN	1.4	0			4/34
519	IIIUI	22		22	SF	PATCHING CONCRETE STRUCTURE, AS PER PLAN	14	8			4/34
526	25011	256		256	SY	REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=15"), AS PER PLAN				256	3/34
<i>526</i>	90010	107		107		TYPE A INSTALLATION				107	5.5,
<i>SPECIAL</i>	53000600	94		94	SF	STRUCTURES - FORM LINER	94				4/34
601	20000	412		412	SY	CRUSHED AGGREGATE SLOPE PROTECTION				412	
007	70010	0.40		0.40		WANDAL PROTECTION SCHOOL OF CITATION CONTROL CANTED SAFEYS			0.40		
607 607	39910 39930	242 285		242 285		VANDAL PROTECTION FENCE, 8' STRAIGHT, COATED FABRIC  VANDAL PROTECTION FENCE, 12' CURVED, COATED FABRIC			242 285		
007	J33JU	200		200	F1	VANUAL INVILLITON FENCE, IZ CONVED, COATED FADRIC			200		
846	00110	45		45	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		+		45	
										<u> </u>	
849	10000	LS		LS		DAMAGE ASSESSMENT			LS		
849	10500	LS		LS		SURFACE PREPARATION			LS		
849	10600	27		27		REPAIRING DAMAGED MEMBERS BY GRINDING		-	27		
849	10700	LS		LS		STRAIGHTENING DAMAGED MEMBERS			LS		
						1			1		1

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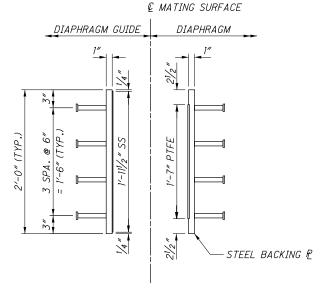
 $\bigcirc$ 



DIAPHRAGM GUIDE DETAILS
BRIDGE NO. WAR-48-1154
LE CREEK-UNION RD. (TR-77) OVER

WAR-48-11.54 PART 1 PID No. 100816

5-DG601 -2" POLYSTYRENE (TYP.) - *© BRG. ABUTMENT* PLATE -3'-41/8"± 3'-47/8"±/ € EX. BEAM € EX. BEAM

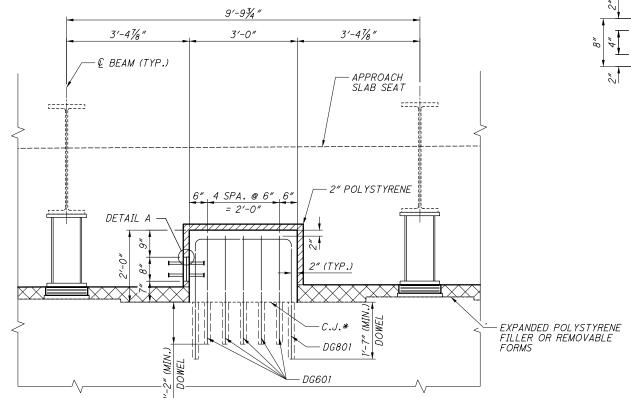


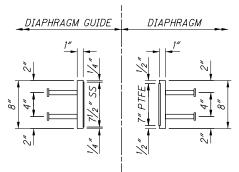
DETAIL A

# TOP VIEW

MATING SURFACE

## DIAPHRAGM GUIDE PLAN





## END VIEW

## RUB PLATE DETAILS

SS = STAINLESS STEEL PTFE = POLYTETRAFLUORETHYLENE

(PLACE DG601 AND DG801 DOWELS TO AVOID INTERFERENCE WITH EXISTING BEAM SEAT REINFORCEMENT)

DIAPHRAGM GUIDE ELEVATION

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## LEGEND:

\* THOROUGHLY ROUGHEN THE EXISTING SURFACE PER C&MS 511.09.B

DOWEL ROD

## NOTES:

- 1. SEE SHEET 10/34 FOR REAR ABUTMENT PLAN AND ELEVATION.
- 2. SEE SHEET 11/34 FOR FORWARD ABUTMENT PLAN AND ELEVATION.
- 3. SEE SCD SICD-2-14 FOR ADDITIONAL DIAPHRAGM GUIDE DETAILS.

