ITEM#	DESCRIPTION				UNIT	QUANTITY
202E11002	STRUCTURE REMO	OVED, OVER	20 FOOT SPAN	V	1	LS
202E22900	APPROACH SLAB	REMOVED			107	SY
202E23500	WEARING COURSE	REMOVED			364	SY
503E11101	COFFERDAMS AND				1	LS
503E21320	UNCLASSIFIED EX				1	LS
507E00301	STEEL PILES HP14			PLAN	880	FT
507E92201	PREBORED HOLES				484	FT
509E10000	EPOXY COATED S			CTDUCTURE AC RED DI ANI	34641	LB
511E31613 511E44112				STRUCTURE, AS PER PLAN ENT NOT INCLUDING FOOTING	66 155	CY
511E46512		169	CY			
512E10100	CLASS QC1 CONCRETE WITH QC/QA, FOOTING SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)					SY
512E33000	TYPE 2 WATERPROOFING					SY
515E12070	PRESTRESSED CONCRETE COMPOSITE BOX BEAM BRIDGE MEMBERS, LEVEL 1, CB27-48 (66'-0 3/4")					EACH
516E13600	PRESI RESSID COINCRETE COMPUSITE BUX BEAW BRIDGE WEWIBERS, LEVEL 1, CB27-46 (00-0 3/4) 1" PREFORMED EXPANSION JOINT FILLER					SF
516E13900	2" PREFORMED EX				122 34	SF
516E14020	SEMI-INTEGRAL A	BUTMENT EX	PANSION JOIN	NT SEAL	92	FT
516E41100	1/8" PREFORMED E	BEARING PAD	D. TYPE CDP		18	EACH
516E44100				MINATES AND LOAD PLATE (NEOPRENE), (8" X 12" X 2 1/16")	36	EACH
517E70100	RAILING (THREE S				148	FT
518E20000	PREFABRICATED (1	42	SY
518E21200	POROUS BACKFILI			С	93	CY
518E22300	SPECIAL - STEEL D		EXTILE FAUIT	-	126	FT
518E40000	6" PERFORATED C		DI ASTIC DIDI		190	FT
					60	FT
518E40010 526E30010				C PIPE, INCLUDING SPECIALS WITH QC/QA (T=17")	240	SY
			RUACH SLABS	WITH QC/QA (T=17)		
526E90010	TYPE A INSTALLAT		TVDE B MIT:	OFOTEVIII E FARRIC	77	FT
601E32104				GEOTEXTILE FABRIC	204	CY
613E41300	LOW STRENGTH N)	110	CY
625E33000	STRUCTURE GROU	אווטאנע פאו	I ⊏(VI		1	EACH
202E11002	STRUCTURE REMO	OVED OVED	20 EOOT CDAN	M	T 1	LS
	LINIT COCT.	05.00				
	UNIT COST:	35.00 \$100,000.00		~round up to 100,000 for part width removal		
				~round up to 100,000 for part width removal		
202E22900	COST:	\$100,000.00 1.00	·	~round up to 100,000 for part width removal	l 107	İsy
202E22900	COST:	\$100,000.00 1.00	·	~round up to 100,000 for part width removal	107	SY
202E22900	TOTAL:	\$100,000.00 1.00 REMOVED	LS	~round up to 100,000 for part width removal	107	<u> </u> SY
202E22900	COST: TOTAL: APPROACH SLAB COUNT:	\$100,000.00 1.00 REMOVED	LS	~round up to 100,000 for part width removal	107	SY
202E22900	COST: TOTAL: APPROACH SLAB COUNT: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00	LS EACH FT		107	SY
202E22900	COST: TOTAL: APPROACH SLAB COUNT:	\$100,000.00 1.00 REMOVED	LS	~round up to 100,000 for part width removal 2 EACH x 32 FT x 15 FT / 9 SY/SF	107	SY
202E22900	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00	EACH FT FT		107	SY
202E22900	COST: TOTAL: APPROACH SLAB COUNT: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00	LS EACH FT		107	SY
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7	EACH FT FT			
202E22900 202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7	EACH FT FT		107	SY
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSE	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7	EACH FT FT			
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS!	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7	EACH FT FT SY			
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! DECK: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED	EACH FT FT SY			
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! DECK: LENGTH: WIDTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00	EACH FT FT SY			
	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! DECK: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED	EACH FT FT SY			
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! LENGTH: WIDTH: AREA:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00	EACH FT FT SY			
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSI DECK: LENGTH: WIDTH: AREA: APPROACH SLABS:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46	EACH FT FT SY			
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSI LENGTH: WIDTH: AREA: APPROACH SLABS: COUNT:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46	EACH FT FT SY			
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSI LENGTH: WIDTH: AREA: APPROACH SLABS: COUNT: LENGTH: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46	EACH FT FT SY EACH FT	2 EACH x 32 FT x 15 FT / 9 SY/SF		
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! LENGTH: WIDTH: AREA: COUNT: LENGTH: WIDTH: WIDTH: LENGTH: WIDTH: WIDTH: COUNT: LENGTH: WIDTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46 2.00 15.00 32.00	EACH FT FT SY FT			
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSI LENGTH: WIDTH: AREA: APPROACH SLABS: COUNT: LENGTH: LENGTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46	EACH FT FT SY EACH FT	2 EACH x 32 FT x 15 FT / 9 SY/SF		
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSE LENGTH: WIDTH: AREA: APPROACH SLABS: COUNT: LENGTH: WIDTH: AREA: APPROACH SLABS:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46 2.00 15.00 32.00 106.67	EACH FT FT SY EACH FT FT SY	2 EACH x 32 FT x 15 FT / 9 SY/SF		
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! LENGTH: WIDTH: AREA: COUNT: LENGTH: WIDTH: WIDTH: LENGTH: WIDTH: WIDTH: COUNT: LENGTH: WIDTH:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46 2.00 15.00 32.00	EACH FT FT SY FT	2 EACH x 32 FT x 15 FT / 9 SY/SF		
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURS! LENGTH: WIDTH: APPROACH SLABS: COUNT: LENGTH: WIDTH: AREA: TOTAL:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46 2.00 15.00 32.00 106.67	EACH FT FT SY EACH FT FT SY SY SY	2 EACH x 32 FT x 15 FT / 9 SY/SF	364	SY
202E23500	COST: TOTAL: APPROACH SLAB COUNT: LENGTH: WIDTH: TOTAL: WEARING COURSE LENGTH: WIDTH: AREA: APPROACH SLABS: COUNT: LENGTH: WIDTH: AREA: APPROACH SLABS:	\$100,000.00 1.00 REMOVED 2.00 15.00 32.00 106.7 E REMOVED 72.13 32.00 256.46 2.00 15.00 32.00 106.67	EACH FT FT SY EACH FT FT SY SY SY	2 EACH x 32 FT x 15 FT / 9 SY/SF		

Job: 2023.03013

503E21320	UNCLASSIFIED EX	CAVATION,	NCLUDING ROC	K	1	LS
	RA (INC. WW's):					
	LENGTH:	81.33	FT			
	WIDTH:	10.00	FT			
	DEPTH:	3.00	FT	~average existing channel ground line to bottom of footing		
	VOLUME:	90.37	CY			
	FA (INC. WW'S):					
	LENGTH:	81.33	FT			
	WIDTH:	10.00	FT			
	DEPTH:	9.50	FT	~average existing ground line to bottom of footing between front and back of ftg.		
	VOLUME:	286.16	CY			
	TOTAL:	376.53	CY	at ~\$75/CY		
	TOTAL COST:	\$ 30,000.0	00			
					_	
507E00301	STEEL PILES HP14	X73, FURNIS	SHED, AS PER PL	LAN	880	FT
	FOOTINGS:					
	R.A:	22	EACH			
	F.A:	22	EACH			
	TOTAL:	44.00	EACH			
	LENGTH:	20	FT	~11.16 & 13.19' round up to 15' + 5'		
	TOTAL	880.00	FT			
507E92201	PREBORED HOLES	S. AS PER PL	_AN		484	FT
00.2020.		,				
	FOOTINGS:					
	R.A:	22	EACH			
	F.A:	22	EACH			
	TOTAL:	44.00	EACH			
				_		
	TOTAL	484.00	FT			
509E10000	EPOXY COATED ST	TEEL REINF	ORCEMENT		34641	LB
	DECK & DIAPHRAG	ews.				
	DECK:	11136.00	LB	~ See plans		
	A DUTMENTS.					
	<u>ABUTMENTS:</u> ABUT.:	23505.00	LB	~ See plans		
	ABUT.:	23303.00	LB	Oce plane		
	TOTAL:	34641	LB			
	-					

SJF DATE: 05/28/2025			SCI-125-06260		JOD. 2023.030
			STRUCTURE QUANTITES		
511E31613 CLASS QC2 CON	ICRETE WITH	QC/QA, SUPERS	STRUCTURE, AS PER PLAN	66	CY
DECK:					
LENGTH:	68.20	FT	~out to out of slab		
WIDTH:	36.00	FT			
DEPTH:	0.60	FT	~6" deck w/ 1.25" additional haunch consideration		
VOLUME:	54.94	CU YD	68.2 FT x 36 FT x 0.6 FT x 1CU YD/27CU FT		
<u>END DIAPHRAGI</u> COUNT:		EACH			
LENGTH:		FT	~length of diaphragm		
AVG. HEIGHT		FT	~height of box beams		
WIDTH:		FT			
VOLUME:	9.67	CU YD	2 EACH x 38.66 FT x 2.25 FT x 1.5 FT x 1 CU YD / 27 CU FT		
COUNT	2	EACH	notion outputing post adge of beam		
LENGTH:		FT	~portion extending past edge of beam		
AVG. HEIGHT		FT	~height of beam + deck + 1.75"		
WIDTH:		FT	<u> </u>		
VOLUME:	1.03	CU YD			
TOTAL:	66	CY			
					
1E44112 CLASS QC1 CON	CRETE WITH	QC/QA, ABUTM	ENT NOT INCLUDING FOOTING	155	CY
BEAM SEAT:					
F.A.					
ROADWAY ELEVATION @ PGL					
EL. BEAM SEAT TOP OF FOOTING:					
LENGTH:		FT			
WIDTH:		FT			
AVG. HEIGHT		FT			
VOLUME:	36.55	CU YD	41.9 FT x 3 FT x 7.85 FT x 1 CU YD / 27 CU FT		
<u>R.A.</u>					
ROADWAY ELEVATION @ PGL:	659.60				
EL. BEAM SEAT					
TOP OF FOOTING:					
LENGTH: WIDTH:		FT FT			
AVG. HEIGHT		FT			
VOLUME		CU YD	41.9 FT x 3 FT x 9.3 FT x 1 CU YD / 27 CU FT		
ADUTHENT TOTAL VOLUME	70.04	011.1/5			
ABUTMENT TOTAL VOLUME:	79.84	CU YD			
WINGWALLS:					
NW:					
TOP (FLAT) LENGTH: TAPER LENGTH:		FT FT			
TOP OF WW. HEIGHT		FT			
TURNBACK LENGTH		FT			
TURNBACK HEIGHT		FT			
WIDTH: VOLUME:	2.50 17.5	CU YD	<u>—</u>		
VOLUME	17.5	COTD			
<u>sw:</u>					
TOP (FLAT) LENGTH:		FT			
TAPER LENGTH: TOP OF WW. HEIGHT		FT FT			
TURNBACK LENGTH		FT			
TURNBACK HEIGHT		FT			
WIDTH:	2.50	FT			
VOLUME:	21.5	CU YD			
NE:					
TOP (FLAT) LENGTH:		FT			
TAPER LENGTH		FT			
TOP OF WW. HEIGHT		FT			
TURNBACK LENGTH: TURNBACK HEIGHT		FT FT			
WIDTH:	2.50	FT			
VOLUME:		CU YD			
<u>SE:</u>					
TOP (FLAT) LENGTH:		FT			
TAPER LENGTH	15.60	FT			
TOP OF WW. HEIGHT		FT			
TURNBACK LENGTH: TURNBACK HEIGHT		FT FT			
WIDTH:		FT			
VOLUME		CU YD			

WINGWALL TOTAL:

74.82

CU YD

SLAB & EXTERIOR	REAMS		
COUNT:	2.00	EACH	~beam count
PERIMETER:	3.35	FT	~height of box beam + 6" slab + 1.25" haunch + 6" underneath beam
LENGTH:	62.90	FT	~face to face of abutment wall
TOTAL:	15.61	SY	
ABUTMENTS:			
RA EXPOSED HT:	8.00	SF	~beam seat to top of footing, 654.74 - 647.5 = 7.3, round to 8'
FA EXPOSED HT:	6.00	FT	~beam seat to top of footing, 653.61 - 648 = 5.61, round to 6'
LENGTH:	41.80	FT	
AREA:	65.02	SY	
WINGWALLS:			
F.A:	695	SF	~area measured in CAD of front face + turnback areas + WW top/backside(2.5' top and 6" on backside) - area covered by
R.A:	711	SF	
WINGWALL AREA:	156.12	SY	
NW:			
FRONT FACE AREA:	136.00	SF	
WW LENGTH:	14.33	FT	~from edge of beam seat to start turnback
BURIED HEIGHT:	2.15	FT	~from edge of beam sear to start tumback ~top of soil - top of footing = 647.5 - 645.35
FRONTFACE EXPOSED AREA:	105.2	SF	136 SF - 14.33 FT x 2.15 FT
PRONTFACE EXPOSED AREA.	103.2	JI.	130 SF - 14.35 FT X Z.13 FT
AREA:	39.75	SF	~turnback exposed face based on soil elevations
TURNBACK EXPOSED AREA:	39.75	SF	
LENGTH:	19.67	FT	~back face length
HEIGHT:	0.50	FT	~back face exposed height
BACKFACE EXPOSED AREA:	9.8	SF	
TOP LENGTH:	22.33	FT	
TOP AREA:	55.8	SF	
NW AREA:	210.6	SF	
SW:			
FRONT FACE AREA:	182.00	SF	
WW LENGTH: BURIED HEIGHT:	17.33	FT	~from edge of beam seat to start turnback
FRONTFACE EXPOSED AREA:	2.15 144.7	FT SF	~top of soil - top of footing = 647.5 - 645.35 182 SF - 17.33 FT x 2.15 FT
AREA:	36.50	SF	aturnhook exposed foce based on sail claustions
TURNBACK EXPOSED AREA:	36.50	SF SF	~turnback exposed face based on soil elevations
LENGTH:	23.60	FT	~back face length
HEIGHT:	0.50	FT	~back face exposed height
BACKFACE EXPOSED AREA:	11.8	SF	
TOP LENGTH:	25.33	FT	
TOP AREA:	63.3	SF	
WW LENGTH:	14.34	FT	~from edge of beam seat to start turnback
BURIED HEIGHT:	2.75	FT	-top of soil - top of footing = 648.0 - 645.25
FRONTFACE EXPOSED AREA:	86.6	SF	126 SF - 14.34 FT x 2.75 FT
AREA:	28.50	SF	~turnback exposed face based on soil elevations
TURNBACK EXPOSED AREA:	28.50	SF	<u> </u>
LENGTH:	20.60	FT	~back face length
HEIGHT:	0.50	FT	~back face exposed height
BACKFACE EXPOSED AREA:	10.3	SF	<u> </u>
TOP LENGTH:	22.34	FT	
TOP AREA:	55.9	SF	
NE AREA:	181.2	SF	\neg
AILEA			

			STRUCTURE QUANTITES		
<u>SE:</u> FRONT FACE AREA:	160.00	SF			
WW LENGTH:	17.33	FT	~from edge of beam seat to start turnback		
BURIED HEIGHT: FRONTFACE EXPOSED AREA:	2.75 112.3	FT SF			
TRONTI AGE EXI GOLD AREA.	112.3				
AREA:	28.50 28.50	SF SF	∼turnback exposed face based on soil elevations		
LENGTH: HEIGHT:	22.67 0.50	FT FT	~back face length ~back face exposed height		
BACKFACE EXPOSED AREA:	11.3	SF	Saak lade oxpecca height		
TOP LENGTH:	22.30	FT			
TOP AREA:	55.8	SF	_		
SE AREA:	207.9	SF	٦		
<u></u>			_		
WINGWALL TOTAL:	95.1	SY			
TOTAL:	176	SY			
512E33000 TYPE 2 WATERPRO	OFING			31	SY
512E33000 TIPE 2 WATERPRO	OFING			31	31
SLAB & EXTERIOR		ET			
R.A. LENGTH: F.A. LENGTH:	45.56 45.46	FT FT			
WIDTH:	3.00	FT	_		
TOTAL:	30.3	SY			
515E12070 PRESTRESSED COI	NCRETE CO	OMPOSITE BOX BE	AM BRIDGE MEMBERS, LEVEL 1, CB27-48 (66'-0 3/4")	9	EACH
BEAMS:					
COUNT:	9.00	EACH	~beam count		
TOTAL:	9.00	EACH	٦		
TOTAL	0.00	LAGIT			
516E13600 1" PREFORMED EX	PANSION J	OINT FILLER		122	SF
COUNT:	4.00	EACH			
HEIGHT:	1.42	EACH	~approach slab height		
WIDTH:	0.50	FT	~approach slab overlap		
COUNT:	4.00	EACH			
HEIGHT:	9.28 3.19	EACH FT	~avg. abutment height (beam seat to top of ftg.) ~abutment width		
WIDTH:			_		
TOTAL:	121	SF			
				34	SF
TOTAL:	PANSION J	OINT FILLER	act side face of diaphragm/shutment joint	34	SF
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT:	4.00 3.17	EACH FT	~at side face of diaphragm/abutment joint ~diaphragm ht.	34	SF
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J	EACH		34	SF
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT:	4.00 3.17	EACH FT	~diaphragm ht.	34	SF
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL:	4.00 3.17 2.66	EACH FT FT SF	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint		
TOTAL: 516E13900 2" PREFORMED EX COUNT: HEIGHT: WIDTH:	4.00 3.17 2.66	EACH FT FT SF	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	SF
TOTAL: 516E13900 2" PREFORMED EX COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH:	4.00 3.17 2.66 34 BUTMENT E	EACH FT FT SF EXPANSION JOINT S	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint		
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB	4.00 3.17 2.66 34 BUTMENT E	EACH FT FT SF	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint		
TOTAL: 516E13900 2" PREFORMED EX COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH:	4.00 3.17 2.66 34 BUTMENT E	EACH FT FT SF EXPANSION JOINT S	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint		
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL:	4.00 3.17 2.66 34 BUTMENT E 46 46	EACH EACH EXPANSION JOINT S EACH EACH EACH	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	FT .
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH:	4.00 3.17 2.66 34 BUTMENT E 46 46	EACH EACH EXPANSION JOINT S EACH EACH EACH	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint		
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL:	4.00 3.17 2.66 34 34 34 34 34 36 46 92 46 92	EACH EACH EXPANSION JOINT S EACH EACH EACH	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	FT .
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 1/8" PREFORMED B	4.00 3.17 2.66 34 BUTMENT E 46 46 92	EACH EACH EACH EXPANSION JOINT S EACH EACH EACH AD, TYPE CDP	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	FT .
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 1/8" PREFORMED B COUNT:	4.00 3.17 2.66 34 34 34 34 34 36 46 92 46 92	EACH EACH EACH EACH EACH EACH EACH EACH	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	FT .
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 1/8" PREFORMED B COUNT: #BEAMS: TOTAL:	4.00 3.17 2.66 34 SUTMENT E 46 46 92 SEARING PA	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint SEAL	92	FT EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 1/8" PREFORMED B COUNT: #BEAMS: TOTAL:	4.00 3.17 2.66 34 SUTMENT E 46 46 92 SEARING PA	EACH EACH EACH EACH EACH EACH EACH EACH	∼diaphragm ht. _~length along skew at side face of diaphragm/abutment joint	92	FT .
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 516E41100 1/8" PREFORMED B COUNT: # BEAMS: TOTAL: 516E44100 ELASTOMERIC BEAR REAR ABUT:	4.00 3.17 2.66 34 BUTMENT E 46 46 92 EARING PA 2 9 18 ARING WITH	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint SEAL	92	FT EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: FA, LENGTH: TOTAL: 516E41100 1/8" PREFORMED B COUNT: # BEAMS: TOTAL:	2 9 18 ARING WITH	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16)	92	FT EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 516E41100 1/8" PREFORMED B COUNT: # BEAMS: TOTAL: 516E44100 ELASTOMERIC BEAR REAR ABUT:	4.00 3.17 2.66 34 BUTMENT E 46 46 92 EARING PA 2 9 18 ARING WITH	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16)	92	FT EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT: HEIGHT: WIDTH: TOTAL: 516E14020 SEMI-INTEGRAL AB RA, LENGTH: FA, LENGTH: TOTAL: 516E41100 1/8" PREFORMED B COUNT: # BEAMS: TOTAL: 516E44100 ELASTOMERIC BEA REAR ABUT: FWD ABUT:	### PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 BEARING PA 2 9 18 ARING WITH 18 18 36	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16)	18	EACH EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	### PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 BEARING PA 2 9 18 ARING WITH 18 18 36	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16)	92	FT EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	2 9 18 ARING WITH 18 18 36 FEEL TUBE 2	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16) ~2-3" elastomeric bearing assemly at abutments	18	EACH EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 EARING PA 18 18 18 36	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16)	18	EACH EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	2 9 18 ARING WITH 18 18 36 FEEL TUBE 2	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16) ~2-3" elastomeric bearing assemly at abutments	18	EACH EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 SUTMENT E 46 46 92 SEARING PA 2 9 18 ARING WITH 18 18 36 TEEL TUBE 2 74.0	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16) ~2-3" elastomeric bearing assemly at abutments	92 18 36	EACH FT
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 SUTMENT E 46 46 92 SEARING PA 2 9 18 ARING WITH 18 18 36 TEEL TUBE 2 74.0	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16) ~2-3" elastomeric bearing assemly at abutments	18	EACH EACH
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 EEARING PA 18 18 18 36 EEEL TUBE 2 74.0 148 BEOCOMPO	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint SEAL	92 18 36	EACH FT
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 BEARING PA 18 18 36 FEEL TUBE 2 74.0 148 BEOCOMPO	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint BEAL ATES AND LOAD PLATE (NEOPRENE), (8 X 12 X 2 1/16) ~2-3" elastomeric bearing assemly at abutments	92 18 36	EACH FT
TOTAL: 516E13900 2" PREFORMED EXI COUNT:	PANSION J 4.00 3.17 2.66 34 BUTMENT E 46 46 92 EEARING PA 18 18 18 36 EEEL TUBE 2 74.0 148 BEOCOMPO	EACH EACH EACH EACH EACH EACH EACH EACH	~diaphragm ht. ~length along skew at side face of diaphragm/abutment joint SEAL	92 18 36	EACH FT

518E21200 POROUS BACKFILL WITH GEOTEXTILE FABRIC 93 END DIAPHRAGMS: DEPTH: 3.00 FT ~2' depth on top of LSM fill for 38' + 1:1 tapers on either side WIDTH: 2.00 FT LENGTH: 48.20 ~length between start of wingwall downslopes, measured in CAD VOLUME: 0.00 CY F.A.: DEPTH: ~forward abutment, top of roadway el - app slab - top of footing el = (656.82-1.42) - (642.25+3.5) WIDTH: 2.00 FT LENGTH ~beam seat length VOLUME: CY WINGWALLS: NW: TOP (FLAT) LENGTH: 1.74 FT TAPER LENGTH: 12.60 FT TOP OF WW. HEIGHT 10.27 FT ~wingwall heights - 1'-6" TURNBACK LENGTH: 8.00 FT TURNBACK HEIGHT: 5.15 FT ~wingwall heights - 1'-6" WIDTH: 2.50 CU YD 14.46 SW: TOP (FLAT) LENGTH: 2.50 TAPER LENGTH: 14.80 FT TOP OF WW. HEIGHT 11.65 FT ~wingwall heights - 1'-6" TURNBACK LENGTH: 8.00 TURNBACK HEIGHT: WIDTH: 5.15 FT ~wingwall heights - 1'-6" 2.50 VOLUME: CU YD NE: TOP (FLAT) LENGTH: 2.50 TAPER LENGTH: 12.00 FT TOP OF WW. HEIGHT 8.91 FT ~wingwall heights - 1'-6" 8.00 TURNBACK LENGTH: FT TURNBACK HEIGHT: 4.75 FT ~wingwall heights - 1'-6" WIDTH 2.50 VOLUME: 13.17 CU YD SE: TOP (FLAT) LENGTH: 1.74 VOLUME: 16.43 CU YD TOTAL: 92.0 CY 518E22300 SPECIAL - STEEL DRIP STRIP 126 FT LENGTH: 62.87 ~f/f diaphragm COUNT TOTAL 126 EACH 518E40000 6" PERFORATED CORRUGATED PLASTIC PIPE 190 FT R.A. LENGTH: F.A. LENGTH: ~total length of abutment + 2' TOTAL: 190 FT 518E40010 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS 60 FT R.A. LENGTH: 30.00 F.A. LENGTH: FT TOTAL: 60 526E30010 REINFORCED CONCRETE APPROACH SLABS WITH QC/QA (T=17") 240 COUNT: 2.00 EACH LENGTH: 30.00 FT WIDTH TOTAL: 240 SY 526E90010 TYPE A INSTALLATION 77 FT COUNT: 2.00 EACH WIDTH: FT TOTAL 77 FT

BY: BWJ DATE: 1/13/2025 AMERICAN STRUCTUREPOINT, Inc. Job: 2023.03013 CHK: SJF DATE: 05/28/2025

SCI-125-06260 STRUCTURE QUANTITES

601E32104 ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC 204 CY ABUTMENTS: R.A AREA: F.A. AREA: 1100.00 1100.00 SF THICKNESS: 2.50 FT TOTAL: 204 CY 613E41300 LOW STRENGTH MORTAR BACKFILL (TYPE 2) 110 CY RA: ROADWAY ELEVATION: BOTTOM OF FOOTING: 657.90 641.85 APPROACH SLAB HEIGHT: LENGTH: 17.00 40.0 5.7 IN FT ~existing abutment length ~area between existing abutment (to remain) and new abutment backwall ~top of roadway - top of footing - 1.42 ft roadway/approach slab depth - 2' porous backfill WIDTH: FT DEPTH: TOTAL: 110.00 CY 625E33000 STRUCTURE GROUNDING SYSTEM EACH 1

> TOTAL: EACH