Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC **Date** 8/9/18

Checked By TMR

Date 8/28/18

cc 0/20/10

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Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC **Date** 8/9/18 Checked By TMR Date 8/28/18

ITEM 507E00801 - 18" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN, AS PER ΡΙΔΝ

UNIT: FT

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Project WAY-250-19.26 **Computed By** KSC **Date** 8/9/18 Description Stage 2/3 Estimated Quantities Checked By TMR **Date** 8/28/18 ITEM 507E00850 - 18" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED UNIT: FT ABUTMENTS PIERS SUPERSTRUCTURE GENERAL 800 1,035 **Rear Abutment Piles** Number of Piles 8.00 = Driven Length per Pile = 40.00 Additional Order Length 5 ft 0.0 in = 5.0 ft = Subtotal Length = 360.00 ft Pier 1 Piles Number of Piles 9.00 = Driven Length per Pile = 45.00 Additional Order Length 5 ft 0.0 in = 5.0 ft = 450.00 ft Subtotal Length = Pier 2 Piles Number of Piles 9.00 = Driven Length per Pile 60.00 = Additional Order Length 5 ft 0.0 in = 5.0 ft = Subtotal Length = 585.00 ft Forward Abutment Piles Number of Piles 8.00 = Driven Length per Pile = 50.00 Additional Order Length 5 ft 0.0 in = 5.0 ft = 440.00 ft Subtotal Length = Abutments Total Length = 800.00 ft

1035.00 ft

1835.00 ft

Sheet 1 of 1 Subtotal: 1835 FT Total All Sheets: 1835 FT

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Piers Total Length

Total Length

Project	WAY-250-19.26		Computed By KS	SC Date 8/9/18	
Descrip	tion Stage 2/3 Estima	ted Quantities	Checked By TM	R Date 8/28/18	
ITEM 50	9E10000 - EPOXY COA	TED REINFORCING	STEEL	UNIT: LB	
					_
	ABUTMENTS	PIERS	SUPERSTRUCTURE	GENERAL	
	8,954	2,648	55,631		
		Abutr	nent Rebar		

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				Sup	ers	tru	ctu	re 1	Tota	al	=	5	55,6	531	lb													
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										D)ec	k W	/idt	h	=	4	15 ft		-	0.0	in	=		45	.0 ft						
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										Sla	ab	Vol	um	e	=	5842	2.27	ft ³											-		
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																							She	et 1	of 1	Su	bto	tal:	249) CY	
																								То	tal /	All S	Shee	ets:	249) CY	

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

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		Pier Ca	p Widt	h =	45	5 ft		0.0) in	=		45.() ft				
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																	_
																	_
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C	ross Slop	e (alor	ng skew	/) =	1.1	1%											_
	Left o	f Crow	n Widt	h =	26	5 ft	2	.125	5 in	=	26	5.177	7 ft				
	Crov	wn Ma	x Heigh	nt =	() ft	3.4	1918	3 in	=	C	.291	1 ft				
	Right o	t Crow	n Widt	h =	18	3 ft	11	.125	5 in	=	18	8.927	7 ft				
	Crow	n Righ	it Heigh	nt =	() ft	0.9	9671	l in	=	C	0.081	1 ft				
	Cr	own T	hicknes	is =		3 ft	<u> </u>	0.0) in	=		3.0) ft				
		Crown	Volum	e =	21	.97	ft										
							c. 3										
	V	olume	per Pie	er =	291	.97	ft										-
	N	umber	of Pier	'S =		2	ea										-
		<u> </u>				0.5	c. 3										-
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										Rig	ht F	orv	vard	k	=		4 f	t		1.0	in	=		4.	083	ft						
														Wi	ing	wall	Lev	el W	idth	s (A	١ve	rage	e)									
											Le	eft	Rea	r	=		1 f	t	5.6	525	in	=		1.4	469	ft						
											Rig	ght∣	Rea	r	=		2 f	t		2.0	in	=		2.	167	ft						
										Le	ft F	orv	varo	k	=		1 f	t	2.8	375	in	=		1	24	ft						
										Rig	ht F	orv	varo	k	=		1 f	t	7.3	375	in	=		1.	615	ft						
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			-	-	F	or	war	d A	but	tme	ent '	Vol	ume	2	=	81	8.4	1 ft^3		+		+							-			
														-																		
						٦	Tota	al A	but	tme	nt '	Vol	ume	e	=	163	8.3	3 ft ³														
						٦	Tota	al A	but	tme	nt	Vol	ume	e	=	6	0.6	3 yd	3													
						T	Tota	al A	but	tme	nt	Vol	ume	e	=	6	1.0) yd	3													1
																	_															
																	_						Sh	eet	t 1 (of 1	L Su	ibt	ota	: 61		Y
1			1	1	1		1	1	1	1	1	1	1				1	1							101	al.	AIL	SULE	eets	. 0	ιC	ĭ –

A	ECO	M	50-19	26										Com	oute	ed B	BV KS	SC	Da	te	8/4	9/18	8	
Des	scription	Sta	age 2/	3 E	stim	ated	Q	uan	tities					Chec	ked	By	TMF	2	Da	te	8/2	28/2	18	
ITEN	1 512E10	050	- SEA	LIN	GO	F CO	NC	CRET	TE SU	JRF	ACES	(NO	N-E	ΡΟΧΥ)							U	NIT	: SY
	4	ABU.	TMEN	ΤS				PIE	ERS			SUP	ERS	TRUC	TUP	RE		GE	NE	Ral				
					_				-	-				65	-	-		-	31					
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_																								
_						Dreid	1~~	1.1.00	ite	Sup	erstru		re C	urb/s		wai	K or		<u> </u>					
					Sic	BLIC	ige		1115	-	č	6 ft		0.62	5 IN 0 in	=	80	<u>د د.</u> م	2 IL					
					SIC	newa Cu	dik rh		atri abt	-		010		0.	0 in 0 in	-	(0.	7 ft					
			Sid	hou	valk.	Cu Soal		Wic	dth	-		6 ft		0. Q	0 in 0 in	-	6	5.66	7 ft					_
			510		Van	Jean	cu	VVIC		-				0.		-					-			-
		S	luners	tru	cture	ے ام	ale	d Ar	rea	=	577	7 01	ft ²								<u> </u>			
		S	Supers	tru	cture	e Sea	ale	d Ar	rea	=	64	1.11	vď	2							-			
	Tot	al S	STR Se	eale	ed Ar	ea (rou	unde	ed)	=	65	5.00	vd ²	2										
									1														_	-
										App	oroacł	ו ז Sla	b C	urb/S	idev	wall	<		1					-
			Rear	App	oroa	ch Sl	lab	Lim	nits	=	2	20 ft		6.62	5 in	=	20).55	2 ft					
		For	ward /	App	oroa	ch Sl	lab	Lim	nits	=	2	0 ft		6.	0 in	=		20.	5 ft					
					Sic	dewa	alk	Wic	dth	=		6 ft		0.	0 in	=		6.	0 ft					
				0	Curb	Hei	ght	: (Av	/g.)	=		0 ft		7.	0 in	=	().58	3 ft					
			Sic	dev	valk	Seal	ed	Wic	dth	=		6 ft		7.	0 in	=	6	5.58	3 ft					
		S	upers	tru	cture	e Sea	ale	d Ar	rea	=	270).26	ft ²											
		S	Supers	tru	cture	e Sea	ale	d Ar	rea	=	30	0.03	yd²	<u> </u>										
	Tot	al S	STR Se	eale	ed Ar	ea (rοι	unde	ed)	=	31	1.00	yď	<u> </u>										
				1						1					1		She	et 1	of	1 Si	ubte	ota	1: 96	5 SY

Project WAY-250-19.26 Description Stage 2/3 Estimated Quantities
 Computed By
 KSC
 Date
 8/9/18

 Checked By
 TMR
 Date
 8/28/18

ITE	M 5	5126	10	100	- S	EAI	IN	GΟ	FC	ON	CRE	TE SU	JRF	ACES	(EPC	ЭXY	-UF	RETI	HAI	NE)							U	NIT	: S	Y
		ABUTMENTS																												
											P	IERS			SUP	ERS	TR	UCT	UR	E		(GEI	NEF	RAL					
					22												118	3						37						
									S	ten	ו Wi	dth	=		61 ft			0.0) in	=		6	51.0) ft						
				5	Ster	m E	хрс	osec	d He	eigł	nt (n	nin)	=		0 ft			6.0) in	=			0.5	5 ft						
								St	em	1 Th	ickr	iess	=		2 ft			3.0) in	=		2	.25	5 ft						
							0	Ster	n S	eal	ed A	rea	=	3	0.50	ft ²														
				٧	Vin	gw	all I	Min	He	eigh	t (A	vg.)	=		1 ft			1.5	in	=		1.1	125	5 ft						
				V	Vin	gwa	all N	Лах	He	eigh	t (A	vg.)	=		3 ft		2	2.22	in	=		3.3	185	5 ft						
							W	ingv	vall	l Th	ickr	iess	=		2 ft			3.0) in	Ш		2	.25	5 ft						
				W	ing	wal	I Ba	ack	Exp	oos	ed A	rea	=		0 ft			6.0) in	=			0.5	5 ft						
			Ste	em/	/Wi	ngv	vall	l En	d S	eal	ed A	rea	=		4.78	ft ²														
											I I		1	Wing	wall	Slop	bed	Wi	dth	s	11									
										Le	eft R	lear	=		3 ft	Г. Г.	11.	625	in	=		3.9	969) ft						
										Rig	ht R	lear	=		4 ft			1.0) in	=		4.0	083	ß ft						
									Le	ft F	orw	ard	=		4 ft		9.	625	in	=		4.8	802	? ft						
								1	Righ	nt F	orw	ard	=		4 ft		-	1.0) in	=		4.0	083	B ft						
								-																						
		- I	I							,	Win	gwall	lev	/el W	idth	; (A)	vera	age)						I	I	I			·
										le	oft R	lear	=		1 ft		5.	625	, in	=		1.4	469) ft				1		
	_									Rig	ht R	lear	=		2 ft			2 0) in	=		2 '	167	7 ft						
									le	ft F	orw	ard	=		1 ft		2	875	in	=		1	24	L ft						
									Righ	nt F	orw	ard	=		1 ft		7	375	in	=		16	615	; ft						
									ug.				-		1		<i>,</i> .			_		1.0	013	11						-
													\w/	ingw	all Fr	ont	Se	aler	łΔr	·ea										-
										14	oft R	loar	-	1	3 73	ft ²				cu										
										Rig	ht R	loar	_	1	5 70	ft ²														
									ما	ft F	orw	ard	-	1	1 30	ft ²														-
										11 I	orw	ard	-	1	2 0/	ft ²														-
									ligi			aru	-	1	.5.94															-
													V	Vingu	TILC	ion '	503	lod	٨ra	22										-
											oft D	loar	v 	1	2 27	<u>θ</u> f+ ²	Jea	leu	AIG	za										-
										Dia		lear	_	1	5.57	ft ²														-
_	_								10	FH E		ard	-	1	.J.I/	ft ²														
_	_								Le	1	orw	ard	-	1	2 07	ft ²														
									ligi			aru	-	1	5.92															-
													14	lingu			Sor		<u>م</u> د	~~										-
		_									ft D	loor	~	lingw	2 07	аск + ²	Sea	lieu	AI	ea										-
								Lt		lear	=		2.97	11 ft ²																
										Rig fr r		lear	=		3.3/	ار م														
	_								Le		orw	aru	=		3.23	11 <u> <u> </u> </u>														
_	+								rigi	IL F	orw	ard	=		3.09	IC							_		<u> </u>	<u> </u>	<u> </u>			<u> </u>
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	-	_	-	R	ear		utr	ner	IT S	eal	ea A	rea	=	9	9.08	10												<u> </u>		
	+		FC	orw	ard	i Ab	utr	ner	it S	eal	ea A	rea	=	9	8.32	πt							_					-		
	-	_	-	-			L		+ 2				-			£.2												<u> </u>		
	+		<u> </u>	- 10	otal		utr	ner	it S	eal	ea A	rea	=	19	1.40	nt-												<u> </u>	$\left - \right $	
	-	<u> </u>	<u> </u>	To	otal	Ab	utr	ner	it S	eal	ed A	rea	=	2	1.93	yd	2									L	L			L
	Tc	otal	Abι	ıtm	ent	t Se	ale	d A	rea	(ro	und	led)	=	2	2.00	yď					Sh	neet	t 1	of	2 Si	ubt	ota	I: 2	2 S)	ſ

	4)/	1																									
_	Pro	jec	t∖	٧A	Y-2	50-	19	26										Com	pute	ed E	By k	SC	;	Da	te	8/9)/18	3		
	Des	scri	pti	on	Sta	age	2/:	3 E	stin	nate	ed C	Quar	ntities	6				Chec	ked	Ву	ΤN	1R		Da	te	8/2	28/1	18		
п	EV.	1 5'	125	101	00	- 5	EVI	INI	6.0			CDE	TE CI	IDE	ACES (EDC	NVV.	I IDE	тил	NE									• 51	_
	EIV	15.	LZC	101	.00	- 3	EA			F C					ACES (EPC		ONE		INE			1						. 31	1
															Si	Iner	stri	ictur												
										Br	idge	- I ir	nits	=	8	6 ft	5010	6.62	- '5 in	=		86.5	552	י ft					_	
									D	ecl	< Th	ickr	ness	=	0	1 ft		6	.0 in	=		00.0	1.5	5 ft					_	
					Deo	ck L	Jnd	ers	ide	Se	alec	l Wi	dth	=		0 ft		6	.0 in	=			0.5	5 ft				-		
									Si	dev	wall	< Of	fset	=		0 ft		2	.0 in	=		0.1	167	′ ft						
							Si	dev	vall	k Fa	iscia	a De	pth	=		0 ft		10.87	'5 in	=		0.9	906	5 ft						
										Rai	ling	He	ight	=		2 ft		0	.0 in	=			2.0) ft					_	
										Ra	iling	g Wi	dth	=		1 ft		0	.0 in	=			1.0) ft						
					Le	eft F	as	cia :	Sea	led	Pe	rime	eter	=		8 ft		2.87	'5 in	=		8	.24	l ft						
					Rig	ht I	-as	cia :	Sea	led	Per	rime	eter	=	000	2 ft	f+2	0	.0 in	=			2.0) ft						
								Fd	SCIE	IS S	eale	eu A	rea	=	880	0.26	п												_	
							Fn	ЧГ)ian	hra	σm	He	iøht	=		1 ft		6	0 in	=			15	; ft					-	
							Er	nd E	Diar	hr	agm	י Wi	dth	=	4	$\frac{1}{6}$ ft		7	.0 in	=		46.5	583	ft B					-	
\neg							Νι	imt	ber	of	Abu	tme	ents	=		2	ea	Ť		-						\square		+	\neg	
							I	End	l Dia	aph	irag	m A	rea	=	139	.75	ft ²													
							Sic	le D	Diap	hra	agm	He	ight	=		3 ft		2.2	2 in	=		3.1	185	5 ft						
					Ri	ght	Sic	de [Diap	bhr	agm	ו Wi	dth	=		1 ft		6	.0 in	=			1.5	5 ft						
						_eft	Sic	le [Diap	hr	agm	ı Wi	dth	=		1 ft		0	.0 in	=			1.0) ft					_	
							Nu	umt Gala	ber	ot /	Abu	tme	ents	=	10	2	ea 4													
							2	lae		apr	irag	m A	rea	=	15	.93	π												_	
								C	rov	un l	Min	Нο	ight	-		0 ft		0	0 in	-			0 0) ft						
						С	ros	s Sl	006	e (a	lon	g sk	ew)	=	1.1	1%				-			0.0	/ 11						
								Lef	t of	Cr	owr	ו Wi	dth	=	2	6 ft		11	.0 in	=		26.9	917	′ ft					_	
								С	row	n N	Лах	He	ight	=		0 ft		3.590)5 in	=		0.2	299) ft						
							R	igh	t of	Cr	owr	ו Wi	dth	=	1	9 ft		8	.0 in	=		19.6	567	′ ft						
								Cr	ow	n R	ight	He	ight	=		0 ft		0.967	'1 in	=		0.0)81	l ft						
							Nι	ımt	ber	of /	Abu	tme	ents	=		2	ea													
										C	rov	vn A	rea	=	15	.52	ft-												_	
									Ļ		L			_	4057		c. 2		_										_	
					5	upe	ersi	ruc	tur	e S	eale	ed A	rea	=	105/	.46	TT vd ²	2	_										_	
			_	ota	2	ире стр		uu. alo		e s	eale		lod)	=	110	.50	yu vd ²	2											_	
			_	018	11 3.	511	36	aie	u A	i ea	(10	unu	ieu)	-	110	.00	yu												-	
																						_								
															Appro	ach	l Sla	b Rai	ling	S	<u> </u>					\square	-	+	1	
			R	ear	Ap	pro	ac	n Sl	ab	Rai	ling	Len	igth	=	1	3 ft		6.62	.5 in	=	:	13.5	552	2 ft						_
		Fo	rw	ard	Ap	pro	ac	n Sl	ab	Rai	ling	Len	igth	=	1	3 ft		6	.0 in	=		1	3.5	5 ft			_			
						Ba	arri	er -	Tra	nsit	ion	Len	igth	=		6 ft		6	.0 in	=			6.5	5 ft		Щ				
			E	хро	ose	d A	ррі	oa	ch S	slat) Th	ickr	iess	=		0 ft		6	.0 in	=			0.5	5 ft		\vdash	_	\rightarrow	\square	
					<u> </u>				Si	de	wall	< Of	tset	=		0 ft		2	.0 in	=		0.1	167	/ ft		\vdash	$ \rightarrow$	$ \rightarrow$	_	
		_			Sic	dew	/all	(Fa	SCI	D C	epti	n (A	vg.)	=		Utt		10	.0 in	=		0.8	333	s ft		\vdash		+	_	
		_								Rai Po	iling	He	ignt dth	=		∠ Íľ 1 f+	-	0	0 in	=			2.0) TT) f+		⊢	-	+	+	
									Tra	nci ⁱ	iiiii tion		ight	=		111 3 ft		6	0 in	=			1.U	ft		⊢	-		-	
						R	aili	ng '	Sea	led	Pe	rime	eter	=		7 ft	-	0	.0 in	=			7.0) ft				\neg	\neg	
			_		Т	ran	siti	on	Sea	led	Pe	rime	eter	=	1	0 ft	-	0	.0 in	=	-	1	0.0) ft			\neg	+	+	
																				1		Ī		-		\square		\neg	1	
																L														_
			Ap	pro	bac	h Sl	ab	Rai	ling	gs S	eale	ed A	rea	=	329	.36	ft ²	_									_			
			Ap	pro	bac	h Sl	ab	Rai	ling	gs S	eale	ed A	rea	=	36	6.60	yd²									Щ				
		To	tal	AS	Rai	ling	Se	ale	d A	rea	(ro	und	led)	=	37	.00	yď	·			-					Ш				
							1	1	1	l I	1	1 I	1	1		1	1	1	1	1	She	et 2	20	t 2	Sub	otot	cal:	155	5 SY	1

Total All Sheets: 177 SY

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

#N/A																										#	N/A	4
	Α	BU	TM	EN	ΓS				Ρ	PIER	RS			S	UP	ERS	TR	UCI	UR	E		GE	NEI	RAL				
																	39											
							Bri	idg	e Li	mit	S	=		86	5 ft		6.	625	i in	Ш	86	552	2 ft					
						F	١M١	ΝN	1 W	/idt	h	=		2	2 ft			0.0) in	Ш		2.0) ft					
				Nu	mb	er d	of P	has	se L	ine	S	=			2													
							ΗN	۱W	M /	Are	а	=	(1)	346.	.21	ft ²												
							ΗN	۱W	M	Are	а	=		38.	.47	yď	2											
				HM	WN	ЛA	rea	(ro	un	dec	1)	=		39.	.00	yď	2											
																												#
																												#

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Date 8/9/18 Computed By KSC

Checked By TMR

ITEM 5	512E33000 - TYPE 2 WATERPROOFING																								UN	IT: S	Ϋ́	
	Α	BU'	ТМ	ENT	ΓS				Р	PIER	S		S	UPE	RST	RI	JCT	UR	E		GE	NE	RA	L		┥		
			1													2												
																											_	
	Stem Height										=	1	. ft			6.0	in	=		1.	5 ft					_	+	
	Approach Slab Seat Height											=	1	. ft			6.0	in	=		1.	5 ft						1
	Approach Slab Seat Height Number of Abutment Phase Lines										S	=		1														T
		Ν	um	ber	of	Deo	ck P	has	se L	ines	S	=		2														
				V	Vat	erp	roo	fing	g W	'idth	ı	Π	3	ß ft			0.0	in	=		3.0	0 ft						
				Νι	umb	ber	of A	٩bu	tm	ents	S	=		2														
					Wa	iter	pro	ofi	ng A	Area	a	=	27.	00	ft²											-		
					Wa	iter	pro	ofi	ng A	Area	a	=	3.	00	yd²											-		
	Waterproofing Area (rounded)										=	3.	00	yd²													T	
																			She	et	1 o	of 1	Sι	ıbto	otal	: 3 5	γ	
																					٦	ota	al A	A	She	ets	: 3 5	γ

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITE	M 5	16 E	132	200) - 1	/2"	PR	EFC	DRN	ΛEC) E)	KPA	NS	ION	1 10	ΙΝ	r fii	LLEI	R			1					1		ι	רואנ	r: Sf	:
		C	A	BU	тм	EN	ГS				P	PIER	S			S	UPI	ERS	TRI	UCT	UR	E			GEI	NE	RAL					
				1									1						74													
									Р	EJF	Le	ngtl	h	=		49	9 ft		3	8.75	i in	=		49.	313	ß ft						
									F	PEJI	FW	/idt	h	=		() ft			9.0) in	=		().75	5 ft						-
						Νι	umb	ber	of /	٩bu	ıtm	ent	S	=			2															
										PE	JF /	Are	а	=		73.	.97	ft ²														
							PEJ	FΑ	rea	(ro	un	ded	I)	=		74.	.00	ft ²														
																																-
																							S	nee	et 1	of	1 S	ubt	ota	ıl: 7	4 SF	:
																									То	tal	All	Sh	eet	s: 7	4 SF	:

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITI	EM	51	16E	136	500) - 1	" PI	REF	OR	ME	DE	XP	ANS	SIO	N J	OIN	TF	ILLE	ER									1		ι	רואנ	: SI	F
				Α	BU	тм	EN	٢S				P	PIER	S			S	UPI	ERS	TR	UCT	UR	E			GE	NE	RAL					
														1						95								1					
										Р	EJF	Le	ngtl	h	=		49) ft		3	3.75	i in	Ξ		49.	313	3 ft						Ļ
										F	PEle	= W	/idt	h	=		C) ft			8.0) in	=		0.	667	7 ft						I
									A١	vg P	EJF	He	eigh	t	=		З	ß ft		2	2.22	! in	Π		3.	185	5 ft						
										F	PEJF	= w	/idt	h	=		2	! ft			3.0) in	=		2	2.25	5 ft						
							Νι	umb	ber	of A	۱bu	ıtm	ent	S	=			2															
											PE	JF /	Are	а	=		94.	42	ft^2														
								PEJ	FΑ	rea	(ro	un	ded	I)	=		95.	00	ft ²														
																								S	hee	et 1	of	1 S	ubt	ota	l: 9	5 SI	F
																										То	otal	All	Sh	eet	s: 9	5 SI	F

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITEM S	516E14	4014	- IN	ITE	GRA	L AB	Βυτι	ME	NT I	EXP	PAN	SIO	N J	OIN	IT S	EA	L									U		FT
		ABU	TM	ENT	S			F	PIER	S			S	UPE	ERS	TRI	JCT	ŪR	E			GE	NEF	RAL				
			121																									
		١	Ning	gwa	ll M	ax F	leigł	nt (/	=		З	3 ft		2	.22	in	Ξ		3.	185	5 ft							
		(Clea	r fro	om ⁻	Тор	of V	/ing	gwa	II	=		C) ft			9.0	in	Ξ		C).75	5 ft					
		S	Seal	Exte	ensi	on b	eyo	nd.	Join	t	=		1	L ft			6.0	in	=			1.5	5 ft					
				Ab	utm	ent	Seat	t Le	ngt	h	=		49	9 ft		3	.75	in	=		49.	313	3 ft					
			Nu	umb	oer o	of Ve	ertic	al Jo	oint	S	=			2														
				Nu	mbe	er of	Abı	utm	ent	S	=			2														
					J	oint	Sea	l Le	ngt	h	=	1	20.	37	ft													
		J	loint	t Se	al Le	engt	=	1	21.	00	ft																	
																				Sh	eet	1 c	of 1	Su	bto	tal:	121	FT
																					٦	Γot	al A	All S	hee	ets:	121	FT

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC **Date** 8/9/18

Checked By TMR

ITEM 5	17E70000 - RAILING	(TWIN STEEL TUBE))				UNIT: FT
	ABUTMENTS	PIERS		SUPERSTR	RUCTURE	GENERAL	
				91	L		
	End Post to	End Post Length	=	85 ft	3.0 in =	85.25 ft	
	Additional	Length per End	=	2 ft	5.5 in =	2.458 ft	
		TST Length =	=	90.17 ft			
	TST Le	ength (rounded)	=	91.00 ft			
						Sheet 1 of 1 Subt	otal: 91 FT
						Total All Sh	eets: 91 FT

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITEN	/ 51	7E75	120) - R	AIL	ING	6 (CO	ON	CR	ETE	PA	RA	PET	WI	TH	τv	VIN	ST	EEL	TU	BE	RAI	LIN	IG)				U	NIT	: FT
		A	BU	тм	ENT	٢S				P	PIER	RS			S	UPI	ERS	TR	UCT	UR	E			GE	NEF	RAL				
																		87							40					
		Bridge Limits =																												
								Bri	idg	e Li	mit	S	=		86	5 ft		6.	625	in	Π		86.	552	2 ft					
						Re	ar A	pp	roa	ich	Sla	b	=		20) ft			0.0) in	=		2	20.0) ft					
					For	wa	rd A	hpp	roa	ich	Sla	b	=		20) ft		().75	in	=		20.	063	3 ft					
			Т	ST	Len	gth	(Su	pei	rstr	uct	ure	e)	=		86.	55	ft													
			T	ST L	eng	gth	(Ap	pro	bac	h Sl	labs	5)	=		40.	06	ft													
					Tot	tal I	Leng	gth	(ro	un	dec	d)	=	1	27.	00	ft													
								-	•			Í																		
			1									1	1																\square	
																						Sh	eet	10	of 1	Su	bto	tal:	127	7 FT
																								Tot	al A		She	ets:	127	7 FT

1	A	Ę	CC	D	Λ																												
	Pro Des	jeo scri	∶t \ ipti	NA on	Y-2 Sta	250-1 age	9.26 2/3	6 Es	stim	ate	ed (Qua	ntiti	es					•	Co Ch	mp eck	ute ed	ed B By	By H TN	<s(//R</s(2	Da Da	te te	8/9 8/3	9/1 28/	8 18	_	
17	FFM	15	18F	21	200) - P(ORO	U	S B	AC	KFI	11 V	VIT	на	FO	TFX	тп	FF	AB	RIC										U	NIT	: ()	<u>_</u>
			101																														
				Α	BU'	ТМЕ	NTS	;				Р	IER	s			S	UP	ERS	TR	UCI	TUR	E			GE	NEI	RAL	_				
						53																											
						Ро	rous	5 E	Back	٢fill	l Tł	nickı	ness	5	=		2	2 ft			0.0) in	=			2.0) ft						
									F	00	tin	g W	idtł	۱	=		61	L ft			0.0) in	=		6	51.0) ft						
									F	oot	ting	g He	igh	t	=		3	3 ft	- 21		0.0) in	=			3.0) ft						
										Fo	oti	ng A	Area	3	=	18	33.	00	ft-														
										C.	+	~ \\	: d+k		_		61	<u> </u>			0.0	1:0	_			C1 () f+						
										د +	ien		ight	1 F	=		1				6.0) in) in	-			01.U	5 ft						
										31	Sta	m /	\roa	ι ,	-		נ 1 כ	50	ft ²		0.0		-			1.,							
											510				-		J1.	50															
							Wi	n	gwa	all f	Mir	ו He	ight	t	=		1	l ft			1.5	in	=		1.	125	5 ft						
					٧	Ving	wall	N	1ax	Не	eigh	nt (A	vg.)	=		3	3 ft		2	2.22	2 in	=		3.	185	5 ft						
		1	Гор	of	Bad	ckfill	Dep	otl	h Be	elo	w٦	г/ W	1.W		=		1	l ft			6.0) in	=			1.5	5 ft						
																Win	gw	all	Sloj	pe	Wic	dth	5										
											L	eft F	Rea	r	=		3	ß ft		11.	625	in	=		3.	969	9 ft						
											Rig	ght F	Rea	r	=		4	l ft			1.0) in	=		4.	083	3 ft						
										Le	ft F	orv	varo	1	=		4	l ft		9.	625	in i	=		4.	802	2 ft						
									F	Righ	nt F	orv	varo	1	=		4	l ft			1.0) in	=		4.	083	3 ft						
																								Ļ									
												- 64 1		w	ing	wall	Le	eve		dtr	15 (/	Ave	rag	ge)	1	100	<u>.</u>						-
											L		Real	r r	=		1	L TT		5.	25) in	=		1. 2	16	9π 7f+						
											אות ft F		varo	4	-		1	2 IL 1 ft		2	2.U 875	in	-		Ζ.	1 2/	/ IL 1 ft						
									 F	LC }iøł	nt F	orv	varo	1	=		1	l ft		7	375	in	=		1	61	5 ft						
														•																			
																	Wi	ing	wall	l Ar	rea												
	1										L	eft f	Rea	r	=		5.	07	ft²														
											Rig	ght F	Rea	r	=		6.	33	ft²														-
										Le	ft F	orv	varo	ł	=		5.	23	ft ²														
									F	Rig	nt F	orv	varo	ł	=		5.	40	ft ²														
									_													<u> </u>											
		E۳	d r	liar	h		End	D ۲۲	iap	hra	ign	h He	eight	t \	=		1	L ft			6.0) in	=		10	1.5	b ft						
		En		лаμ	01110	agin	vviu Si	u n					but Vroc)	=	4	40		f+ ²		7.0	111	=		40.	58:	5 11						
							30	4r	ers	uu		iie A	100	2	-		<i>.</i>	00	TL														
$\left \right $	+					R	ear	Δŀ	out	me	nt	Voli	Ime	2	=	7	11	55	ft ³									-		-			
	+				F	orw	ard	Al	out	me	nt	Vol	ume	2	=	7	10	01	ft ³									-	-	-			
														-																			
							То	ta	l Ba	ick	fill	Volu	ume	è	=	142	21.	56	ft ³														
						Тс	otal	Ał	out	me	nt	Volu	ume	2	=		52.	65	yd ³	5													
						Тс	otal	Ał	out	me	nt	Volu	ume	ć	=		53.	00	yd ³	1													
																								Sł	iee	t 1	of	1 Si	ubt	ota	: 53	3 C)	(
																Ιſ	Ĩ		ΙĪ]		То	tal	All	She	eets	: 53	3 C1	(

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITEM	518	E 40 0	000	- 6	" PI	ERF	OR	ATE	ED (COF	RU	IGA	TE	D PI	LAS	TIC	: PIF	PE										U	NIT	: FT	
																															_
		Α	BU'	TM	ENT	ΓS				Ρ	IER	S			S	UPI	ERS	TR	UCT	UR	E			GEI	NEF	RAL					
				122																											
							Abu	Itm	ent	Lei	ngtl	h	=		61	L ft			0.0) in	=		6	51.0) ft						
					Νι	ımt	ber	of A	\bu	ıtm	ent	S	=			2															
								Р	ipe	Lei	ngtl	h	=	1	.22.	.00	ft														
					Pij	pe l	Len	gth	(ro	uno	ded)	=	1	22.	00	ft														
																						Sh	eet	1 c	of 1	Su	bto	tal:	122	2 FT	
																								Tot	al A	All S	She	ets:	122	2 FT	

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC **Date** 8/9/18 Checked By TMR **Date** 8/28/18

ITEM 518E40011 - 6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN

UNIT: FT

-																											_		_
	Α	BU	TM	ENT	٢S				Ρ	IERS	;		S	UPI	ERS	TR	UC	ΓUR	Ε			GE	NE	RAL	-				
			80																										
		Α	ssu	me	d L	eng	th I	ber	Со	rner		=	20) ft			0.0) in	=			20.0) ft						
Ν	lun	nbe	r of	f Co	rne	ers	per	Ab	utn	nent		=		2															
				Νι	ımt	ber	of A	۱bu	Itm	ents		=		2															
							Р	ipe	Lei	ngth		=	80.	00	ft														
				Pi	pe l	Len	gth	(ro	uno	ded)		=	80.	00	ft														
																				S	hee	et 1	of	1 S	ubt	ota	l: 8	0 F	Г
																						То	tal	All	Sh	eet	s: 8	0 F	Г

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC **Date** 8/9/18 Checked By TMR

ITEM 523E20000 ·	- DYNAMIC LOA	D TESTING		UNI	T: EACH
ABUT	MENTS	PIERS	SUPERSTRUCTURE	GENERAL	
	1	2			
Abut	ment Dynamic L	oad Tests =	1 ea		
	Pier Dynamic L	oad Tests =	2 ea		
		Total =	3 ea		
				Sheet 1 of 1 Subtotal:	3 EACH
				Total All Sheets:	3 EACH

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed	l By	KSC	Date	8/9/18

Checked By TMR

ITEI	M !	52	6E	15)11	l - R	REIN	IFO	RC	ED (201	NCR	RET	ΈA	PPF	ROA	ACH	SL/	٩BS	W	ITH	QC	:/Q	A (1	Γ=1	.3")	, AS	S		U	NIT	: S	ſ
				Α	BU	ТΜ	EN	TS				Ρ	PIEF	RS			S	UP	ERS	TR	UCI	rur	Ε			GE	NEI	RAI	-				
																											200)					
																																	1
							Α	ppr	oad	ch S	lab	Lei	ngt	h	=		20) ft			0.0) in	=			20.0) ft						
							/	٩рр	roa	ch :	Slał	o W	'idt	:h	=		45	5 ft			0.0) in	=		4	45.0) ft						
								Ар	pro	acł	ו Sl	ab /	٩re	ea	=	Ģ	900	.00	ft ²														
						Nu	mb	er c	of A	ppr	oad	ch S	lab)S	=			2															
								Ар	pro	acł	ו Sl	ab /	Are	ea	=	18	300	.00	ft ²														
								Ар	pro	acł	ו Sl	ab /	٩re	ea	=		200	.00	yď	2													
					Ар	oro	ach	Sla	b A	rea	(rc	un	dec	d)	=	1	200	.00	yď	2													
						1									1									Sh	eet	:10	of 1	Su	bto	tal:	20	0 S'	Y
						1									1										•	Tot	al A	All S	She	ets:	20	0 S'	ſ

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By KSC Date 8/9/18

Checked By TMR

ITEM 5	526E90010 - TYPE A INSTALLATION ABUTMENTS PIERS																											U	ΙΝΙΤ	: F1	Г
		Α	BU.	TM	ENT	ΓS				Ρ	PIEF	RS			S	SUP	ERS	TR	UC	ΓUF	RE			GE	NE	RAI	-				
																									94						
					Δ	٩p	roa	ch :	Slab	b W	/idt	h	=		4	5 ft			0.0) in	Ш		2	15.0) ft						
										S	ikev	N	=		15	•															
				Nur	nbe	er c	of A	ppr	oad	ch S	lab)S	=	2																	
				Ту	pe /	A Ir	ista	llat	ion	Le	ngt	h	=		93	.17	ft														
	Тур	be A	Ins	stall	latio	on l	Len	gth	(ro	un	dec	4)	=		94	.00	ft														
																						S	hee	et 1	of	1 S	ubt	ota	l: 9	4 F1	Т
																								То	otal	Al	Sh	eet	s: 9	4 F1	Т

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By	KSC	Date	8/9/18
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Checked By TMR

ITEM 5	518E2	223	00	- S'	TEE	LD	RIP	י ST	RIP)																		U	NIT	: FT
		A	3U1	ſM	ENT	٢S				P	PIER	S			SUPERSTRUCTURE							GENERAL								
																					107									
								Br	idg	e Li	mit	S	=		86	5 ft		6.	625	i in	=		86.	552	2 ft					
							Nu	mb	er	of S	ide	S	=			1														
					Lov	ver	Dri	p S [.]	trip	Le	ngt	h	=	5	86.	55	ft													
					-	-											-													
	U	one	r D	rin	Str	in I	en	σth	at	GR	Pos	t	=		1	ft			6.0) in	=			1.	5 ft					
					• • •	- q.	Nu	mh	ero	of P	ost	s	=		-	13														
					Unr	her	Dri	n S	trin		ngt	b h	=		19	50	ft													
					000									-	1.5.	50														
							Dri	n C	trin		nat	h		1(06		f+												-	
					C+.			<u>р २</u>		Le	ligt ded		-	1(00.	05	<u>ار</u>													
			L	rip	Str	пр	Len	gtn	(rc	bun	aec)	=	1(07.	00	π												_	
																						Sh	eet	:10	of 1	Su	bto	tal:	107	7 FT
																								Tot	al A	AII S	She	ets:	107	7 FT

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed By	KSC	Date	8/9/18
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Checked By TMR

ITEM 8	846E	00	L10	- P	OL	YM	ER I	МО	DIF	IED) AS	SPH	IAL	ΓЕХ	(PA	NSI	ON	JO	ΙΝΤ	r sy	'STI	EM						U	NIT	: Cl	F	
		Α	BU'	ТΜ	EN٦	NTS PIERS									SUPERSTRUCTURE GEN								NEF	ERAL								
																							39	39								
					A	٩р	roa	ch	Slab	o W	/idt	h	=		45	5 ft			0.0) in	=		2	15.0) ft							
							ΡM	AE.	J Th	ick	nes	S	=		C) ft			3.0 in =				().25	5 ft							
								ΡN	1AE	J W	/idt	h	=		1 ft				8.0) in	=		1.	667	′ ft							
				Nu	mbe	er c	of A	ppr	oad	ch S	lab	S	=			2																
										S	kev	N	=		15	0																
					-	Tota	al P	MA	EJ ,	Vol	um	e	=		38.	82	cf															
					-	Tota	al P	MA	EJ ,	Vol	um	e	=		39.	00	cf															
																						S	nee	et 1	of	1 SI	ubt	ota	tal: 39 CF			
																								То	tal	All	She	eets	:: 39) CI	F	

Project WAY-250-19.26

Description Stage 2/3 Estimated Quantities

Computed	l By	KSC	Date	8/9/18

Checked By TMR

ITEN	16	501E32104 - ROCK CHANNEL PROTECTION, TYPE E															ΒV	νιτι	H G	EO	ТЕХ	TIL	E F/	ABF	RIC				U	NIT	: C)	1
			Α	BU'	ТΜ	EN٦	ΓS				Ρ	IER	S		SUPERSTRUCTURE GEN									NE	IERAL							
																							400									
	F	Rear Abutment RCP Area (From CAD)									=		2,19	90.	00	ft ²																
Fo	orw	vard Abutment RCP Area (From CAD))	=		2,12	25.0	00	ft ²																
									RCF	י Th	ick	nes	S	=		2.			ft													
									R	CP '	Vol	um	е	=	1(0,78	87.	50	ft ³													
									R	CP '	Vol	um	е	=		39	99.	54	yd	3												
						RC	PV	'olu	me	(rc	oun	ded)	=		40	00.0	00	yd	3												
																							Sh	eet	1 0	of 1	Sul	otot	al:	400) C)	(
																									Tota	al A	All S	hee	ts:	400) C)	(