



				BRIDGE IN	SPECTIO	ON REP	ORT				
							ISPECTION TYP	PE:	Ann	ual	
		CTURE IN	IFORMATI	ON	-		INSPECTIO				
Milepost	407.48		-			Date	11-Dec-19				
Location	Santa Paula Br	anch Line			_		tor Name		oseph Holst		
	Saticoy, CA				_	Teleph	one Number		303-501-12	215	
Stream	X		Overpass		Other		Compan	у <u> </u>	/ilson & Con	npany	
Train Ope	erating Speed:	Freight:	10 mph	Passenger	: 15 mph						
DECK	Туре:	Open	Number o	f Tks	1	Visual	Condition Rating	I	4		
	RAIL	Weight:	132 #	Type:	Welded		Visual Condition	Rating:	5		
		Notes:		_		_					
	TIES	Type:	Timber	Tie	Conditio	n Rating	g: 3				
		Notes:		_ plit - see pho		-					
	BALLAST	Depth:	N/A			n Ratinc	j:				
		Notes:									
	DECK PLANKS		N/A		Conditio	n Ratino	g:	Notes:			
	OTHER	Type:			Conditio						
		rjpe.				in reacing]				
	TRUCTURE										
JUPERS	Visual Conditio	n Doting	F								
		-	5 Number b	_		Р	ound or Rect		Cine		
	Туре:	Cuivert:				- R			Size _		
		_	Approx Lr	igth.		-	Concrete		Steel		
		Bridge:	Steel			-	Timber	30'	Concrete		
		Type:	Truss			-	Deck Girder		Through		
			Trestle						Girder		
			Num Spar				Approx. S	Span Le	ngths	14' 6"	
		Notes:		Open	Deck Tre	estle - Bi	uilt 1947		-		
SUBSTR		5.0		_							
	Visual Conditio	n Rating		5			_				
	Bent:		5	Туре	-	orete	Note				
	Abutment:		5	Туре		ocrete	Note	s			
	Wingwalls:		5	Туре	Tin	nber	Note	s			
	Embank			Туре			Note	s			
	Footing			Туре			Note	s			
	Inaccessible ar	eas:									
STREAM	CHANNEL										
011(2)(11	Visual Conditio	n Rating	3								
	Stream Depth	1"	Scour Evi	dence			Moving Water		yes		
	Notes	3' scour c	lownstrean	n of paveme	nt - see p	ohoto	_ 0		,		
OVERAL	L RATING										
	High Priority		Medium P	riority			Low Priority		Х		





	BRID	GE INSPECTIO	N REPORT	CONCRETE	STRUCTL	JRE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	5'	Bridge No.	407.48		
No. of Tks:	1	Deck Type:	Open	Br. Over:	Creek	Overall Length:	30'		
ENVIRONMENT		GIRDERS			A06 Pie	r Shaft	5		
E01 Scour	3	S01 Stringers	S	5	A07 Pile	s	N/A		
E02 Channel	3	S02 Bearing	@ Cap	5	A08				
E03 Approach	5	ABUTMENTS			A09				
DECK		A01 East Abu	utment	5	MISC. OTHER				
D01 Rail	5	A02 East Win	ngwalls	3	M01				
D02 Footwalk	4	A03 West Ab	utment	5	M02				
003 Handrail	4	A04 West Wi	ngwalls	3	M03				
D04		A05 Pier Cap)	5	M04				
D05		_			0	verall Rating:	4		
			COMMEN						
Reference	<u> </u>		COMMEN	Remark					
Utility	Thora is a h	iah proceuro de	e line porpordi		dae				
Wingwall		igh pressure ga				vall has erosion - see	nhotos		
Handrail		-			ast wingw		priotos		
Walkway		Loose handrail cable on north side. Southeast walkway panel has deflection damage - see photos							
•									
		MAINTEN	NANCE RECO	MMENDATION	IS				
Priority		MAINTEN	NANCE RECO	MMENDATION Description	IS				
Priority A02, A04, B	Repair wing	MAINTEN walls to retain b			IS				
1	1		allast		IS				
A02, A04, B	Monitor Sco	walls to retain b	allast orm events		IS				
A02, A04, B E01, E02, M	Monitor Sco	walls to retain b our after large sto	allast orm events		15				
A02, A04, B E01, E02, M	Monitor Sco	walls to retain b our after large sto	allast orm events		<u>IS</u>				
A02, A04, B E01, E02, M	Monitor Sco	walls to retain b our after large sto	allast orm events		<u>IS</u>				
A02, A04, B E01, E02, M	Monitor Sco Repair footv	walls to retain b our after large sto	allast orm events il			PRIORITY			
A02, A04, B E01, E02, M D02, D03, B	Monitor Sco Repair footv	walls to retain b ur after large sto valk and handra DITION RATING	allast orm events il						
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may ree	Monitor Sco Repair footv CONE quire bridge out	walls to retain b our after large sto valk and handra DITION RATING t of service)	allast orm events il	Description	A. Im	mediately			
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may red 2. Deficient: OK fo	Monitor Sco Repair footv CONE quire bridge out	walls to retain b our after large sto valk and handra DITION RATING t of service)	allast orm events il	Description	A. Im B. Wi	mediately thin 1 year			
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may red 2. Deficient: OK fo until repaired.	Monitor Sco Repair footv CONE quire bridge out or operations, bu	walls to retain b our after large sto valk and handra DITION RATING t of service) at requires Flagn	allast orm events il i man/Inspector f	Description	A. Im B. Wi C. Wi	mediately thin 1 year thin 3 years			
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may red 2. Deficient: OK fo until repaired. 3. Satisfactory but	Monitor Sco Repair footv CONE quire bridge out or operations, bu with exceptions	walls to retain b our after large sto valk and handra DITION RATING t of service) it requires Flagn s: Slow order m	allast orm events iil man/Inspector f	Description	A. Im B. Wi C. Wi D. Wi	mediately thin 1 year thin 3 years thin 5 years			
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may real 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i	Monitor Sco Repair footv CONE quire bridge out r operations, bu with exceptions items such as (walls to retain b our after large sto valk and handra DITION RATING t of service) it requires Flagn s: Slow order m	allast orm events iil man/Inspector f	Description	A. Im B. Wi C. Wi D. Wi E. Wi	mediately thin 1 year thin 3 years thin 5 years thin 10 years	chance &		
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may red 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i 5. Good with mino	Monitor Sco Repair footv CONE quire bridge out r operations, bu with exceptions items such as (walls to retain b our after large sto valk and handra DITION RATING t of service) it requires Flagn s: Slow order m	allast orm events iil man/Inspector f	Description	A. Imi B. Wi C. Wi D. Wi E. Wi M. Mo	mediately thin 1 year thin 3 years thin 5 years			
A02, A04, B E01, E02, M D02, D03, B 1. Failed (may red 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i 5. Good with mino	Monitor Sco Repair footv Repair footv CONE quire bridge out or operations, bu with exceptions items such as (r exceptions	walls to retain b our after large sto valk and handra DITION RATING t of service) it requires Flagn	allast orm events iil man/Inspector f	Description	A. Imi B. Wi C. Wi D. Wi E. Wi M. Mo	mediately thin 1 year thin 3 years thin 5 years thin 10 years ponitor, Condition may	r change &		





		BRIDO	SE INSPECTION REPORT -	CONCRETE STRUCTURE	
Span: 1		TANGENT	Vert. Clear: 5'-4"	Bridge No.	407.48
DETAILS -	ABUTMENT	NUMBER: 1		Span Length:	14' 6"
	R N N N N N N N N N N N N N N N N N N N				
	n: Looking V	Vest - (8) 8"x1	7.5" Timber Stringers, Cor	crete Abutment	
Remarks:					
1. CR - Cra	ck in southw	est wingwall - s	see photo		
2. North we	st wingwall u	Indermining - s	ee photo		
Inspec	ted By:	Jo	seph Holste, PE	Date Inspected:	12/11/2019



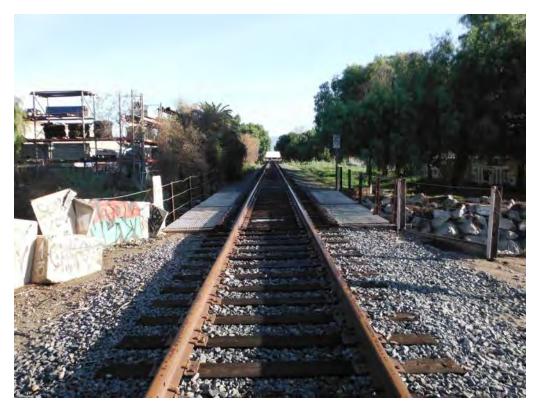


	BRIDO	GE INSPECTIOI	N REPORT	CONCRETE	STRUCTURE	
Span: 2 Alignment:	TANGENT	Vert. Clear:	5'-4"	Bridge No.		407.48
DETAILS - PIER NUME	BER: 2			Span Length:		14' 6"
SP						
Description: Looking I Remarks:	East- (8) 8"X17	.5" Timber Stri	ngers, Con	crete Pier		
1. SP - Minor spall on th	e south face o	f the nier - see n	photo			
2. SP - Moderate spall r	north side - see	photo				
3. DEB - Debris accumu	ulation upstrear	n pier - see pho	to			
4. Scaling along base (e						
Inspected By:	Jo	oseph Holste, PE	Ē	Date In	spected:	12/11/2019





	BRIDO		REPORT	CONCR	ETE STRUCTURE	
Alignment:	TANGENT	Vert. Clear:	5'-4"	Bridge No	0.	407.48
DETAILS - ABUTMENT				Span Len		
		 Α 				
Description: Looking E	ast - (8) 8"x17	7.5" Timber Stri	ngers, Cor	crete Abut	tment	
1. CRU - Stringers crush						
2. SC - Scaling at base						
3. Northeast wingwall er	oding - see pho	oto				
Inspected By:	Jc	seph Holste, PE		D;	ate Inspected:	12/11/2019



407.48 Looking East



407.48 Looking West



407.48 Looking North



407.48 Looking South



407.48 Channel Condition – Looking Upstream



407.48 Channel Condition – Looking Downstream



407.48 Northwest Wingwall Undermining



407.48 Southwest Wingwall Crack



407.48 Typical Tie Condition - Split



407.48 Scour at Downstream End of Channel Paving – approximately 3'



407.48 Spall on south side of Pier 2



407.48 SE Walkway Panel Deflection Damage



407.48 Spall and debris on upstream side of Pier



407.48 Stringers crushing 1/4" at Abutment 3



407.48 Scaling at Base at Abutment 3



407.48 NE Wingwall Erosion

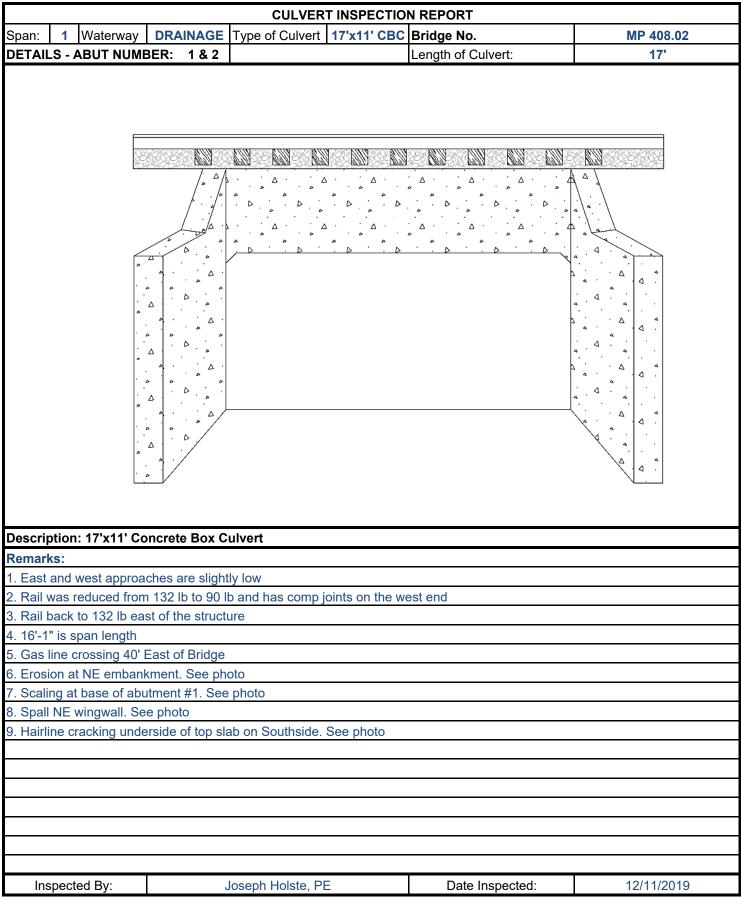




			Culver	t Inspe	ction Fo	orm		
DIVISION	Santa Paula	1		10. N	IP 408.02	TYPE OF CULVERT	17'x11' CBC	
DDANIOU	Conto Doulo	NO. OF		Length of	471		Setieour CA	
BRANCH OVERALL RATI	Santa Paula	SPANS	1 ATERWAY	Culvert	17' OF TRACKS	LOCATION	Saticoy, CA YEAR BUILT	
OVERALL RATI				NO.				
	5	DR			1		1984	
ITEM	GENERAL		CONDITION RATING	REMARKS				
1	Action Under Trains		7	No Trains				
2	Embankment	5						
3	Track Over Culvert		5	Approaches	slightly low			
	STREAM CONDITIO	ONS						
4	Alignment		5					
5	Channel		5	Fenced con	crete channel			
6	Paving Through Culvert		5					
7	Rip Rap		N/A					
8	Sheet Piling Protection		N/A					
9	Cleanliness		CLEAN					
	MASONRY							
10	Abutment		5					
11	Arch Ring		N/A					
12	Headwalls		5					
13	Wingwalls		5					
14	Foundations		5					
15	Roofs		5					
16	Walls		5					
17	Piers		N/A					
18	Parapet Walls		5					
19	Pointing		N/A					
20	Cradles		N/A N/A					
21 22	Previous Gunite Slab		5					
22	Pipes-Metal/Concrete		N/A					
20	1. Minor cracking at abuti	ments	N/A					
Remarks:	 Fouled ballast across of 3. Ties partially covered a Vertical crack center of 5. Longitudinal crack on f 	culvert and in poo f abutmer	nts (East and V					
	NOTE	ANY SCOU	IR, SETTLEMENT,	DISTRESS, SLI	DE FAILURE, BACK	WATER OR OBSTR	UCTION.	
	CON	DITION	RATINGS				PRIORITY	
	(may require bridge out					A. Immed	liately	
	ent: OK for operations, bu	t requires	s Flagman/Ins	pector for a	l trains		1 year	
	epaired.						3 years	
	actory but with exceptions						5 years	
	r Safety: items such as (nandrail,	tootwalk, etc.)			10 years	
5. Good 6. New E	with minor exceptions						r, Condition may e & raise priority	
	spected: Reason stated					change		
	•	0407 100	A I	1001	OTONE		OTONE	
TYPE OF CULV	ERIS: PIPE-	CAST IROI STEEL	N	ARCH -	STONE CONCRETE		STONE CONCRETE	
		CONCRET	E		BRICK	•	RAIL TOP	
Inspe	ector: Jose	eph Holst	e, PE	Date	Inspected:		12/11/2019	









408.02 Looking East



408.02 Looking West



408.02 Looking North



408.02 Looking South



408.02 Channel Condition - Looking Upstream



408.02 Channel Condition - Looking Downstream



408.02 Fouled Ballast across Culvert



408.02 Erosion at Northeast embankment



408.02 Vertical crack center of Abutment (typ.)



408.02 Scaling at base of Abutment #1



408.02 Hairline cracking underside of top slab, south side



408.02 Spall at NE wingwall





				BRIDGE IN	SPECTIO	ON REPC	DRT			
				•			SPECTION TYP	E:	Annual	
	STRU	CTURE IN	IFORMATI	ON	-		INSPECTIO	N INFO	RMATION	
Milepost	408.84		_			Date	11-Dec-19	Time	9:10AN	1
Location	Santa Paula Br	anch Line			_	Inspecto	r Name	J	oseph Holste, I	PE
	Saticoy, CA				_	Telepho	ne Number		303-501-1215	5
Stream	X (Ellsworth E	Barranca)	Overpass		Other		Company	/ <u> </u>	/ilson & Compa	any
Train Ope	erating Speed:	Freight:	10 mph	Passenger	: 15 mph					
DECK	Type: Ballast &	Open	Number c	of Tks	1	Visual C	ondition Rating		3	
	RAIL	Weight:	132#	Type:	Jointed	V	isual Condition	Rating:	3	
		Notes:	Both appr	oaches low a	& slight h	orizontal	misalignment a	t west a	pproach	
	<u>TIES</u>	Type:	Timber	Tie	Conditio	n Rating:	5			
		Notes:		_				_		
	BALLAST	Depth:	16 in	Ballast	Conditio	n Rating:	3			
		Notes:	Ballast in	spans 1,2,4,	5 is foule	d		-		
	DECK PLANKS	Type:	Timber	•			3	Notes:		
	OTHER	Туре:		_		n Rating:		_	-	
		51			=	5		-		
SUPERS	TRUCTURE									
	Visual Conditio	n Rating	5							
	Type:	-	Number b	arrels		Roi	und or Rect		Size	
	Type.	Ourvert.	Approx Lr			-	Concrete		Steel	
		Bridge:	Steel	58 S		-	Timber	43'	Concrete	
		-	Truss			-	eck Girder	X	· <u> </u>	
		Туре:	Trestle			- X	eck Gilder	~	Girder	
			Num Spa			5	Approx. S		·	
		Natasi						•	°	0",7',58',6',15'2"
		Notes:	Steel Dec	k Plate Girde		allast Dec	k Timber Trestl	e Appro	aches - 1973	
SUBSTR		n Dating		F						
	Visual Conditio	n Rating		5						
	Bent:		5	_Type 		eel	Notes			
	Abutment:		5	Туре		eel	Notes	-		
	Wingwalls:		3	_Туре 	lin	nber	Notes		Abut 1 wall failin	ng
	Embank			Туре			Notes			
	Footing			Туре			Notes	š		
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	•	3	_						
	Stream Depth	6"	Scour Evi				Moving Water		yes	
	Notes		oding back	wall of abutm	nent 1 an	d gabion	wall at east side	e is und	ermined north	of
		pier 3								
OVERAL			•••							
	High Priority		Medium F	riority			Low Priority		X	





	BRID	GE INSPECT	ION REPORT	- TIMBER STI	RUCTURE		
Spans:	4	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	408.84a
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	22'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	5
E01 Scour	3	S01 Stringers		5	B09 Long Brace N/A		
E02 Channel	5	S02 Line Bolt	S	N/A	B10 Cap Long Brace N/A		
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shims N/A		
DECK		BENTS	HER				
D01 Ties (OD only)		B01 West Backwall 3 M01					
D02 Ties Spacers	N/A	B02 East Backwall N/A M02					
D03 Rail	3	B03 Steel Ca	ps	5	M03		
D04 Ballast Floor	3	B04 Steel Pile	es	5	M04		
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A			
D06 Footwalk	4	B06 Posts		N/A	Ove	erall Rating:	4
D07 Handrail	4	B07 Cross Br	aces	5		_	
			COMMENT	S			
Reference				Remark			
Handrail	North side bo	ttom handrail o	cable broken - s		les loose o	over entire bridge	
Walkway			ent run over gra				
Other		e hive at Abutr	-				
	1	MAINTEN	IANCE RECOM	MENDATION	S		
Priority				Description			
А	Remove vege	tation under a	ll spans				
B01, E01, A	Repair backw	all and scour l	pefore next rainy	/ season			
D04, M	Ballast floor n	eeds to be mo	nitored for dete	rioration - Repl	lace as ne	cessary	
E03, B	Raise approa	ches on both e	ends				
D06, A	Replace walk	way					
D07, A	Repair handra	ail cable					
	CONDI	TION RATING	1			PRIORITY	
1. Failed (may requ	uire bridge out o	of service)			A. Imm	ediately	
2. Deficient: OK for	operations, but	requires Flagn	nan/Inspector fo	r all trains		in 1 year	
				C. With	in 3 years		
until repaired.					•••••••••••••••••••••••••••••••••••••••	iii 5 years	
until repaired. 3. Satisfactory but w	vith exceptions:	Slow order m	ay be required.			in 5 years	
	•		* *		D. With		
3. Satisfactory but w	ems such as (h		* *		D. With E. With	in 5 years	/ change &
 Satisfactory but w Worker Safety: ite 	ems such as (h		* *		D. With E. With M. Mon	in 5 years in 10 years	/ change &
 Satisfactory but w Worker Safety: ite Good with minor 	ems such as (h exceptions		* *		D. With E. With M. Mon	in 5 years in 10 years iitor, Condition may	/ change &





			BRIDGE INSPE	CTION REP	ORT STEEL BENT	
Span: 1	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84a
DETAILS -	ABUT NUME	BER: 1			Span Length:	14' 10"
					Rot	
		PI	LE 3	PILE 2	PILE 1	
Descriptio	n: Looking V	Vest - (8) Strir	ngers 8"x1'5", (2	2) 3.75"x16.	5" Exterior Stringers, Steel	Cap with H14x89 Piles
Remarks:					-	
1. Rot - Ba	ckwall is rotte	d out, leaning,	and failing, mat	erial loss at	bottom - see photo	
2. S - Scou	r on North sid	de of abutment	- see photo			
3. Erosion	present at No	orthwest embai	nkment.			
Insper	cted By:	.le	oseph Holste, PE	:	Date Inspected:	12/11/2019





		BRIDGE INSPEC	CTION REP	ORT STEEL BENT	
Span: 2 Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84a
DETAILS - BENT NUME	BER: 2			Span Length:	7'-0"
	East - (8) Strin	gers 8"x1'5", (2)	3.75"x16.5	" Exterior Stringers, Stee	el Cap with H14x89 Piles
Remarks:	wall 2' high a	t channel adre			
 Short retaining gabior Top of built up bent sl 					
	ignied rotated				
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/11/2019





	BRI	DGE INSPECT	ION REPORT	STEEL STR	UCTURE				
Spans:	1	Alignment:	Tangent	Vert. Clear:	18' +-	Bridge No.	408.84b		
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	CREEK	Overall Length:	60'		
ENVIRONMENT		GIRDERS			A06 Bent		5		
E01 Scour	3	S01 Girder		5	A07				
E02 Channel	3	S02 Top Late	ral Braces	5	A08				
E03 Approach	N/A	S03 Bottom L	ateral Braces	5	A09				
DECK		S04 Cross Br	aces	5	MISC. OTHER				
D01 Ties (OD only)	5	S05 Bearings	1	5	M01				
D02 Ties Spacers	5	ABUTMENTS	S & PIERS		M02				
D03 Rail	5	A01 East Abu	ıtment	N/A	M03				
D04 Footwalk	4	A02 East Win	gwalls	N/A	M04				
D05 Handrail	4	A03 West Ab	utment	N/A					
D06 Floor Beams	5	A04 West Wir		N/A	Ove	rall Rating:	5		
D07 Ballast Curb	N/A	A05 Pier Cap		5					
			COMMENTS	S					
Reference				Remark					
Girder	Paint failure a	and surface rus	st.						
Channel		ation under brid							
Girder		at top of girde	The second secon						
Girder	-	1 0		bearing up aga	ainst the end	Is of the deck plate g	girder.		
		MAINTEN	ANCE RECOM	MENDATION	S				
Priority				Description					
D05, A	Repair walkw	201/		Description					
D05, A	Repair handr								
E02, B		ation under brid	dae						
E02, B		mining at pier 3	-						
		a piel	,						
	CONDI	TION RATING				PRIORITY			
1. Failed (may requ						ediately			
2. Deficient: OK for c	operations, but	requires Flagr	nan/Inspector fo	r all trains		in 1 year			
until repaired.			T	in 3 years					
3. Satisfactory but w	· · · · · · · · · · · · · · · · · · ·	1	in 5 years						
4. Worker Safety: ite	,	E. With	in 10 years						
	······································								
6. New Bridge	6. New Bridge - raise priority								
7. Not inspected: Re									
Inspecte	d Bv [.]	J	oseph Holste, P	E	Da	ate Inspected:	12/11/2019		

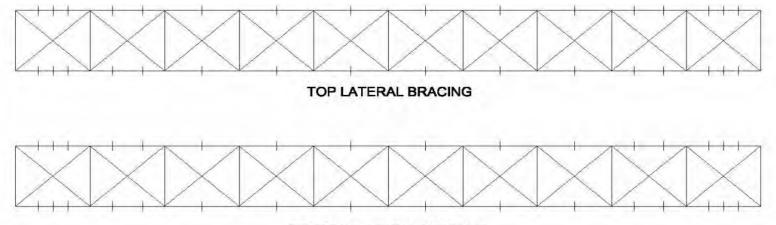




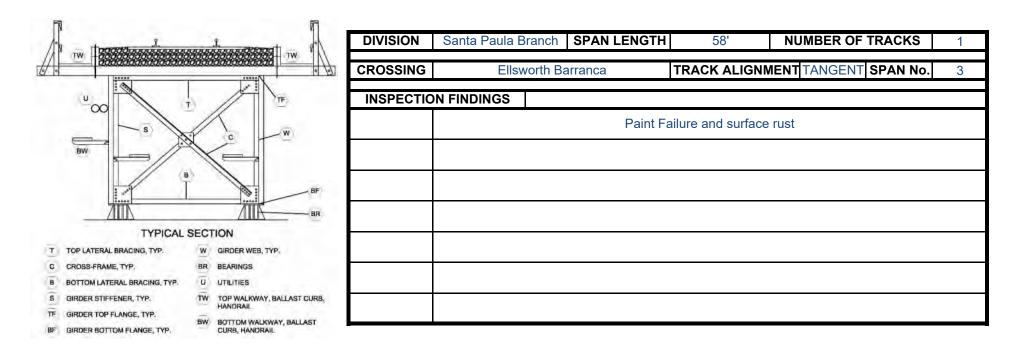
		BRIDGE INSPE	CTION REP	ORT STEEL BENT	
Span: 3 Alignment:		Vert. Clear:	Varies	Bridge No.	408.84b
DETAILS - BENT NUM				Span Length:	58'
	Nest/East Res	pectively - Stee	l Built-up C	ap with H14x89 Piles, Plates	Welded to Piles at Base
Remarks:	rath aida aa	- shata			
1. Gabion undermined -	horth side - se	e pnolo			
Inspected By:	Jc	oseph Holste, PE		Date Inspected:	12/11/2019







BOTTOM LATERAL BRACING



Inspected by: Joseph Holste, PE

Date: 12/11/2019

Bridge Number: 408.84b





	BRID	GE INSPECT	ION REPORT	- TIMBER ST	RUCTURE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	408.84c
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	22'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	5
E01 Scour	3	S01 Stringers 5		B09 Long Brace N/A		N/A	
E02 Channel	3	S02 Line Bolt	s	N/A	B10 Cap Long Brace		N/A
E03 Approach	3	S03 Bearing (@ Cap	5	B11 Shims		N/A
DECK		BENTS			MISC. OTHER		
D01 Ties (OD only)		B01 West Ba	ckwall	N/A	M01		
D02 Ties Spacers	N/A	B02 East Bac	kwall	3	M02		
D03 Rail	3	B03 Steel Ca	ps	5	M03		
D04 Ballast Floor	3	B04 Steel Pile	es	5	M04		
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A	Overall Rating: 4		
D06 Footwalk	4	B06 Posts		N/A			4
D07 Handrail	4	B07 Cross Br	aces	5			
			COMMENT	S			
Reference	Remark						
Handrail	Left side botto	Left side bottom handrail cable broken - see photo. Cables loose over entire bridge					
Walkway	Appears to ha	ve had equim	ent run over gra	iting and is caι	using trippi	ng hazard	
		MAINTEN	IANCE RECOM		S		
Priority				Description			
E02, A	Remove vege	Remove vegetation under all spans					
B02, E01, A		Repair backwall and scour before next rainy season					
D04, M	Ballast floor needs to be monitored for deterioration - Replace as necessary						
E03, B	Raise approaches on both ends						
D06, A	Replace walkway						
D07, A	Repair handrail cable						
	CONDI	ION RATING				PRIORITY	
1. Failed (may requ	uire bridae out c	f service)			A. Imm	ediately	
 Deficient: OK for operations, but requires Flagman/Inspector for all t 				r all trains	B. Within 1 year		
until repaired.					C. Within 3 years		
· · · · · · · · · · · · · · · · · · ·					D. Within 5 years		
Satisfactory but w		Slow order m	ay be required.		D. With	in 5 years	
			· · ·			•	
4. Worker Safety: ite	ems such as (ha		· · ·		E. With	in 10 years	/ change &
4. Worker Safety: ite	ems such as (ha		· · ·		E. With M. Mon	in 10 years itor, Condition may	v change &
 Worker Safety: ite Good with minor 	ems such as (ha exceptions		· · ·		E. With M. Mon	in 10 years	v change &





		BRIDGE INSPE	CTION REP	ORT STEEL BENT	
Span: 4 Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84c
DETAILS - BENT NUME	BER: 4			Span Length:	6' 0"
	Vest/East Res	pectively - Steel	Built-up C	ap with H14x89 Piles, Plates V	Velded to Piles at Base
Remarks:	aliabtly retates	l and shate			
1. Top of built-up bent is	signity rotated	i - see priolo			
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/11/2019





BRIDGE INSPECTION REPORT STEEL BENT						
Span: 5 Alignm		NGENT	Vert. Clear: Vari	es Bridge No.	408.84c	
DETAILS - BENT N	UMBER:	5		Span Length:	15' 2"	
Description: Looki	ng East -	(8) Strin	gers 8"x1'5", (2) 3.75"	x16.5" Exterior Stringers, Ste	el Cap with H14x89 Piles	
Inspected By:		Jo	oseph Holste, PE	Date Inspected:	12/11/2019	





	BF	IDGE INSPECTION RE	EPORT STEEL ABUTMENT	
Alignment:	TANGENT	Vert. Clear: Varie	es Bridge No.	408.84c
DETAILS - ABUT NUME	BER: 6		Span Length:	
Description: Looking E	ast - Steel Ca	p with H14x89 Piles		
Remarks:				
 Abutment timbers rotte Undermining Southeat 	en - see photo et Backwall - s	ee photo		
3. Erosion at the Southea	ast slone hehi	nd the wingwall - see pt	poto	
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/11/2019



408.84 Looking East



408.84 Looking West



408.84 Looking North



408.84 Looking South



408.84 Channel Condition - Looking Upstream



408.84 Channel Condition - Looking Downstream



408.84 Rotten/failing backwall at Abutment 1



408.84 Abutment 1 backwall leaning



408.84 Loose/broken handrail cable - Span 1 north side



408.84 Abutment 1 Backwall rotten



408.84 Scour at the base on Abutment 1



408.84 Typical inside girder view



408.84 Gabion undermined north side Pier 3



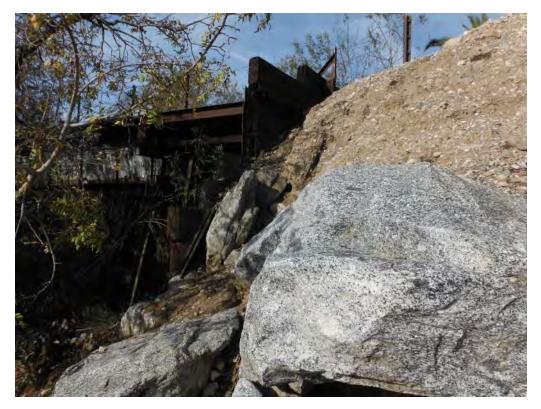
408.84 Pier 2 & 4 built up section rotated



408.84 Abutment 6 backwall rotten



408.84 Abutment 6 Southeast Backwall undermining



408.84 Erosion at Southeast slope behind wingwall





				BRIDGE IN	SPECTIO	ON REPO	ORT				
							SPECTION TYP	E:	Ann	ual	
	OTOU	ורדו וחר יא									_
.			IFORMATI	UN	-	<u> </u>	INSPECTIO				-
Milepost	409.74		-			Date	11-Dec-19				_
Location	Santa Paula Bi	ranch Line			-	-	or Name		oseph Holste		_
	Saticoy, CA				-	lelepho	one Number		303-501-12		_
Stream	X (Drainage)				Other		_ Company	W	/ilson & Corr	npany	-
	erating Speed:	-		-		\ <i>'</i>					
DECK	Туре:		Number o		1	-	Condition Rating	·	5		
	RAIL	-			Jointed		isual Condition I	Rating:	5		
		Notes:		paches east							_
	<u>TIES</u>	Туре:	Timber	_ Tie	Conditio	n Rating:	5	_			
		Notes:									_
	BALLAST	Depth:	14 in		Conditio	n Rating:	3	_			
		Notes:	Fouled ba	llast							_
	DECK PLANKS	Type:	Timber	_	Conditio	n Rating:	5	Notes:			_
	<u>OTHER</u>	Type:			Conditio	n Rating:		_			
SUPERS	TRUCTURE										
	Visual Conditio	on Rating	5								
	Type:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Lr	ngth.		-	Concrete		Steel		-
		Bridge:	Steel	•		-	Timber	16'	Concrete		-
		Type:	Truss			D	eck Girder		Through		-
			Trestle			×			Girder		
			Num Spai	าร		1	Approx. S	pan Lei		16'	-
		Notes:			Deck Tre		- ··				_
									_		-
SUBSTR	UCTURE										
	Visual Conditio	on Rating		5							
	Bent:	0		Туре			– Notes	i			
	Abutment:		5	 Туре	Con	crete					-
	Wingwalls:		•	 Туре							-
	Embank			 Type			Notes				
	Footing			 Type			_ Notes				_
	Inaccessible ar			_турс							_
		643.									-
SIREAM	CHANNEL Visual Conditic	n Doting	5								
	Stream Depth	1"	5 Scour Evi	dence			Moving Water		ves		
	Notes	Concrete	-	achie			_ Moving Water		yee		_
		_									-
OVERAL	L RATING										
	High Priority		Medium F	Priority			Low Priority		Х		
	- •		-	-							

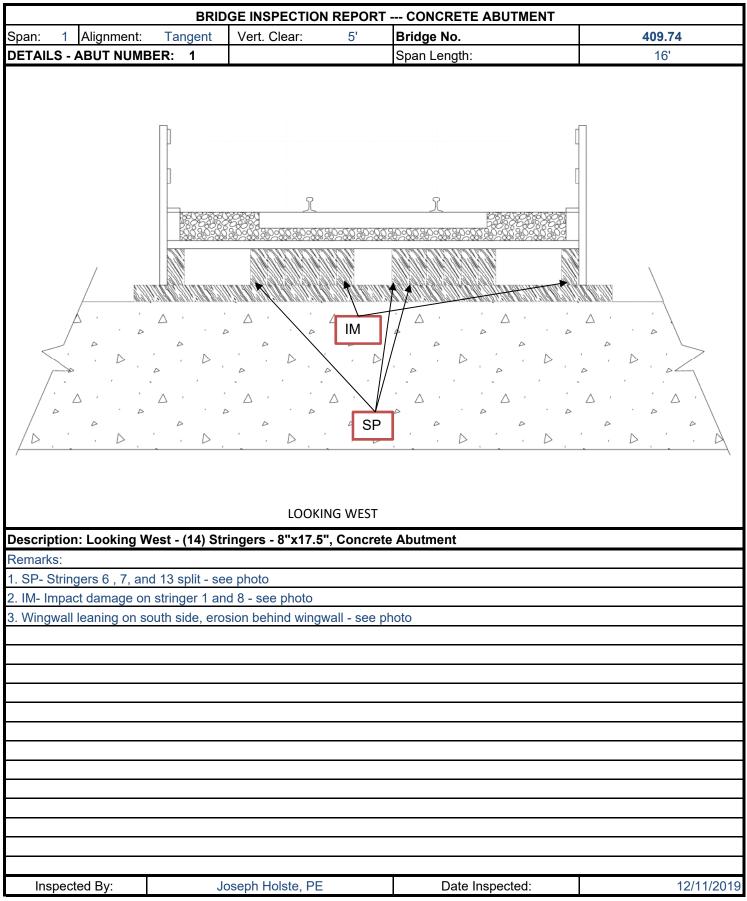




Spans:	BRID	GE INSPECT	ION REPORT	- TIMBER ST	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	5'	Bridge No.	409.74
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	16'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers	5	5	B09 Long	Brace	N/A
E02 Channel	5	S02 Line Bolt	S	N/A	B10 Cap I	_ong Brace	N/A
E03 Approach	3	S03 Bearing (@ Cap	5	B11 Shim	s	N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	5	M01 Appr	oches	
D02 Ties Spacers	N/A	B02 East Bac	kwall	5	M02		
D03 Rail	5	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A	M04		
D05 Ballast Retainer		B05 Framed I	Bents	N/A			
D06 Footwalk	5	B06 Posts		N/A	Ove	rall Rating:	5
D07 Handrail	5	B07 Cross Br	aces	N/A			
			COMMENT	S			
Reference				Remark			
BEES	Bees have ma	ade a hive in e	ast backwall				
		MAINTEN	ANCE RECOM	MENDATION	S		
Priority				Description			
E03, B	Replace balla	st		Description			
,	REMOVE BE						
E03, D	Raise approa	CITES					
	001101						
	CONDI	TION RATING			I	PRIORITY	
	na la mintar (1		
1. Failed (may requi	re priage out c	of service)			A. Imm	ediately	
 Failed (may required) Deficient: OK for op 		,	nan/Inspector fo	r all trains		ediately in 1 year	
		,	nan/Inspector fo	r all trains	B. With		
2. Deficient: OK for op until repaired.	perations, but	requires Flagn		r all trains	B. With C. With	in 1 year in 3 years	
 Deficient: OK for or until repaired. Satisfactory but wit 	berations, but	requires Flagn Slow order m	ay be required	r all trains	B. With C. With D. With	in 1 year in 3 years in 5 years	
 Deficient: OK for op until repaired. Satisfactory but wit Worker Safety: iten 	h exceptions: h exceptions: ns such as (h	requires Flagn Slow order m	ay be required	r all trains	B.WithC.WithD.WithE.With	in 1 year in 3 years in 5 years in 10 years	change &
 Deficient: OK for op until repaired. Satisfactory but wit Worker Safety: iten Good with minor ex 	h exceptions: h exceptions: ns such as (h	requires Flagn Slow order m	ay be required	r all trains	B.WithC.WithD.WithE.WithM.Mon	in 1 year in 3 years in 5 years in 10 years itor, Condition may	change &
 Deficient: OK for op until repaired. Satisfactory but wit Worker Safety: iten 	h exceptions, but h exceptions: ns such as (h cceptions	requires Flagn Slow order m	ay be required	r all trains	B.WithC.WithD.WithE.WithM.Mon	in 1 year in 3 years in 5 years in 10 years	change &

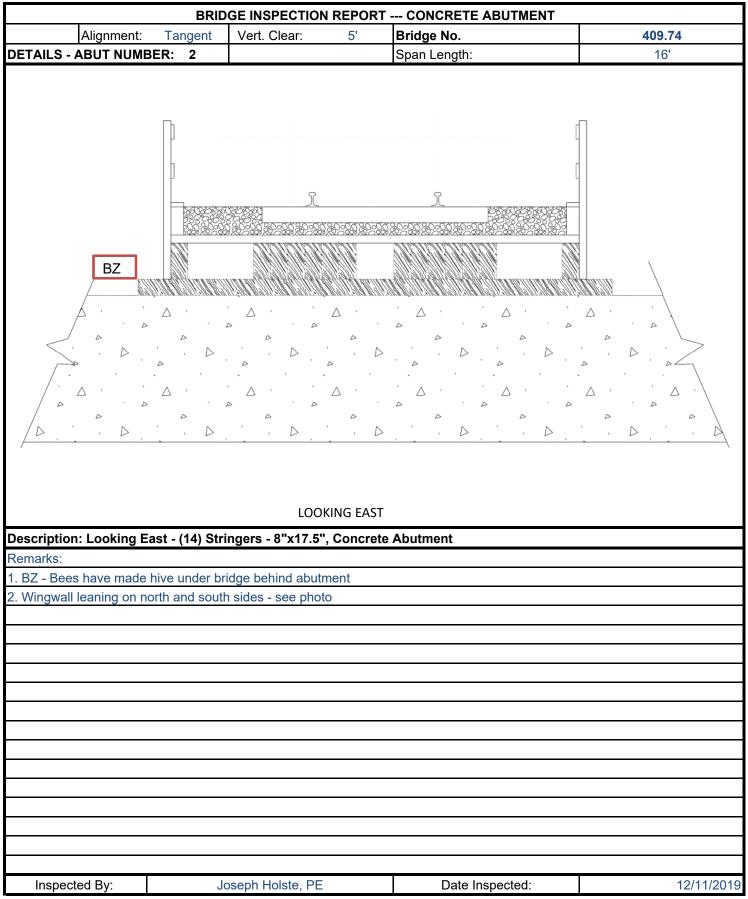














409.74 Looking East



409.74 Looking West



409.74 Looking North



409.74 Looking South



409.74 Stringer 1 impact damage



409.74 Stringer 6 split



409.74 Stringer 7 split on vertical face



409.74 Stringer 8 impact damage



409.74 Stringer 13 split on vertical face



409.74 Backwall on South side leaning





				BRIDGE IN	SPECTIO	ON REPO	DRT				
						INS	SPECTION TYP	E:	Anr	nual	
								•			
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	410.40		_			Date	11-Dec-19	Time	10:20	D AM	
Location	Santa Paula Br	anch Line			_	Inspecto	or Name	Jo	oseph Holst	te, PE	
	Saticoy, CA				-	Telepho	ne Number		303-501-1	215	
Stream	X (Todd's Ba	arranca)	Overpass		Other		Company	y W	/ilson & Cor	npany	_
Train Ope	rating Speed:				15 mph						-
DECK	Туре:	Open		-		Visual C	ondition Rating		5		
	RAIL		-		Jointed	-	isual Condition	-			
	TOUL	Notes:	-	aches at ea		-		rtating.			
	TIES	Type:	Timber				5				-
	1123	•••	ППрег		Conditio	n nauny.	5	_			
	DALL 407	Notes:	N1/A		0 111						-
	BALLAST	Depth:	N/A	Ballast	Conditio	n Rating:		_			
		Notes:									-
	DECK PLANKS		N/A					_Notes:			_
	<u>OTHER</u>	Type:	u		Conditio	n Rating:		_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5	_							
	Туре:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Ln	gth.		-	Concrete		Steel		
		Bridge:	Steel	X		-	Timber		Concrete		_
		Type:	Truss			- De	eck Girder	40'	Through		-
		51	Trestle			-	-		Girder		
			Num Spar	15		2	Approx. S	Snan Lei		39'	-
		Notes:	Hum opui				Built 1915	Span Loi	iguio .	00	-
		Notes.		Open De			Suit 1919		-		-
спротр											
SUBSTRU	Visual Conditio	n Poting		5							
		mauny		-			- Notor	_			
	Bent:		<i>_</i>	Туре			- Notes				
	Abutment:		5	Туре		crete					-
	Wingwalls:		5	_Туре	Con	crete					-
	Embank			Туре			Notes				_
	Footing			Туре			Notes	S			_
	Inaccessible ar	eas:									_
STREAM	CHANNEL										
	Visual Conditio	n Rating	5								
	Stream Depth	6"	Scour Evi	dence	r	าด	Moving Water		yes		
	Notes	Major del	oris under b	oridge			-				
											_
OVERAL	L RATING										
	High Priority		Medium P	riority			Low Priority		Х		

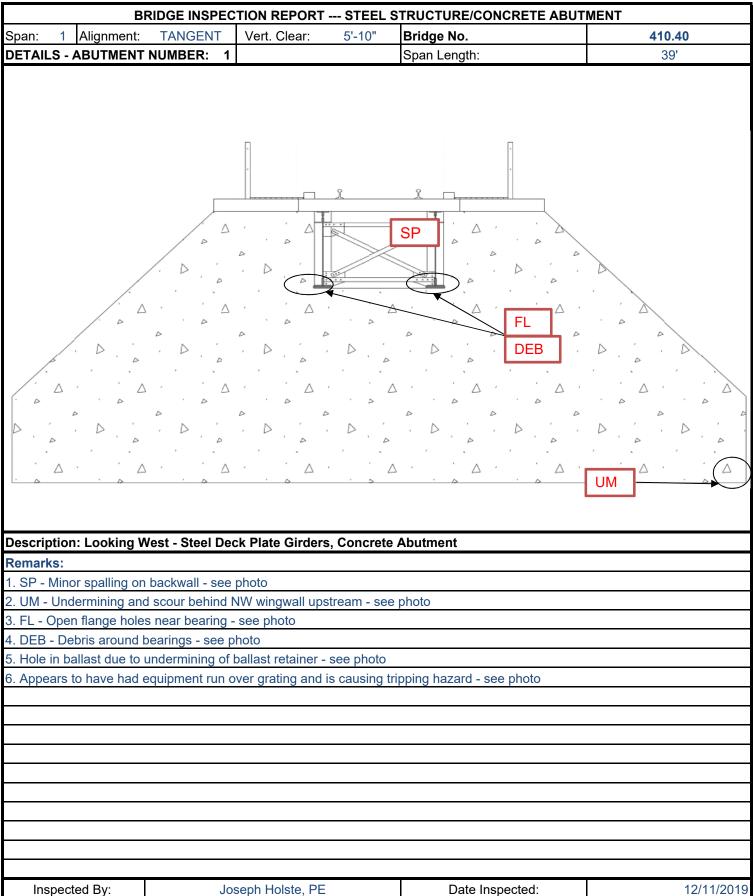




	BR	IDGE INSPECT	FION REPORT -	STEEL STR	UCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	5'-10"	Bridge No.	410.40
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	River	Overall Length:	40'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	3	S02 Top Late	eral Braces	5	A08		
E03 Approach	3	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. OT	HER	
D01 Ties (OD only)	5	S05 Bearings	6	5	M01		
D02 Ties Spacers	5	ABUTMENTS	S & PIERS		M02		
D03 Rail	5	A01 East Abu	utment		M03		
D04 Footwalk	5	A02 East Wir	ngwalls	5	M04		
D05 Handrail	3	A03 West Ab		5			
D06 Floor Beams	5	A04 West Wi		3	Ove	erall Rating:	4
D07 Ballast Curb	N/A	A05 Pier Cap		5			
			COMMENT	S			
Reference				Remark			
Handrail			ides - see photo				
Structure			ced, need more,		htened -se	e photo	
Utility			g, North side - ur				
Wingwall	NW and SW	/ ballast retainer	r undermined - s	ee photo			
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority		MAINTEN	NANCE RECOM		\$		
Priority F02 B	Remove ver			Description			
E02, B		getation from un	NANCE RECOM	Description			
E02, B E03, B	Raise appro	getation from un baches		Description			
E02, B E03, B D05, A	Raise appro	getation from un paches Irail	der and around	Description bridge structu			
E02, B E03, B D05, A D01, B - J-Bolts	Raise appro Repair hand J-Bolts need	getation from un baches Irail d to be installed	ider and around	Description bridge structu ovement			
E02, B E03, B D05, A	Raise appro Repair hand J-Bolts need	getation from un baches Irail d to be installed	der and around	Description bridge structu ovement			
E02, B E03, B D05, A D01, B - J-Bolts	Raise appro Repair hand J-Bolts need	getation from un baches Irail d to be installed	ider and around	Description bridge structu ovement			
E02, B E03, B D05, A D01, B - J-Bolts	Raise appro Repair hand J-Bolts need	getation from un baches Irail d to be installed	ider and around	Description bridge structu ovement			
E02, B E03, B D05, A D01, B - J-Bolts	Raise appro Repair hand J-Bolts need	getation from un baches Irail d to be installed	ider and around	Description bridge structu ovement			
E02, B E03, B D05, A D01, B - J-Bolts	Raise appro Repair hand J-Bolts need Repair west	getation from un baches Irail d to be installed	ider and around to prevent tie mo vent further balla	Description bridge structu ovement		PRIORITY	
E02, B E03, B D05, A D01, B - J-Bolts A04, B	Raise appro Repair hand J-Bolts need Repair west	getation from un paches drail d to be installed wingwall to pre	ider and around to prevent tie mo vent further balla	Description bridge structu ovement			
E02, B E03, B D05, A D01, B - J-Bolts A04, B	Raise appro Repair hand J-Bolts need Repair west	getation from un paches drail d to be installed wingwall to pre DITION RATING	ider and around to prevent tie mo vent further balla	Description bridge structu ovement ast loss	re A. Imm	ediately	
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for	Raise appro Repair hand J-Bolts need Repair west	getation from un paches drail d to be installed wingwall to pre DITION RATING	ider and around to prevent tie mo vent further balla	Description bridge structu ovement ast loss	A. Imm B. With	ediately in 1 year	
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for until repaired.	Raise appro Repair hand J-Bolts need Repair west	getation from un paches drail d to be installed wingwall to pre DITION RATING t of service) ut requires Flagr	ider and around to prevent tie mo vent further balls	Description bridge structu ovement ast loss	A. Imm B. With C. With	ediately in 1 year in 3 years	
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v	Raise appro Repair hand J-Bolts need Repair west CONE uire bridge out operations, bu	getation from un paches drail d to be installed wingwall to pre DITION RATING t of service) at requires Flagr s: Slow order m	ider and around to prevent tie movent further balla man/Inspector fo	Description bridge structu ovement ast loss	A. Imm B. With C. With D. With	ediately in 1 year in 3 years in 5 years	
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: it	Raise appro Repair hand J-Bolts need Repair west CONE uire bridge out operations, bu with exceptions ems such as (getation from un paches drail d to be installed wingwall to pre DITION RATING t of service) at requires Flagr s: Slow order m	ider and around to prevent tie movent further balla man/Inspector fo	Description bridge structu ovement ast loss	A. Imm B. With C. With D. With E. With	ediately in 1 year in 3 years in 5 years in 10 years	chance &
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite 5. Good with minor	Raise appro Repair hand J-Bolts need Repair west CONE uire bridge out operations, bu with exceptions ems such as (getation from un paches drail d to be installed wingwall to pre DITION RATING t of service) at requires Flagr s: Slow order m	ider and around to prevent tie movent further balla man/Inspector fo	Description bridge structu ovement ast loss	A. Imm B. With C. With D. With E. With M. Mor	ediately in 1 year in 3 years in 5 years in 10 years itor, Condition may	change &
E02, B E03, B D05, A D01, B - J-Bolts A04, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: it	Raise appro Repair hand J-Bolts need Repair west CONE uire bridge out operations, bu with exceptions ems such as (exceptions	getation from un paches drail d to be installed wingwall to pre DITION RATING t of service) at requires Flagr s: Slow order m	ider and around to prevent tie movent further balla man/Inspector fo	Description bridge structu ovement ast loss	A. Imm B. With C. With D. With E. With M. Mor	ediately in 1 year in 3 years in 5 years in 10 years	change &

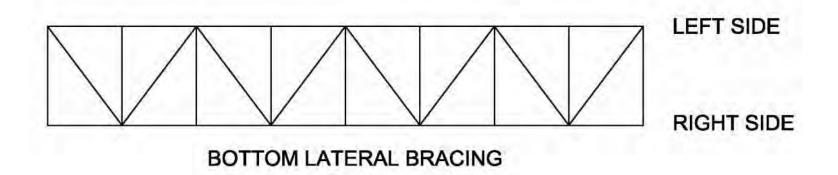












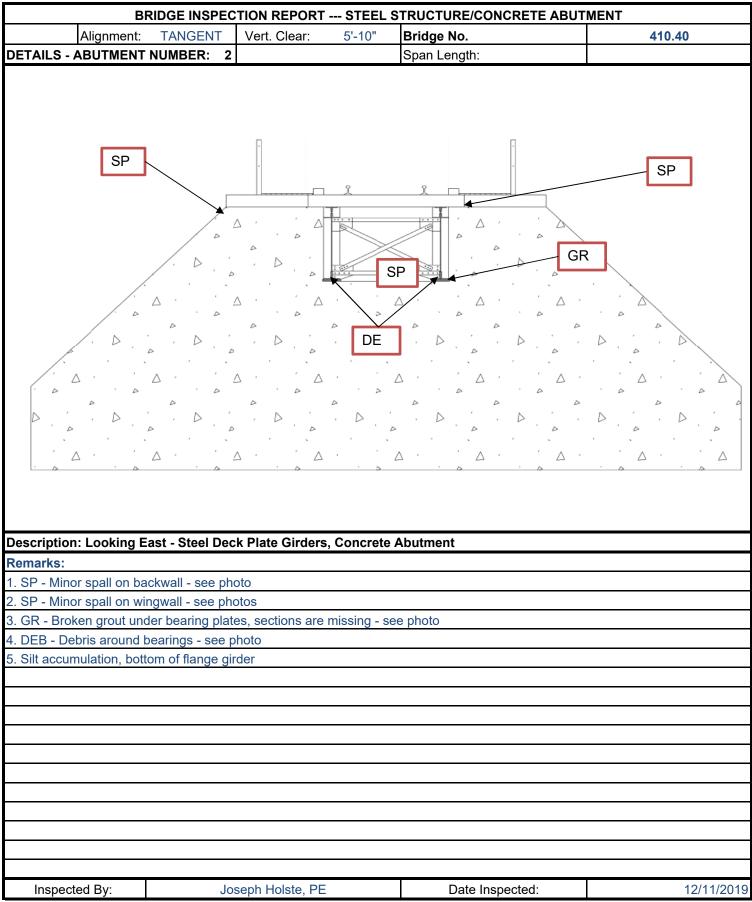
DIVISION	Santa Paula	SPAN LENGTH	39'	NUMBER OF TRACKS	1
CROSSING			TRACK ALIGNN	IENT TANGENT SPAN No.	1
INSPECTIO	N FINDINGS				
	Deck girder is in fair	condition with pair	nt failure and surfa	ace rust - see photo	

12/11/2019

Bridge Number: 410.40









410.40 Looking East



410.40 Looking West



410.40 Looking North



410.40 Looking South



410.40 Channel Condition - Looking Upstream



410.40 Channel Condition - Looking Downstream



410.40 Loose handrail cables (Typ.)



410.40 Grating causing tripping hazard



410.40 NW ballast retainer undermining



410.40 NW Hole in Ballast due to Undermining



410.40 Undermining and Scour behind NW Wingwall Upstream



410.40 Open Flange Holes near Bearing, Abutment 1



410.40 Backwall spall – Abutment 1



410.40 Debris around bearings. Abutment 1 & 2



410.40 Deck girder is in fair condition with paint failure and surface rust



410.40 J-bolt current conditions



410.40 Broken grout under bearing plates, Abutment 2



410.40 Backwall spall – Abutment 2



410.40 NE Wingwall spall – Abutment 2



410.40 SE Wingwall Spall – Abutment 2





				BRIDGE	INSPECTIC	N REPO	RT				
						INS	PECTION TYP	E:	Anr	nual	
	STDU		IFORMATIO				INSPECTIO				
N 4:1 4				JN		Data					-
Milepost	411.97	and the second	-			Date	11-Dec-19				_
Location	Santa Paula Br	anch Line				Inspecto			oseph Holst		_
	Saticoy, CA		_			lelephor	ne Number		303-501-1		_
Stream	X (Haines Ba				Other		Company	/W	ilson & Cor	mpany	_
	erating Speed:										
DECK	Туре:		Number of				ondition Rating	-	3		
	RAIL	Weight:	80 #	Type:	Jointed	Vi	isual Condition	Rating:	3		
		Notes:	Low appro	aches ea	ast and west	- 1" plus.	. NW rail section	n loss - s	see photo.		
	TIES	Type:	Timber	_ 7	Tie Conditior	n Rating:	5	_			
		Notes:									
	BALLAST	Depth:	12 in	Balla	ast Conditior	n Rating:	5				
		Notes:		-		-		-			
	DECK PLANKS	Type:	N/A		Conditior	n Rating:		Notes:			_
	OTHER	Туре:	Concrete	-		•	5				-
								-			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	-	Number ba	arrels		Roi	und or Rect		Size		
	1990.	Garron.	Approx Ln				Concrete		Steel		_
		Bridge:	Steel	gui.			Timber		Concrete	30'	_
		-							-	30	_
		Туре:	Truss			De	eck Girder		Through		
			Trestle			4			Girder	0.01	_
			Num Spar			1	Approx. S	span Ler	ngths	30'	_
		Notes:		Concret	e Double Bo	x Girder	- Built 1965		-		
SUBSTRI	Visual Conditio	n Poting			5						
		nnaung			5		Notos				
	Bent:		<i>г</i>	Туре	Concret		Notes		llee		_
	Abutment:		5	Type -	Concrete	e cap		Steel p			_
	Wingwalls:			Туре							_
	Embank			_Туре			Notes				_
	Footing			Туре			Notes				_
	Inaccessible ar	eas:									_
STREAM	CHANNEL										
	Visual Conditio	-	5	_							
	Stream Depth	0	Scour Evic	dence	n	0	Moving Water		no		_
	Notes	Minor veç	getation								_
											-
OVERAL			Madhum	nio nite e			Low Drivet		V		
	High Priority		Medium P	nonty			Low Priority		Х		

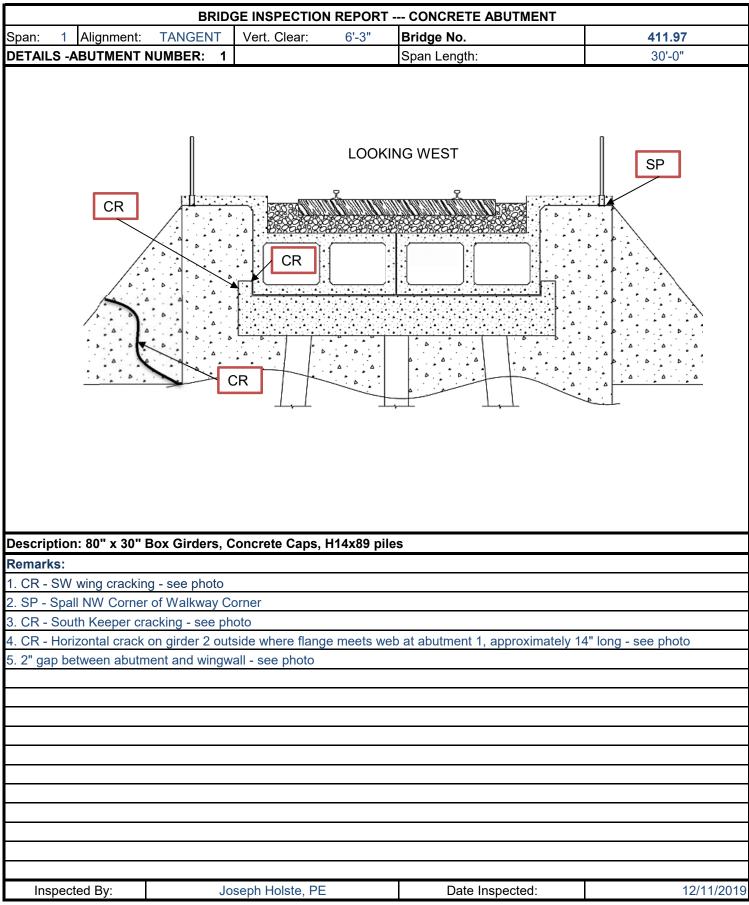




Spans:	סגוטע	GE INSPECTIO	N REPORT	CONCRETE	STRUCTUF	RE	
	1	Alignment:	Tangent	Vert. Clear:		Bridge No.	411.97
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Stream	Overall Length:	30'-0"
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
E01 Scour	5	S01 Girder	1	5	A07 Piles		5
E02 Channel	5	S02 Bearings	3	N/A	A08		
E03 Approach	3	ABUTMENT			A09		
DECK		A01 East Abu	utment	5	MISC. OT	THER	
D01 Rail	3	A02 East Wir	ngwalls	5	M01		
D02 Footwalk	5	A03 West Ab		5	M02		
D03 Handrail	4	A04 West Wi	ngwalls	5	M03		
D04		A05 Bent Cap	-	5	M04		
D05		·					_
					Ove	erall Rating:	5
			COMMEN				
Reference				Remark			
Handrail			sides, broken o	n north side - s	see photo		
Rail		on loss - see p					
Wingwall	SW wingwal	cracking -see	photo				
		MAINTEN			IS		
Driority		MAINTEN	NANCE RECOM		IS		
,	Poplace reil			IMENDATION Description	IS		
D01, B		to meet tonnag			IS		
D03, A	Repair hand	to meet tonnag rail			IS		
D01, B		to meet tonnag rail			IS		
D01, B D03, A	Repair hand	to meet tonnag rail			15		
D01, B D03, A	Repair hand	to meet tonnag rail					
D01, B D03, A	Repair hand	to meet tonnag rail			IS		
D01, B D03, A	Repair hand	to meet tonnag rail			IS		
D01, B D03, A	Repair hand	to meet tonnag rail					
D01, B D03, A	Repair hand Raise approx	to meet tonnag rail	je use			PRIORITY	
D01, B D03, A E03, B	Repair hand Raise approx	to meet tonnag rail aches ITION RATING	je use				
D01, B D03, A E03, B 1. Failed (may re	Repair hand Raise approx	to meet tonnag rail aches ITION RATING of service)	le use	Description	A. Imm	ediately	
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo	Repair hand Raise approx	to meet tonnag rail aches ITION RATING of service)	le use	Description	A. Imm B. With	ediately in 1 year	
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo until repaired.	Repair hand Raise approx COND equire bridge out pr operations, but	to meet tonnag rail aches ITION RATING of service) t requires Flagr	e use	Description	A. Imm B. With C. With	ediately in 1 year in 3 years	
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but	Repair hand Raise approx COND equire bridge out or operations, but t with exceptions	to meet tonnag rail aches ITION RATING of service) t requires Flagr : Slow order m	e use man/Inspector fo	Description	A. Imm B. With C. With D. With	ediately in 1 year iin 3 years iin 5 years	
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety:	Repair hand Raise approx COND equire bridge out or operations, but t with exceptions items such as (I	to meet tonnag rail aches ITION RATING of service) t requires Flagr : Slow order m	e use man/Inspector fo	Description	A. Imm B. With C. With D. With E. With	ediately iin 1 year iin 3 years iin 5 years iin 10 years	
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: 5. Good with mino	Repair hand Raise approx COND equire bridge out or operations, but t with exceptions items such as (I	to meet tonnag rail aches ITION RATING of service) t requires Flagr : Slow order m	e use man/Inspector fo	Description	A. Imm B. With C. With D. With E. With M. Mor	ediately in 1 year in 3 years in 5 years in 10 years iitor, Condition may	r change &
D01, B D03, A E03, B 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety:	Repair hand Raise approx COND equire bridge out or operations, but with exceptions items such as (I or exceptions	to meet tonnag rail aches ITION RATING of service) t requires Flagr : Slow order m	e use man/Inspector fo	Description	A. Imm B. With C. With D. With E. With M. Mor	ediately iin 1 year iin 3 years iin 5 years iin 10 years	r change &

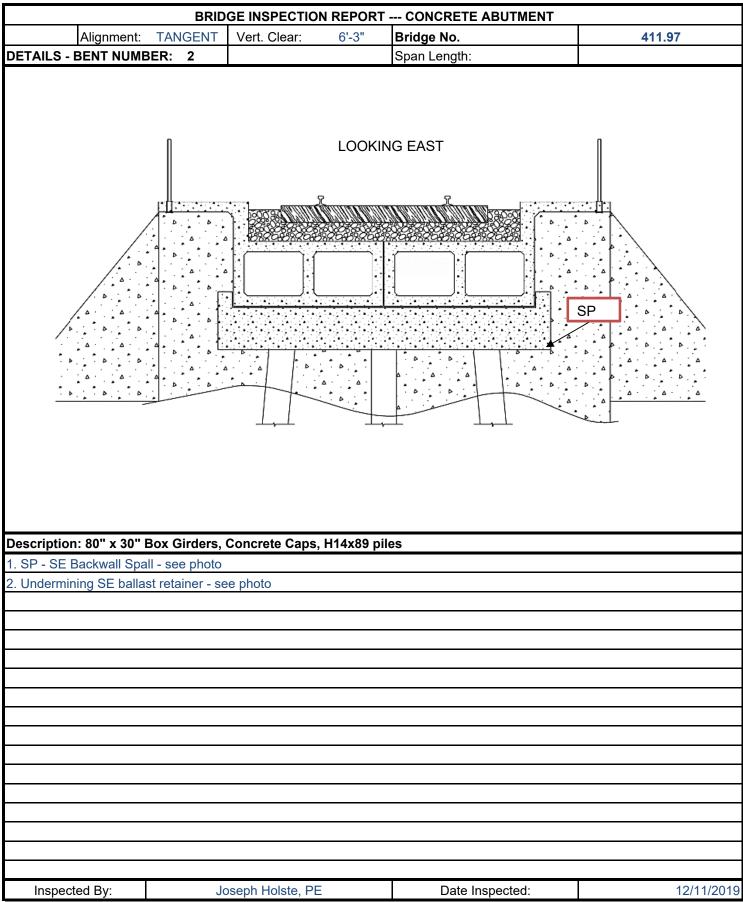














411.97 Looking East



411.97 Looking West



411.97 Looking North



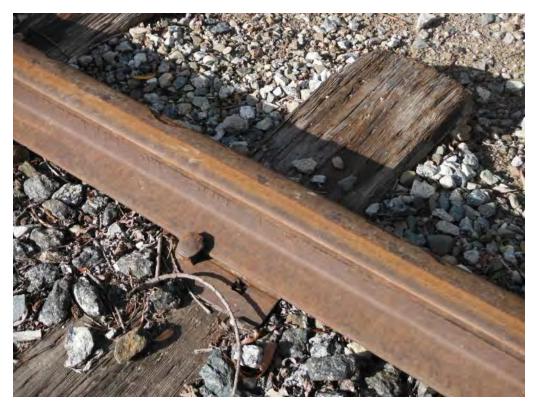
411.97 Looking South



411.97 Channel Conditions - Looking Upstream



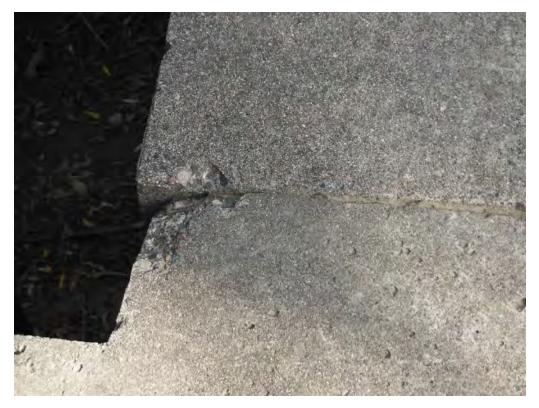
411.97 Channel Conditions - Looking Downstream



411.97 NW rail section loss



411.97 Handrail loose (typ.)



411.97 Spall on NW Corner of Walkway



411.97 Abutment 2 undermining SE Ballast retainer



411.97 Southwest wingwall cracking



411.97 Abutment 1 South keeper cracking



411.97 2" gap between Abutment 1 and wingwall



411.97 Girder 1 cracking at Abutment 1



411.97 Southeast Backwall Spall





				BRIDGE IN	SPECTIC	ON REPC	DRT				
						INS	SPECTION TYP	E:	Ann	ual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	412.25			••••	•	Date	11-Dec-19) AM	-
-	Santa Paula Br	anch Line	-				or Name		oseph Holst		-
	Saticoy, CA				-		ne Number		303-501-1		-
Stream	X (Unknown	creek)	Overpass		Other	•			/ilson & Cor		-
	erating Speed:	/			-			·			-
DECK	Туре:			f Tks		Visual C	ondition Rating		5		
	RAIL		-	Type:		-	isual Condition	-	3		
		Notes:		aches east				υ.			
	TIES		Timber				3 due to split ti	es			-
		Notes:		_		0		-			
	BALLAST	Depth:	N/A	Ballast	Conditio	n Rating:					-
		Notes:		-		Ū		-			
	DECK PLANKS	Type:	N/A		Conditio	n Rating:		Notes:			-
	OTHER	Туре:			Conditio						-
					-	Ũ		_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	-	Number b	_ arrels		Ro	und or Rect		Size		
		-	Approx Lr			•	Concrete		Steel		-
		Bridge:	Steel	X		•	Timber		Concrete		-
		Туре:	Truss			•	eck Girder		Through		-
			Trestle						Girder	29'	
			Num Spar	าร		1	Approx. S	Span Lei	-	29'	-
		Notes:			Plate Giro				.g		-
									-		-
SUBSTRI	UCTURE										
CODONA	Visual Conditio	n Rating		5							
	Bent:	0		Туре			- Notes	5			
	Abutment:		5	Туре	Con	crete					-
	Wingwalls:			Туре							
	Embank			Туре			- Notes				
	Footing			Туре	1		- Notes				-
	Inaccessible ar	eas:			1		-				-
											-
STRFAM	CHANNEL										
	Visual Conditio	n Rating	5								
	Stream Depth	0	Scour Evi	dence	r	10	Moving Water		no		
	Notes	Minor veg	getation				-				_
											_
OVERAL									V		
	High Priority		Medium P	riority			Low Priority		Х		

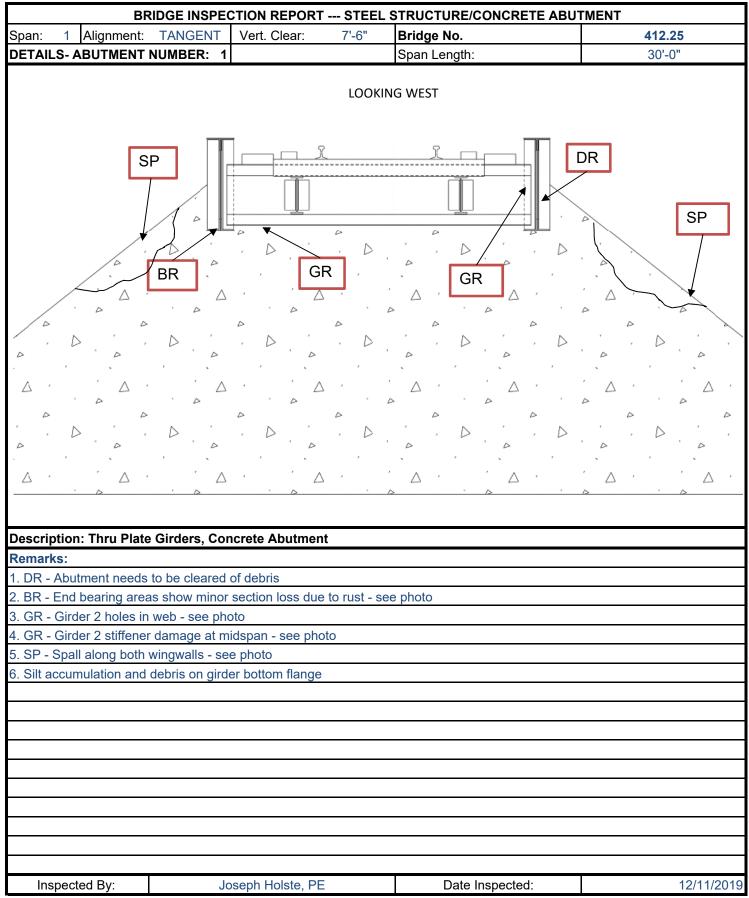




		IDGE INSPECT		STEEL STR	UCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	7'-6"	Bridge No.	412.25
No. of Tks:	1	Deck Type:	Open	Br. Over:	Creek	Overall Length:	30'-0"
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	3	S02 Top Late	eral Braces	5	A08		
E03 Approach	3	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. OT	HER	
D01 Ties (OD only)	3	S05 Bearings	6	5	M01		
D02 Ties Spacers	5	ABUTMENTS			M02		
D03 Rail	5	A01 East Abu	utment	5	M03		
D04 Footwalk	N/A	A02 East Wir	ngwalls	5	M04		
D05 Handrail	N/A	A03 West Ab	-	5			
D06 Floor Beams	5	A04 West Wi	ngwalls	5	Ove	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		5		_	-
			COMMENT	S			
Reference				Remark			
Walkway	No handrail	or walkway					
Curb	Damage to t	timber curb at e	ast end - see ph	oto			
		MAINTEN	NANCE RECON		S		
Priority				Description			
E02, A	Remove ver	netation from un	der and around				
S05, B			earings both en	-			
E03, B		aches both end		40			
D01, B		ard timbers and					
D01, B	Add handrai		opiit doo				
200, 2							
	COND	DITION RATING	i			PRIORITY	
1. Failed (may rec						ediately	
2. Deficient: OK for	operations, bu	it requires Flagr	nan/Inspector fo	or all trains		in 1 year	
until repaired.						in 3 years	
3. Satisfactory but		: Slow order m	av he required		D. With	in 5 years	
			· · ·				
		handrail, footwa	· · ·			in 10 years	
5. Good with minor		handrail, footwa	· · ·		M. Mor	itor, Condition may	change &
 Good with minor New Bridge 	exceptions	handrail, footwa	· · ·		M. Mor		change &
5. Good with minor	exceptions Reason stated		· · ·		M. Mor - raise	itor, Condition may	change & 12/11/201

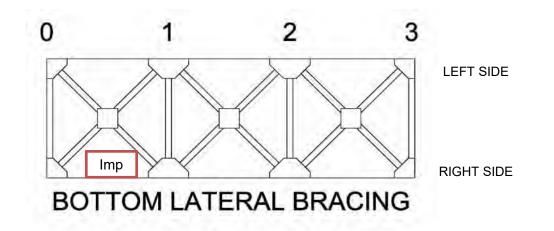












DIVISION	Santa Paula	SPAN LENGTH	29'	NUMBER OF TRACKS 1
CROSSING	Cre	eek	TRACK ALIG	NMENT TANGENT SPAN No. 1
INSPECTION	FINDINGS			
Imp	Bay #1 right sid	le cross bracing she	ow signs of imp	act and slight deflection - see photo
	Del	bris build-up on bott	om flange, bea	rings, and cross bracing

Joseph Holste, PE

12/11/2019

Bridge Number: 412.25





BF		TION REPORT S	TEEL ST	RUCTURE/CONCRETE ABU	ſMENT
Alignment:	TANGENT	Vert. Clear: 7'-	-6" E	Bridge No.	412.25
DETAILS-ABUTMENT	NUMBER: 2		S	Span Length:	
Description: Thru Plate Remarks: 1. Abutment needs to be 2. End bearing areas sh 3. Pack rust at bearing p 4. SP - Spalling along no	e cleared of del ow minor sectio plates - see pho	oris on loss due to rust			
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/11/2019



412.25 Looking East



412.25 Looking West



412.25 Looking North*



412.25 Looking South

*Image for 2018, no changes for 2019.



412.25 Channel Condition - Looking Upstream



412.25 Channel Condition - Looking Downstream



412.25 Damaged curbs at east end



412.25 Split Tie



412.25 Minor impact damage near Abutment 1



412.25 Minor section loss/pack rust at bearings (typ.)



412.25 Pack rust at bearing plates (typ.)



412.25 Hole in web and stiffener damage at midspan G2



412.25 Spalling on wingwall – see report for locations





				BRIDGE IN	SPECTIC	ON REPO	RT			
						INS	PECTION TYP	E:	Annual	
	STRU		IFORMATI	ON			INSPECTIO		RMATION	
Milepost	415.20					Date			12:45 PM	_
-	Santa Paula Br	anch Line	-			·	r Name		oseph Holste, PE	
Location	Santa Paula, C				-	-	ne Number		303-501-1215	
Stream	X (Draina		Overpass		Other	relephol		-		
	erating Speed:	- /			-		Company	<u></u>	/ilson & Company	
DECK			Number o				andition Dating		3	
DECK		-	-			-	ondition Rating	Dotina:		
	RAIL	-	80 #		Jointed		sual Condition I	Raung.	3	
	TIFO			baches east			<i>_</i>			
	TIES	Type:	Timber		Condition	n Rating:	5	-		
	DALLAGT	Notes:	40.1		0 111					
	BALLAST	Depth:	12 in	-			3	_		
		Notes:		llast and hol				N 1 <i>i</i>	D : 1	
	DECK PLANKS		Timber	-			Unknown		Buried	
	OTHER	Туре:			Condition	n Rating:		-		
SUPERS	TRUCTURE		_							
	Visual Conditio	-	7	-		_				
	Туре:	Culvert:	Number b			•	ind or Rect		Size	
			Approx Lr	igth.		•	Concrete		Steel	
		Bridge:	Steel			•	Timber	15'	Concrete	
		Type:	Truss				eck Girder		Through	
			Trestle						Girder	
			Num Spa				Approx. S	•	ngths 13'9	
		Notes:	Ballas	t Deck Timb	er Trestle	e - Built 19	950 - Inaccessil	ole		
SUBSTRI										
SOBOTIN	Visual Conditio	n Rating		7						
	Bent:			Туре			Notes	;		
	Abutment:			 Type	Concret	e				
	Wingwalls:			 Type	00110101					
	Embank			_туре			Notes			
	Footing			 Type						
	Inaccessible an	eas:	Linable to	inspect due	to silting		1000	·		
		003.			to sitting					
STDEAM	CHANNEL									
SIREAM	Visual Conditio	n Ratina	5							
	Stream Depth	0	Scour Evi	dence	r	10	Moving Water		no	
	Notes	Fully silte			· · · ·		inothing trater		110	
OVERAL	L RATING									
	High Priority		Medium F	riority			Low Priority		X	





	BRIDG	E INSPECTI	ION REPORT -	IIIMBER 31	RUCTURE		
Spans:		lignment:	Tangent	Vert. Clear:	None	Bridge No.	415.20
No. of Tks:	1 D	eck Type:	Ballast	Br. Over:	Drainage	Overall Length:	15'
ENVIRONMENT	S	TRINGERS			B08 Sash	Brace	N/A
E01 Scour	5 S	01 Stringers		7	B09 Long	Brace	N/A
E02 Channel	5 S	02 Line Bolt	s	N/A	B10 Cap L	ong Brace	N/A
E03 Approach	3 S	03 Bearing (@ Cap	7	B11 Shim	-	N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	5 B	01 West Ba	ckwall	7	M01		
D02 Ties Spacers	N/A B	02 East Bac	kwall	7	M02		
D03 Rail	3 B	03 Caps		7	M03		
D04 Ballast Floor	7 B	804 Piles		7	M04		
D05 Ballast Retainer	3 B	05 Framed E	Bents	N/A			
D06 Footwalk	5 B	06 Posts		N/A	Ove	rall Rating:	4
D07 Handrail	4 B	07 Cross Br	aces	N/A		_	
			COMMENT	S			
Reference				Remark			
Handrail	Timber handrail	l is in poor co	ondition, broken	on east side.	Missing nor	th and southeast s	ide.
Structure	Minor charring f				- v		
Wingwall	SW & SE wingw	valls underm	ined - see phot	os			
Ballast	Holes in ballast,						
		MAINTEN	IANCE RECOM	IMENDATION	<u> </u>		
Priority		MAINTEN	IANCE RECON		S		
Priority			IANCE RECOM	IMENDATION: Description	S		
E03, B	Raise approach	nes			S		
E03, B D03, C	Replace 80 lb ra	nes ail as tonnag			<u>S</u>		
E03, B D03, C D07, A	Replace 80 lb ra Repair handrail	nes ail as tonnag	e dictates	Description	<u>S</u>		
E03, B D03, C D07, A S01, S03, B01, B02,	Replace 80 lb ra	nes ail as tonnag	e dictates	Description	<u>S</u>		
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04	Replace 80 lb ra Repair handrail Excavate to allo	nes ail as tonnag	e dictates	Description	<u>\$</u>		
E03, B D03, C D07, A S01, S03, B01, B02,	Replace 80 lb ra Repair handrail	nes ail as tonnag	e dictates	Description	<u>S</u>		
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04	Replace 80 lb ra Repair handrail Excavate to allo	nes ail as tonnag	e dictates	Description	<u>S</u>		
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04	Replace 80 lb ra Repair handrail Excavate to allo	nes ail as tonnag	e dictates	Description	<u>S</u>		
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04	Replace 80 lb ra Repair handrail Excavate to allo Repair wings	nes ail as tonnag	le dictates	Description	<u>S</u>	PRIORITY	
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C	Replace 80 lb ra Repair handrail Excavate to allo Repair wings	nes ail as tonnag ow inspectior ON RATING	le dictates	Description			
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO	nes ail as tonnag ow inspectior ON RATING service)	le dictates	Description	A. Imme	ediately	
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for e	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO	nes ail as tonnag ow inspectior ON RATING service)	le dictates	Description	A. Imme B. Withi	ediately n 1 year	
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for o until repaired.	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO	nes ail as tonnag ow inspection ON RATING Service) equires Flagn	e dictates n or remove stru nan/Inspector fo	Description	A. Imme B. Withi C. Withi	ediately n 1 year n 3 years	
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for e until repaired. 3. Satisfactory but w	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO	nes ail as tonnag ow inspection ow inspection ow inspection ow inspection of the section of the section of the	n or remove stru n or remove stru nan/Inspector fo	Description	A. Imme B. Withi C. Withi D. Withi	ediately n 1 year n 3 years n 5 years	
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO uire bridge out of soperations, but re- vith exceptions: Some such as (han	nes ail as tonnag ow inspection ow inspection ow inspection ow inspection of the section of the section of the	n or remove stru n or remove stru nan/Inspector fo	Description	A. Imme B. Withi C. Withi E. Withi	ediately n 1 year n 3 years n 5 years n 10 years	chance &
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor of	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO uire bridge out of soperations, but re- vith exceptions: Some such as (han	nes ail as tonnag ow inspection ow inspection ow inspection ow inspection of the section of the section of the	n or remove stru n or remove stru nan/Inspector fo	Description	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years itor, Condition may	change &
E03, B D03, C D07, A S01, S03, B01, B02, B03, B04, D04 D05, C 1. Failed (may requ 2. Deficient: OK for outil repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace 80 lb ra Repair handrail Excavate to allo Repair wings CONDITIO uire bridge out of soperations, but re- vith exceptions: Some such as (han exceptions	nes ail as tonnag ow inspection ow inspection ow inspection ow inspection of the section of the section of the	n or remove stru n or remove stru nan/Inspector fo	Description	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years	change &





				BR	IDG	E INSF	ест	ION	REPO	DRT -	CC	NC	RET	E A	BUT	MEN	IT							
Span: 1	Alignm			IGEN	T١	Vert. C	lear:		Non		Brid											5.20		
DETAILS -	ABUT I	NUME	BER:	1							Spar	n Le	ngth								13	8'9"		
	A			2025 2025 2025 2025 2025 2025 2025 2025	2200 2007 2007 2007 2007 2007	2009 2009 2009 2009 2009 2009 2009		- - - - - - - - - - - - 		ING V	VEST		2008		280 280 280	3603 2688 2688 2688 2688 2698	2000 2080 2080 2080			· ·		· A		
		Δ 	· · · · · · · · · · · · · · · · · · ·		, . Д . Д	· · · · · · · · · · · · · · · · · · ·		, , , ,	· · · · · · · · · · · · · · · · · · ·	△ · △ · △ ·	· · ·	· A A	·	· • • • • • • • • • • • • • • • • • • •	· · · ·	· · · · · · · · · · · · · · · · · · ·	△ , △	· A · · A ·	, , , ,	A		· · A · · A ·		
Description Remarks: 1. Bridge is			2.5" Si	tringe	rs, C	Concre	te At		ent															
Inspec	ted By:				Jose	eph Ho	olste,	PE				[Date	Insp	pecte	ed:						1	2/11	/2019





	BRID	GE INSPECTIO	N REPORT	CONCRETE ABUTMENT	
Alignment:		Vert. Clear:	None	Bridge No.	415.20
DETAILS - ABUT NUM	BER: 2			Span Length:	
		<u>]</u> 20008000080000800000 20008000080000800		EAST	
Description: (12) 7"x17 Remarks: 1. Bridge is silted in	7.5" Stringers	, Concrete Abu	tment		
Inspected By:	J	oseph Holste, Pl	E	Date Inspected:	12/11/2019



415.20 Looking East



415.20 Looking West



415.20 Looking North



415.20 Looking South



415.20 Holes in ballast on west side



415.20 Southwest wingwall undermined



415.20 Southeast wingwall undermining





				BRIDGE IN	SPECTIC	ON REPC	DRT				
							SPECTION TYP	E:	Annu	ual	
	STRU		IFORMATI	ON			INSPECTIO		RMATION		
Milepost	415.32				-	Date	11-Dec-19			DM	
Location	Santa Paula Br	onch Lino	-								
Location					-	-	or Name		oseph Holste		
01	Santa Paula, C		0		-	relepho	ne Number		303-501-12		
Stream	X (Draina		Overpass		Other		_ Company	<u></u>	ilson & Com	ipany	
	erating Speed:	-		-					-		
DECK	Туре:		Number o				ondition Rating		5		
	RAIL		80 #		Jointed		isual Condition	Rating:	3		
				oaches east							
	<u>TIES</u>	Туре:		Tie		n Rating:	5	_			
		Notes:		shifted east s							
	<u>BALLAST</u>	Depth:	N/A		Condition	•		_			
		Notes:		allast and low							
	DECK PLANKS	Туре:	N/A					Notes:			
	<u>OTHER</u>	Туре:			Condition	n Rating:		_			
SUPERS	TRUCTURE										
	Visual Condition	n Rating	7								
	Type:	-	Number b	arrels		Roi	und or Rect		Size		
	Type.	Ourvert.	Approx Lr				Concrete		Steel		
		Bridge:	Steel	igui.			Timber	15'	Concrete		
		Type:	Truss				eck Girder	10	Through		
		туре.	Trestle			•			Girder		
							Approx. S			13'-6"	
		Notes:	Num Spa				940 - Inaccessib	•	iguis _	13-0	
		Notes.				Duit	040 maddessie				
SUBSTR											
	Visual Condition	n Rating		7							
	Bent:			Туре			Notes				
	Abutment:			Туре	Concret	е					
	Wingwalls:			Туре							
	Embank			Туре			Notes				
	Footing			Туре			Notes	s			
	Inaccessible are	eas:	Unable to	inspect due	to silting						
STREAM	CHANNEL										
	Visual Condition	n Rating	5								
	Stream Depth	0	Scour Evi	dence	n	10	Moving Water		no		
	Notes	Fully silte	ed in								
OVERAL	L RATING										
	High Priority		Medium F	Priority			Low Priority		Х		
	<u> </u>		-	.,							

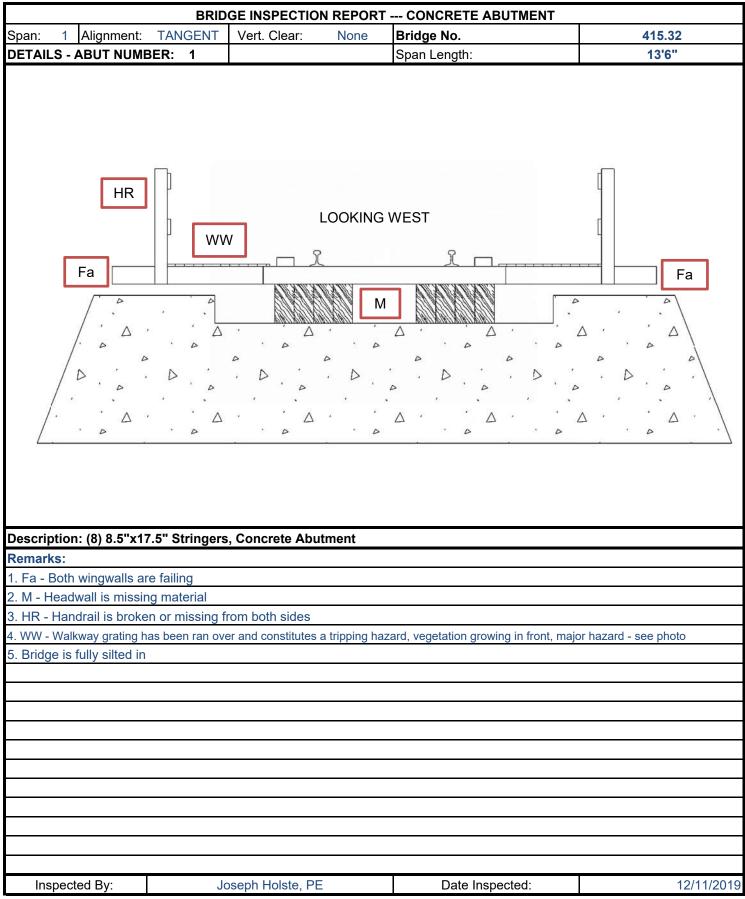




	BR	IDGE INSPECT	ION REPORT -		RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	None	Bridge No.	415.32
No. of Tks:	1	Deck Type:	Open	Br. Over:	Drainage	Overall Length:	15'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers		7	B09 Long	Brace	N/A
E02 Channel	5	S02 Line Bolt	S	7	B10 Cap L	ong Brace	N/A
E03 Approach	3	S03 Bearing (@ Cap	7	B11 Shims		N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	5	B01 West Ba	ckwall	7	M01		
D02 Ties Spacers	5	B02 East Bac	kwall	7	M02		
D03 Rail	3	B03 Caps		7	M03		
D04 Ballast Floor	N/A	B04 Piles			M04		
D05 Ballast Retainer	N/A	B05 Framed I	Bents	N/A			
D06 Footwalk	3	B06 Posts		N/A	Ove	rall Rating:	5
D07 Handrail	3	B07 Cross Br	aces	N/A			Ŭ
			COMMENT			1	
Reference				Remark			
Handrail	Handrail mis	ssing both sides					
Walkway		ate is bent from		major hazard	- see photo		
Abutment		soil behind abut			1		
		MAINTEN	IANCE RECOM	MENDATION	<u>S</u>		
Priority		MAINTEN	IANCE RECON	IMENDATION Description	S		
Priority D03	Replace rail	MAINTEN			S		
					S		
D03		to match tonna Ikway grating			S		
D03 D06, A	Replace wa	l to match tonna Ikway grating ndrail			<u>S</u>		
D03 D06, A D07, A	Replace wa Replace hai	l to match tonna Ikway grating ndrail			<u>S</u>		
D03 D06, A D07, A	Replace wa Replace hai	l to match tonna Ikway grating ndrail			<u>\$</u>		
D03 D06, A D07, A	Replace wa Replace hai	l to match tonna Ikway grating ndrail			S		
D03 D06, A D07, A	Replace wa Replace hat Raise appro	l to match tonna Ikway grating ndrail baches	ge		<u>S</u>	PRIORITY	
D03 D06, A D07, A E03, B	Replace wa Replace hat Raise appro	l to match tonna Ikway grating ndrail baches DITION RATING	ge			PRIORITY	
D03 D06, A D07, A E03, B 1. Failed (may requ	Replace wa Replace har Raise appro CONE	l to match tonna Ikway grating ndrail baches DITION RATING t of service)	ge	Description	A. Imme	ediately	
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for	Replace wa Replace har Raise appro CONE	l to match tonna Ikway grating ndrail baches DITION RATING t of service)	ge	Description	A. Imme B. Withi	ediately n 1 year	
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for until repaired.	Replace wa Replace har Raise appro CONE	l to match tonna Ikway grating ndrail baches DITION RATING t of service) ut requires Flagn	ge nan/Inspector fc	Description	A. Imme B. Withi C. Withi	ediately n 1 year n 3 years	
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w	Replace wa Replace har Raise appro CONE uire bridge out operations, bu	I to match tonna Ikway grating ndrail baches DITION RATING t of service) ut requires Flagn s: Slow order m	ge nan/Inspector fc ay be required.	Description	A. Imme B. Withi C. Withi D. Withi	ediately n 1 year n 3 years n 5 years	
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace wa Replace har Raise appro CONE uire bridge out operations, bu vith exceptions ms such as (I to match tonna Ikway grating ndrail baches DITION RATING t of service) ut requires Flagn s: Slow order m	ge nan/Inspector fc ay be required.	Description	A. Imme B. Withi C. Withi E. Withi	ediately n 1 year n 3 years n 5 years n 10 years	
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor of	Replace wa Replace har Raise appro CONE uire bridge out operations, bu vith exceptions ms such as (I to match tonna Ikway grating ndrail baches DITION RATING t of service) ut requires Flagn s: Slow order m	ge nan/Inspector fc ay be required.	Description	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years itor, Condition may	change &
D03 D06, A D07, A E03, B 1. Failed (may requ 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace wa Replace har Raise appro CONE uire bridge out operations, bu with exceptions ems such as (exceptions	I to match tonna Ikway grating ndrail baches DITION RATING t of service) ut requires Flagn s: Slow order m	ge nan/Inspector fc ay be required.	Description	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years	change &

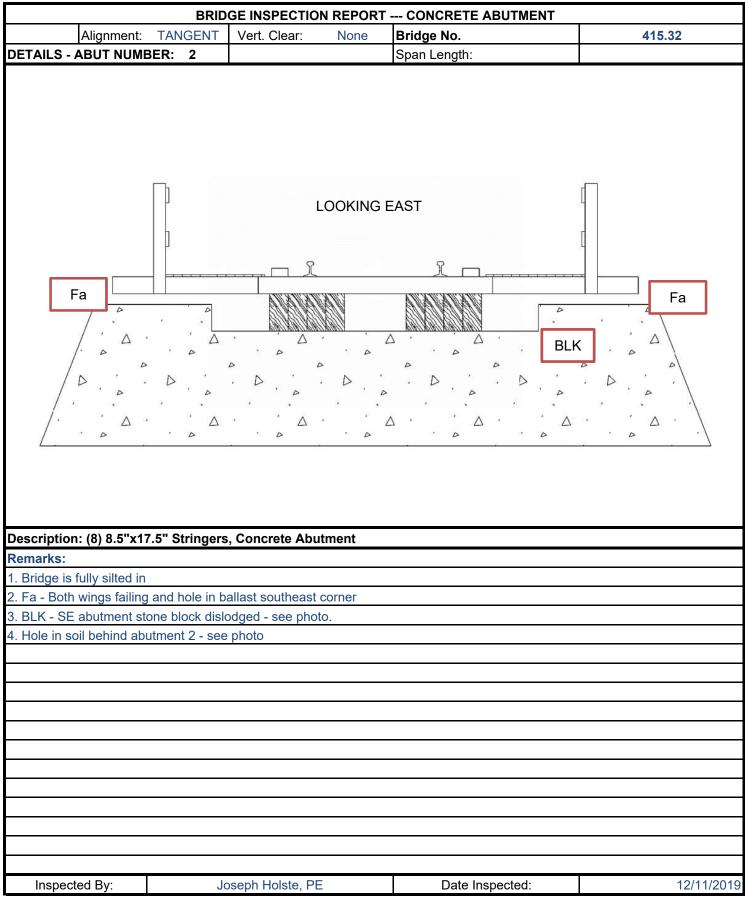














415.32 Looking East



415.32 Looking West



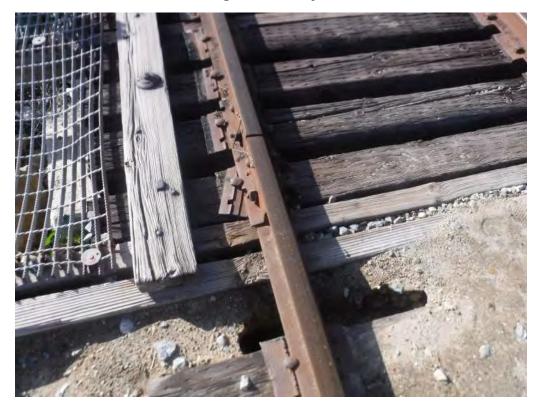
415.32 Looking North



415.32 Looking South



415.32 Damaged walkway – south side



415.32 Tie Plate Loose



415.32 Hole in Ballast, SE Corner



415.32 Wingwall failing, typ all corners



415.32 Hole in soil behind Abutment 2



415.32 SE abutment stone block dislodged





				BRIDGE	INSPECTIC	N REPO	DRT				
						INS	SPECTION TYP	E:	Anr	nual	
		CTURE IN	FORMATI	ON			INSPECTIC				-
Milepost	415.59		-			Date	11-Dec-19	-			_
Location	Santa Paula Br					•	or Name		oseph Hols		_
	Santa Paula, C					Telepho	ne Number		303-501-1		_
	X (Santa Pau	,			Other		Compan	/ <u> </u>	/ilson & Co	mpany	_
	erating Speed:										
DECK	Type: Open/Ba		Number o				condition Rating		5		
	RAIL	-	80 #	Type:	Jointed	V	isual Condition	Rating:	5		
		Notes:									_
	TIES	Type:	Timber	_ T	Tie Conditior	n Rating:	5	_			
		Notes:									_
	BALLAST	Depth:	12 in (TPC	<u>G)</u> Balla	ast Conditior	n Rating:	3	_			
		Notes:	Low Balla	st							_
	DECK PLANKS	Type:	N/A	_	Conditior	n Rating:		Notes:			_
	<u>OTHER</u>	Type:	Steel balla	ast retaine	er Conditior	n Rating:	5	_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Lr	igth.		(Concrete		Steel		-
		Bridge:	Steel	•	Х		Timber		Concrete		-
		Type:	Truss		100'		eck Girder		Through		-
		51	Trestle						Girder	66'-8"	
			Num Spar	าร		1	Approx. S	Span Le		166'-8"	-
		Notes:			Plate Girde						-
											-
SUBSTRI											
CODONA	Visual Conditio	n Rating			5						
	Bent:		5	Туре	Concrete	е	- Notes	5			
	Abutment:		5	Туре	Concrete		-				-
	Wingwalls:		•	Туре							
	Embank			 Туре			Notes				
	Footing			 Туре			- Notes				_
	Inaccessible ar	eas:		, , , , , , , , , , , , , , , , , ,							_
		040.									_
SIREAM	CHANNEL Visual Conditio	n Rating	5								
	Stream Depth	•	Scour Evi	dence	n	0	Moving Water		ves		
	Notes	· · ·							,		-
											_
OVERAL	L RATING										
	High Priority		Medium P	riority			Low Priority		Х		

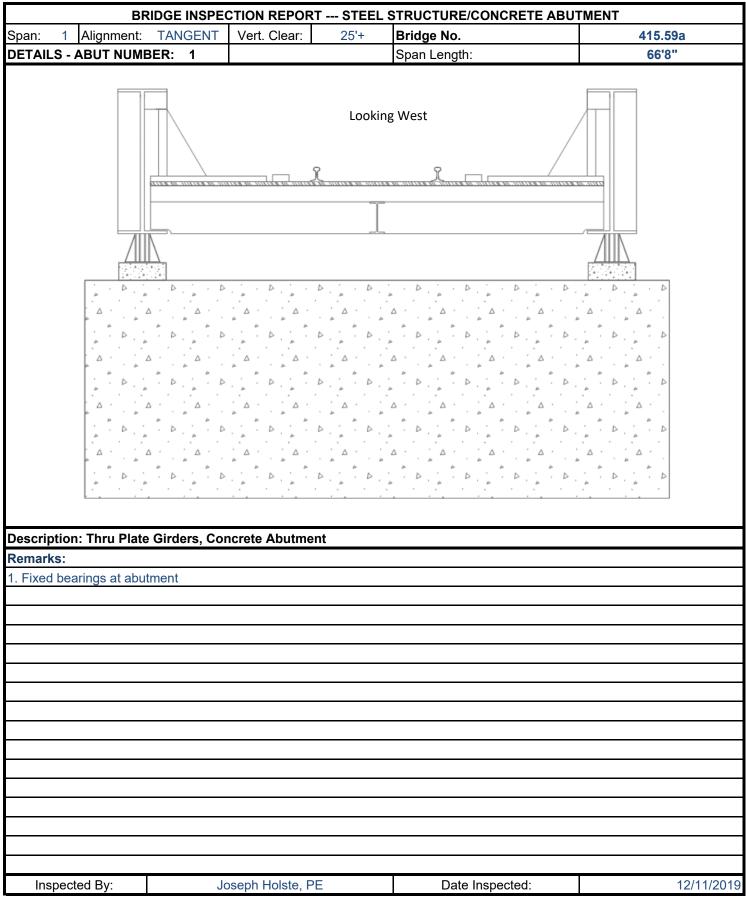




	BRI		ION REPORT	STEEL STR	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	415.59a
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	67'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	5
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late	eral Braces	5	A08		
E03 Approach	5	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. OT	THER	
D01 Ties (OD only)	N/A	S05 Bearings	;	5	M01		
D02 Ties Spacers	N/A	ABUTMENT	S & PIERS		M02		
D03 Rail	5	A01 East Abu	utment	N/A	M03		
D04 Footwalk	5	A02 East Wir	ngwalls	N/A	M04		
D05 Handrail	N/A	A03 West Ab	-	5			
D06 Floor Beams	5	A04 West Wi	ngwalls	5	Ove	erall Rating:	5
D07 Ballast Curb	5	A05 Pier Cap		5		•	•
	•		COMMENT	<u> </u>			
Reference				Remark			
Structure	Minor rust st	hottom chard	connection plate				
Fence Approach	Low ballast w	-	- pier 2 - see ph	1010			
Approach	LOW Dallast w	est side					
		MAINTEN	ANCE RECOM	IMENDATION	S		
Priority				Description			
,				•			
	CONDI	TION RATING	ì			PRIORITY	
1. Failed (may rec	uire bridge out	of service)			A. Imm	ediately	
2. Deficient: OK for			nan/Inspector fo	or all trains		in 1 year	
until repaired.	oporations, but	requires ridgi			-	in 3 years	
3. Satisfactory but	with excentions.	Slow order m	av he required			iin 5 years	
4. Worker Safety: if						in 10 years	
5. Good with minor			ant, 0.0. <i>j</i>			nitor, Condition may	change ?
6. New Bridge	creepuolis					e priority	/ change &
7. Not inspected: F	Reason stated						
Inspect			loseph Holste, F			ate Inspected:	12/11/201
mapeci	ca by.	J				ate mapeoteu.	12/11/20

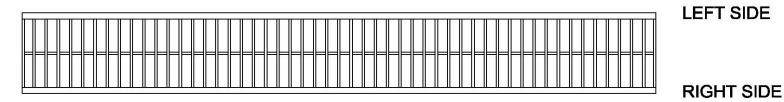




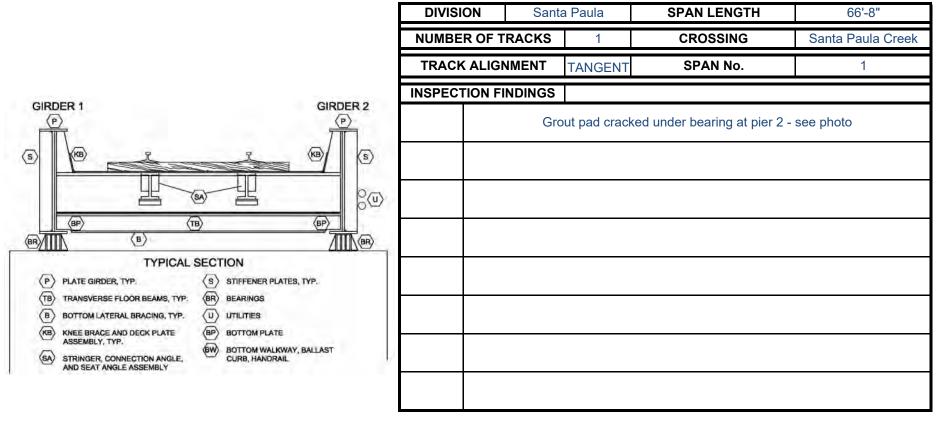








BOTTOM LATERAL BRACING



Inspected by: Joseph Holste, PE

Date: 12/11/2019

Bridge Number: 415.59a

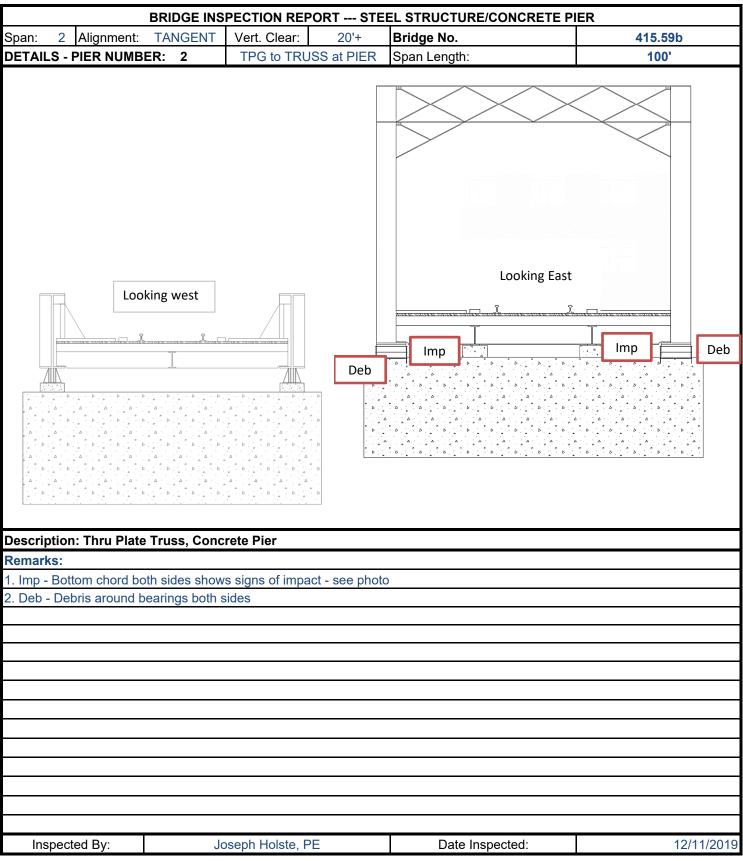




	BRI	DGE INSPECT	ION REPORT -	STEEL STR	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	415.59b
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Creek	Overall Length:	100'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	5
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late	ral Braces	5	A08		
E03 Approach	5	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. O	THER	
D01 Ties (OD only)	5	S05 Bearings	;	5	M01		
D02 Ties Spacers	5	ABUTMENTS	S & PIERS		M02		
D03 Rail	5	A01 East Abu	ıtment	5	M03		
D04 Footwalk	5	A02 East Win	igwalls	5	M04		
D05 Handrail	5	A03 West Ab	utment	N/A			
D06 Floor Beams	5	A04 West Wi	ngwalls	N/A	Ov	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		5			•
	-		COMMENT	3		-	
Reference				Remark			
S03	Bottom chore	and lateral br	acing has numer		rom debris	. Most are minor w	vith
000		derate - see ph	-			. moot are minor w	
S05	Debris in bea		010				
D03 Guard Rail			ard rail and runni	na rail both er	nds hoth s	ides	
		guo			,		
		MAINTEN	ANCE RECOM	MENDATION	S		
Priority				Description			
S05, B	Clean bearin	as		Decemption			
D03, B		•	nside guard rail a	and running ra	ail both en	ds both sides	
000, 0	rtemove mat		noide guara rair (
	COND	TION RATING				PRIORITY	
1 Failed (may rea	uire bridge out		A. Imm	nediately			
1. Failed (may req						leulately	
	-		nan/Inspector for	r all trains		nin 1 year	
	-		nan/Inspector fo	r all trains	B. With	,	
2. Deficient: OK for	operations, but	requires Flagn		r all trains	B. With C. With	nin 1 year	
2. Deficient: OK for until repaired.	operations, but vith exceptions:	requires Flagn Slow order m	ay be required.	r all trains	B. With C. With D. With	nin 1 year nin 3 years	
 Deficient: OK for until repaired. Satisfactory but v 	operations, but vith exceptions: ems such as (h	requires Flagn Slow order m	ay be required.	r all trains	B. With C. With D. With E. With	nin 1 year nin 3 years nin 5 years nin 10 years	r change &
 Deficient: OK for until repaired. Satisfactory but v Worker Safety: ite 	operations, but vith exceptions: ems such as (h	requires Flagn Slow order m	ay be required.	r all trains	B.WithC.WithD.WithE.WithM.Mod	nin 1 year nin 3 years nin 5 years	r change &
 Deficient: OK for until repaired. Satisfactory but v Worker Safety: ite Good with minor 	operations, but vith exceptions: ems such as (h exceptions	requires Flagn Slow order m	ay be required.	r all trains	B.WithC.WithD.WithE.WithM.Mod	nin 1 year nin 3 years nin 5 years nin 10 years nitor, Condition may	v change & 12/11/201

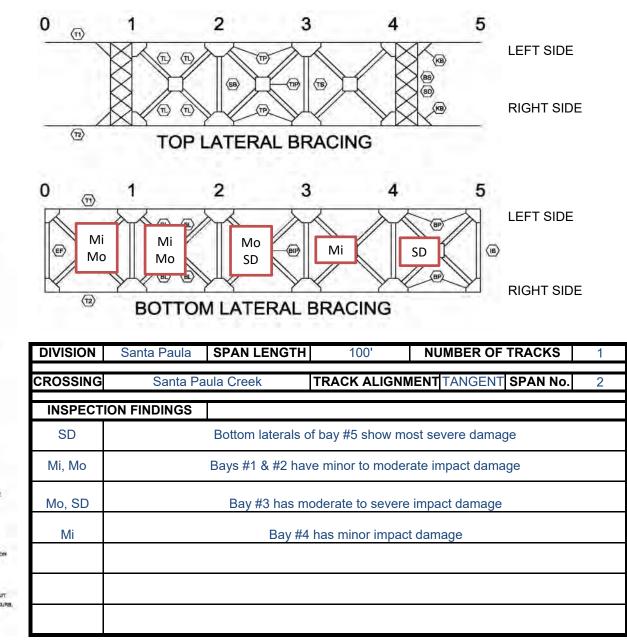


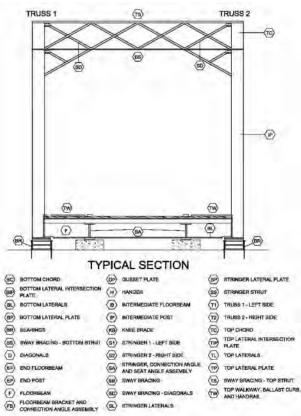










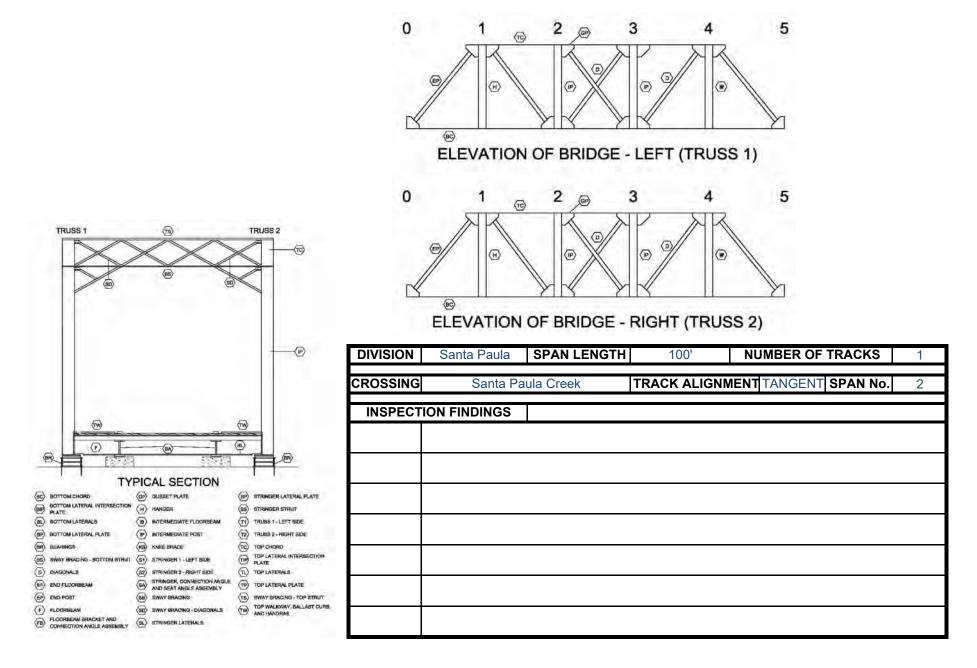


Date: 12/11/2019

Bridge Number: 415.59b







Inspected by: Joseph Holste, PE

Bridge Number: 415.59b





BF		CTION REPORT	STEEL S	STRUCTURE/CONCRETE	ABUTN	IENT
Alignment:	TANGENT	Vert. Clear:	15'+	Bridge No.		415.59b
DETAILS - ABUT NUM	BER: 3			Span Length:		
			Looking Eas		Deb	
Description: Thru Plate Remarks:						
1. Deb - Debris around N	NE and SE bea	aring - see photo				
Inspected By:	Jo	oseph Holste, PE		Date Inspected:		12/11/2019



415.59 Looking East



415.59 Looking West



415.59 Looking North



415.59 Looking South



415.59 Channel Condition. Looking upstream



415.59 Channel Condition. Looking downstream



415.59 Material between inside guardrail and running rail, typ both sides



415.59 Fence breach over Pier 2, north side



415.59 Fence breach over Pier 2, south side



415.59 Grout pad cracked under bearing, Pier 2



415.59 Minor impact damage – typical bottom cross bracing



415.59 Debris at NE Bearing



415.59 Debris at SE Bearing





				BRIDGE IN	SPECTIO	ON REP	ORT			
							SPECTION TYP	E:	Annual	
	0.T.D. 1			ON						
		CIUREIN	IFORMATI	ON	-					
Milepost	415.69		-			Date		-	2:10 PM	
Location	Santa Paula Br				_		or Name		oseph Holste, PE	
	Santa Paula, C				_	Telepho	one Number		303-501-1215	
Stream	X (Ferris	,			-		Company	/ <u> </u>	/ilson & Company	
Train Ope	erating Speed:	Freight:	10 mph	Passenger	: 15 mph					
DECK	Туре:	Ballasted	Number o	f Tks	1	Visual C	Condition Rating		5	
	RAIL	Weight:	80#	Type:	Jointed	<u> </u>	/isual Condition	Rating:	3	
		Notes:	East appr	oach Iow. Di	ps in rail	across s	pans 1 & 2			
	<u>TIES</u>	Type:	Timber	Tie	Conditio	n Rating	: 3	_		
		Notes:		plit - see pho				_		
	BALLAST	Depth:	12 in	Ballast	Conditio	n Rating	: 5			
		Notes:		-		Ū		-		
	DECK PLANKS		Timber		Conditio	n Rating	: 3	Notes:	Rot w/ballast showi	na
	OTHER	Туре:			Conditio			_		
	<u> </u>	i jpo.				in realing	·	_		
	TRUCTURE									
SUPERS	Visual Conditio	n Pating	3							
	Type:	-	Number b	arrele		Po	ound or Rect		Size	
	туре.	Guivert.				-			Steel	
		Duistana	Approx Lr	igin.		-	Concrete	451		
		Bridge:	Steel				Timber	45'	Concrete	
		Туре:	Truss			-	eck Girder		Through	
			Trestle						Girder	
			Num Spai				Approx. S	Span Le	ngths <u>15',15',1</u>	<u>4'-6"</u>
		Notes:		Ballast De	ck Timbe	r Trestle	- Built 1959			
SUBSTR				F						
	Visual Conditio	n Rating		- 5						
	Bent:		5	Туре	-	crete	_ Notes			
	Abutment:		5	Туре		crete				
	Wingwalls:		3	Туре	Con	crete				
	Embank			Туре			Notes	s		
	Footing			Туре			Notes	š		
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	n Rating	N/A							
	Stream Depth	-	Scour Evi	dence			Moving Water			
	Notes		•							
OVERAL	L RATING									
	High Priority	Х	Medium F	Priority			Low Priority			

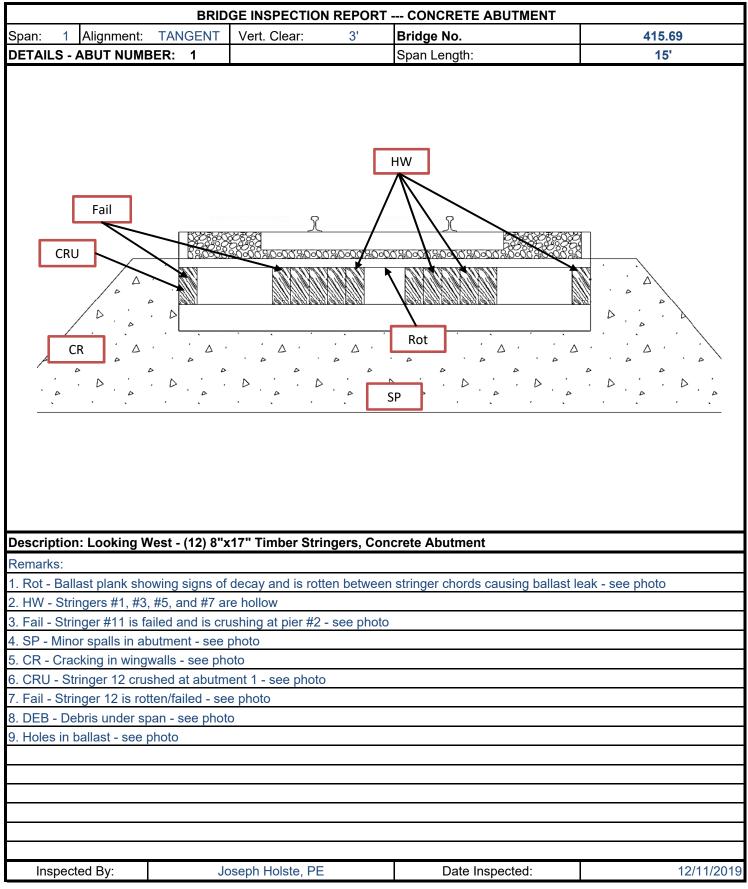




	BRI		ION REPORT	TIMBER ST	RUCTURE		
Spans:	3	Alignment:	Tangent	Vert. Clear:	6'-7"	Bridge No.	415.69
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Ferris Rd	. Overall Length:	45'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A
E01 Scour	N/A	S01 Stringers		3	B09 Long	Brace	N/A
E02 Channel	N/A	S02 Line Bolt		N/A	ŭ	Long Brace	N/A
E03 Approach	3	S03 Bearing (@ Cap	3	B11 Shim		N/A
DECK		BENTS	<u> </u>		MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Abut	ment & Wingwalls	3	M01		
D02 Ties Spacers	N/A	B02 East Abutr	ment & Wingwalls	3	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	3	B04 Pierwalls		5	M04		
D05 Ballast Retainer	5	B05 Framed B	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Overall Rating:		3
D07 Handrail	N/A	B07 Cross Br	aces	N/A			
			COMMENTS	6			
Reference				Remark			
Wingwall	All wingwalls	leaning - see p	photo				
Utilities		·	st end, change v	ertical clearar	nce sign to	6'-10"	
D04	Deck planks	rotten and failir	ng		Ŭ		
S01	Minor checkin	g and splitting. In	npact damage spa	ns #2 & #3. Str	ingers failed	l/rotten/crushing mos	st spans
Drainage	Poor drainag	je under structu	ire				·
		MAINTEN	IANCE RECOMI		<u>S</u>		
Priority			IANCE RECOMI	MENDATION Description	S		
E03, B	Raise east a	pproach		Description	S		
E03, B D03	Replace rail	pproach with heavier se	IANCE RECOMI	Description	<u>S</u>		
E03, B D03 B01, B02, B	Replace rail Repair wingv	pproach with heavier se valls	ction as tonnage	Description	<u>S</u>		
E03, B D03 B01, B02, B S01, A	Replace rail Repair wingw Replace faile	pproach with heavier se valls ed/rotten/crushir	ction as tonnage	Description	S		
E03, B D03 B01, B02, B	Replace rail Repair wingv Replace faile Replace faile	pproach with heavier se valls ed/rotten/crushir ed deck planks	ction as tonnage ng stringers	Description dictates			
E03, B D03 B01, B02, B S01, A	Replace rail Repair wingv Replace faile Replace faile Recommend	pproach with heavier se valls ed/rotten/crushir ed deck planks I a quarterly ins	ction as tonnage ng stringers pection (3 month	Description e dictates	he bridge i	s functional until re	pairs are
E03, B D03 B01, B02, B S01, A	Replace rail Repair wingv Replace faile Replace faile Recommend	pproach with heavier se valls ed/rotten/crushir ed deck planks I a quarterly ins	ction as tonnage ng stringers	Description e dictates	he bridge i	s functional until re	pairs are
E03, B D03 B01, B02, B S01, A	Replace rail Repair wingv Replace faile Replace faile Recommend made along	pproach with heavier ser valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow orde	ction as tonnage ng stringers pection (3 month er of 10 mph be p	Description e dictates	he bridge i		pairs are
E03, B D03 B01, B02, B S01, A D04, A	Replace rail Repair wingv Replace faile Replace faile Recommend made along v	pproach with heavier ser valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow orde	ction as tonnage ng stringers pection (3 month er of 10 mph be p	Description e dictates	he bridge i bridge.	PRIORITY	pairs are
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ	Replace rail Repair wingv Replace faile Replace faile Recommend made along COND	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow orde ITION RATING of service)	ction as tonnage ng stringers pection (3 month er of 10 mph be p	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm	PRIORITY	pairs are
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for c	Replace rail Repair wingv Replace faile Replace faile Recommend made along COND	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow orde ITION RATING of service)	ction as tonnage ng stringers pection (3 month er of 10 mph be p	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With	PRIORITY ediately in 1 year	pairs are
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for c until repaired.	Replace rail Repair wingv Replace faile Replace faile Recommend made along v COND uire bridge out operations, but	pproach with heavier servalls ed/rotten/crushin ed deck planks I a quarterly ins with a slow orde ITION RATING of service) t requires Flagn	ction as tonnage ng stringers pection (3 month er of 10 mph be p man/Inspector for	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With C. With	PRIORITY ediately in 1 year in 3 years	pairs are
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w	Replace rail Repair wingy Replace faile Replace faile Recommend made along COND uire bridge out operations, but	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow order ITION RATING of service) t requires Flagn	ction as tonnage ng stringers pection (3 month er of 10 mph be p nan/Inspector for ay be required.	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With C. With D. With	PRIORITY ediately in 1 year in 3 years in 5 years	pairs are
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Repair wingy Replace faile Replace faile Recommend made along COND uire bridge out operations, but rith exceptions	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow order ITION RATING of service) t requires Flagn	ction as tonnage ng stringers pection (3 month er of 10 mph be p nan/Inspector for ay be required.	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With C. With D. With E. With	PRIORITY ediately in 1 year in 3 years in 5 years in 10 years	
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor e	Replace rail Repair wingy Replace faile Replace faile Recommend made along COND uire bridge out operations, but rith exceptions	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow order ITION RATING of service) t requires Flagn	ction as tonnage ng stringers pection (3 month er of 10 mph be p nan/Inspector for ay be required.	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With C. With D. With E. With M. Mor	PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years itor, Condition may	
E03, B D03 B01, B02, B S01, A D04, A 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Repair wingy Replace faile Replace faile Recommend made along COND uire bridge out operations, but with exceptions	pproach with heavier se valls ed/rotten/crushin ed deck planks I a quarterly ins with a slow order ITION RATING of service) t requires Flagn	ction as tonnage ng stringers pection (3 month er of 10 mph be p nan/Inspector for ay be required.	Description dictates hs) to assure t placed on the	he bridge i bridge. A. Imm B. With C. With D. With E. With M. Mor	PRIORITY ediately in 1 year in 3 years in 5 years in 10 years	

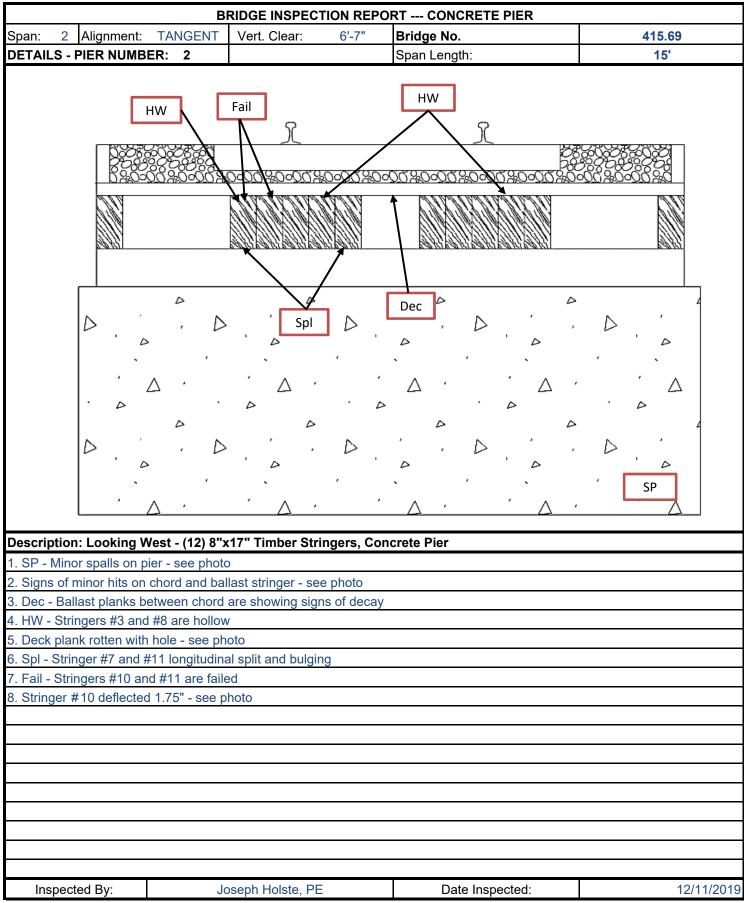






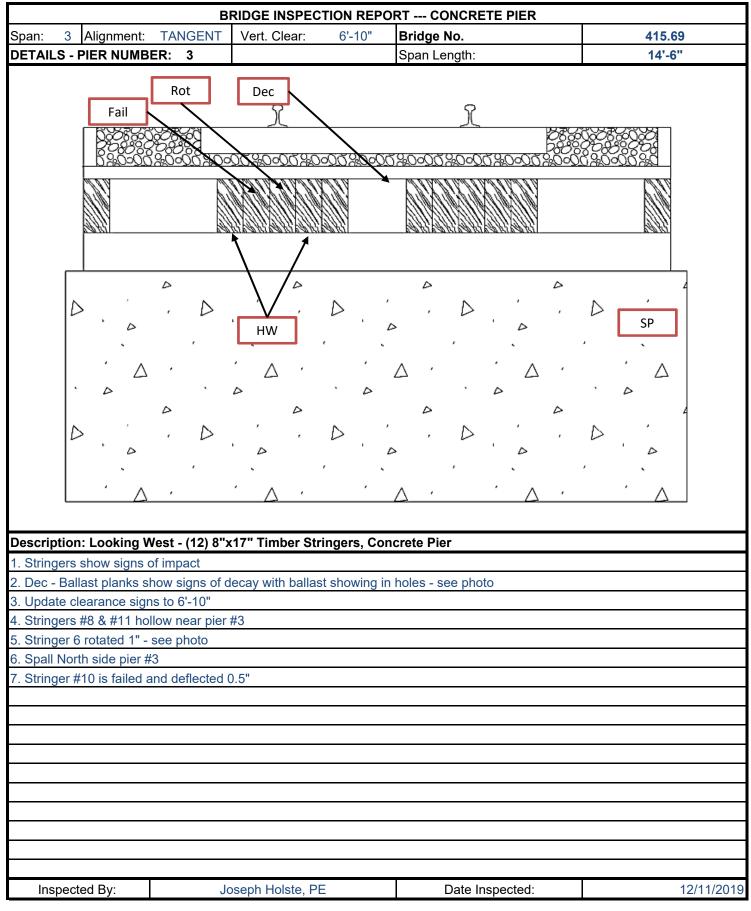






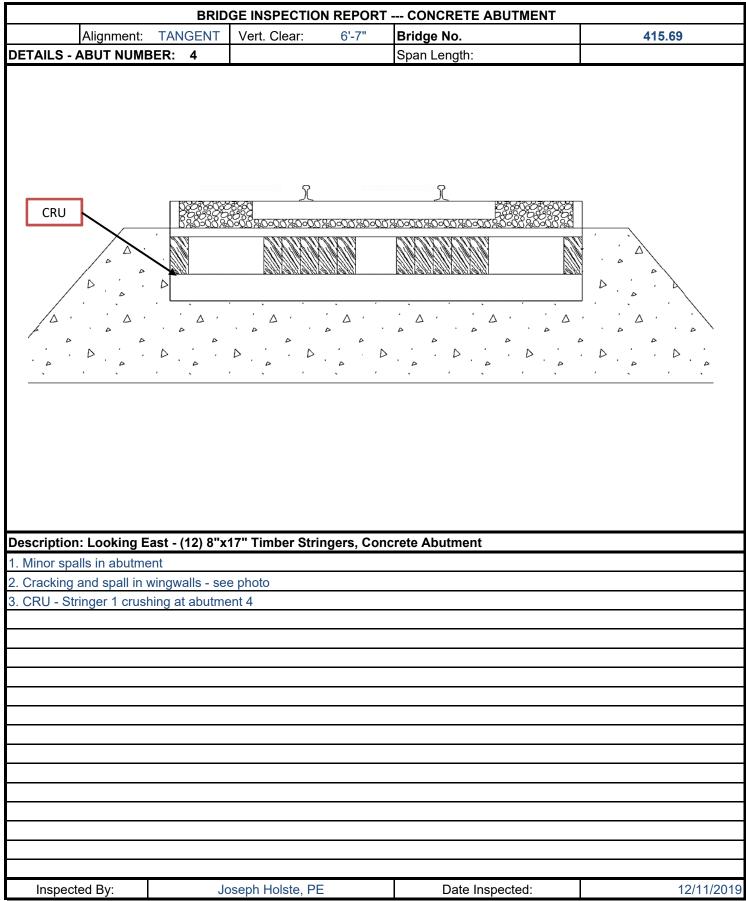






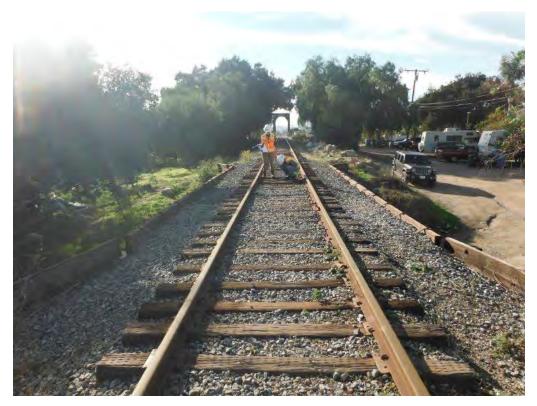








415.69 Looking East



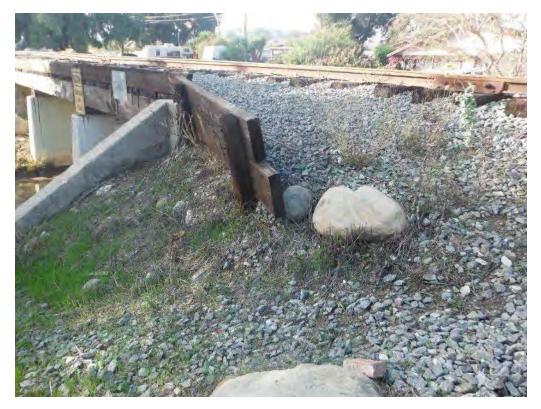
415.69 Looking West



415.69 Looking North



415.69 Looking South



415.69 Leaning wingwall, typ



415.69 Undermining SE ballast retainer



415.69 Ties splitting



415.69 Hole in ballast, Span 1



415.69 Rotten deck plank at Abutment 1



415.69 Abutment 1 Spall



415.69 Cracks in Southwest Wingwall



415.69 Poor ballast planks (typ.)



415.69 Stringer 12 crushing – Abutment 1



415.69 Stringer 12 is rotten/failed – Span 1



415.69 Debris under Span 1



415.69 Stringer 11 crushing - Pier 2



415.69 Spall North Side of Pier 2



415.69 Stringer 10 deflected 1.75" – Span 2



415.69 Impact damage on stringers (typ.)



415.69 Major impact damage to Stringer 1, typ Span 2 and 3



415.69 Stringer 6 rotated 1" at Pier 3 & Abutment 4



415.69 Decay of deck ballast plank. Mid-span, Span 3



415.69 Spall on wingwall at abutment 4





				BRIDGE I	NSPECTIC	ON REPC	DRT				I
							SPECTION TYP	'E:	Anr	nual	
				~~~		INSPECTION INFORMATION				-	
,		CTURE IN	FORMATI	ON							<b>_</b>
Milepost	415.79		-			Date	11-Dec-19			D PM	_ !
Location	Santa Paula Bra					-	or Name		oseph Hols		_ !
	Santa Paula, C	A				•	ne Number		303-501-1		_ !
Stream			Overpass		Other	Х	Company	/ <u> </u>	/ilson & Co	mpany	_ !
	erating Speed:			_							
DECK	• •		Number of	f Tks	1	Visual C	ondition Rating		5	-	
1	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	3	-	ļ
		Notes:									_
1	TIES	Туре:	Timber	Ti	ie Conditior	n Rating:	3				-
		Notes:	Mostly spl	_				-			
1	<b>BALLAST</b>	Depth:	9"		st Conditior	n Rating:	3				- !
		Notes:	Fouled ba	_		-		-			ļ
l j	DECK PLANKS		Timber		Conditior	n Rating:	5	Notes:			- !
· ·		Туре:		-							-
	<u>U</u>	1760.				111000.3		—			l
SUDERST	TRUCTURE										
SUPLING	Visual Condition	n Dating	7								ļ
		-	Number ba	_ arrola		Pol	und or Rect		Size		Ì
	Туре:	Cuivert.				•					-
		<b>-</b> · · · · ·	Approx Ln	igtn.		•	Concrete	401 E	Steel		-
		Bridge:	Steel			•	Timber	16'-5"	-		-
		Туре:	Truss			•	eck Girder		Through		
			Trestle			X		<u> </u>	Girder		-
			Num Spar			2	Approx. S	3pan Ler	ngths	7'-6"	-
		Notes:		Bal	llast Deck 1	Fimber Tr	restle				-
SUBSTRI				_	-						
	Visual Condition	n Rating					-				
	Bent:		7	Туре		-Timber	- Notes	-	Bent #2		_
	Abutment:		7	Туре	Con	crete	_ Notes		Abut #1 8		_
	Wingwalls:			Туре							_
	Embank			Туре			Notes	3			_
	Footing			Туре			Notes	š			_
	Inaccessible are	eas:	Abutment	s and piers	s are mostly	/ silted in	1				_
STREAM	CHANNEL										
	Visual Condition	n Rating	N/A								
	Stream Depth		Scour Evi	dence			Moving Water				_
	Notes						-				_
1											_
OVERALI	L RATING										
	High Priority		Medium P	riority	>	X	Low Priority			_	

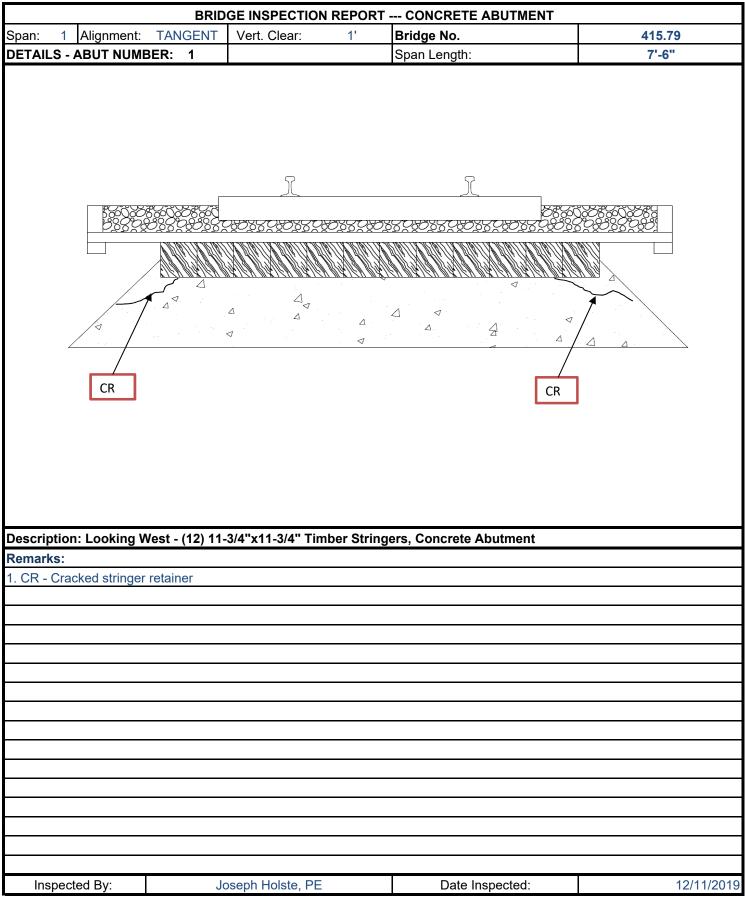




Spans:	BRI	DGE INSPECTI	<b>ON REPORT -</b>	TIMBER ST	RUCTURE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	1'	Bridge No.	415.79	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	16'-5"	
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A	
E01 Scour	N/A		S01 Stringers				N/A	
E02 Channel	N/A		S02 Line Bolts N/A		B10 Cap L		N/A	
E03 Approach	3	S03 Bearing (	@ Cap	7	B11 Shims		N/A	
DECK		BENTS			MISC. OT	HER		
D01 Ties (OD only)	N/A	B01 West Bac	B01 West Backwall 7					
D02 Ties Spacers	N/A	B02 East Bac	kwall	7	M02			
D03 Rail	3	B03 Caps		7	M03			
D04 Ballast Floor	7	B04 Piles		7	M04			
D05 Ballast Retainer	3	B05 Framed E	Bents	N/A				
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	3	
D07 Handrail	N/A	B07 Cross Bra	aces	N/A				
			COMMENT	S				
Reference				Remark				
Utility	18"CIP 6' be	low top of tie let	ft side plugged.		w existina o	ground line		
Ties		oor condition	1 00 /	0		,		
Ballast		outh ballast gua	rd are leaning o	ut and ballast	is fouled			
Wingwall	No wingwall		0					
Ballast	9" ballast							
Handrail	No handrails							
	Could replace	e with CMP						
	<u> </u>							
	4							
	<u> </u>	MAINTEN			S			
	<u> </u> 	MAINTEN	ANCE RECON		S			
Priority				Description	S			
	1	n 3 to 4 - 16" cul	verts, need hyc	Description Irology study	S			
D03	Replace rail	n 3 to 4 - 16" cul with heavier se	verts, need hyc	Description Irology study	S			
D03 D05, B	Replace rail Repair balla	n 3 to 4 - 16" cul with heavier see st guard	verts, need hyc	Description Irology study	<u>S</u>			
D03 D05, B E03, B	Replace rail Repair balla Add ballast t	n 3 to 4 - 16" cul with heavier sea st guard o approaches	verts, need hyc ction as tonnag	Description Irology study	<u>S</u>			
D03 D05, B	Replace rail Repair balla Add ballast t	n 3 to 4 - 16" cul with heavier see st guard	verts, need hyc ction as tonnag	Description Irology study	<u>S</u>			
D03 D05, B E03, B	Replace rail Repair balla Add ballast t	n 3 to 4 - 16" cul with heavier sea st guard o approaches	verts, need hyc ction as tonnag	Description Irology study	<u>S</u>			
D03 D05, B E03, B	Replace rail Repair balla Add ballast t	n 3 to 4 - 16" cul with heavier sea st guard o approaches	verts, need hyc ction as tonnag	Description Irology study	<u>S</u>			
D03 D05, B E03, B	Replace rail Repair ballas Add ballast t Clean chann	n 3 to 4 - 16" cul with heavier sec st guard o approaches rel to allow inspe	verts, need hyd ction as tonnag ection	Description Irology study	<u>S</u>	PRIORITY		
D03 D05, B E03, B S01, B	Replace rail Repair ballast Add ballast t Clean chann	n 3 to 4 - 16" cul with heavier sec st guard o approaches rel to allow inspe ITION RATING	verts, need hyd ction as tonnag ection	Description Irology study		PRIORITY		
D03 D05, B E03, B S01, B 1. Failed (may requ	Replace rail Repair ballas Add ballast t Clean chanr COND	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service )	verts, need hyd ction as tonnag ection	Description Irology study e dictates	A. Imme	ediately		
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c	Replace rail Repair ballas Add ballast t Clean chanr COND	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service )	verts, need hyd ction as tonnag ection	Description Irology study e dictates	A. Imme B. Withi	ediately n 1 year		
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c until repaired.	Replace rail Repair balla Add ballast t Clean chanr Conn COND uire bridge out operations, bu	n 3 to 4 - 16" cul with heavier sec st guard o approaches rel to allow inspective <b>ITION RATING</b> of service ) t requires Flagm	verts, need hyd ction as tonnag ection nan/Inspector fo	Description Irology study e dictates	A. Imme B. Withi C. Withi	ediately n 1 year n 3 years		
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w	Replace rail Repair ballas Add ballast t Clean chanr COND ire bridge out operations, bu	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service ) t requires Flagm : Slow order ma	verts, need hyd ction as tonnag ection nan/Inspector fo	Description Irology study e dictates	A. Imme B. Withi C. Withi D. Withi	ediately n 1 year n 3 years n 5 years		
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Repair balla Add ballast t Clean chanr COND ire bridge out operations, bu ith exceptions ms such as (	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service ) t requires Flagm : Slow order ma	verts, need hyd ction as tonnag ection nan/Inspector fo	Description Irology study e dictates	A. Imme B. Withi C. Withi D. Withi E. Withi	ediately n 1 year n 3 years n 5 years n 10 years		
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor e	Replace rail Repair balla Add ballast t Clean chanr COND ire bridge out operations, bu ith exceptions ms such as (	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service ) t requires Flagm : Slow order ma	verts, need hyd ction as tonnag ection nan/Inspector fo	Description Irology study e dictates	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years tor, Condition may	change &	
D03 D05, B E03, B S01, B 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Repair balla Add ballast t Clean chanr COND ite bridge out operations, bu ith exceptions ms such as ( exceptions	n 3 to 4 - 16" cul with heavier set st guard o approaches nel to allow inspe ITION RATING of service ) t requires Flagm : Slow order ma	verts, need hyd ction as tonnag ection nan/Inspector fo	Description Irology study e dictates	A. Imme B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years	change &	











		E	BRIDGE INSPEC	TION REF	ORT TIMBER BENT	
Span: 2	Alignment:	TANGENT	Vert. Clear:	1'	Bridge No.	415.79
	BENT NUME	BER: 2			Span Length:	7'-6"
Remarks:	I. LOOKING V				gers, Timber Bent	
	supported or	n mudsill				
	t inspect due					
		<u>J</u>				
Inspec	ted By:	Jo	seph Holste, PE		Date Inspected:	12/11/2019

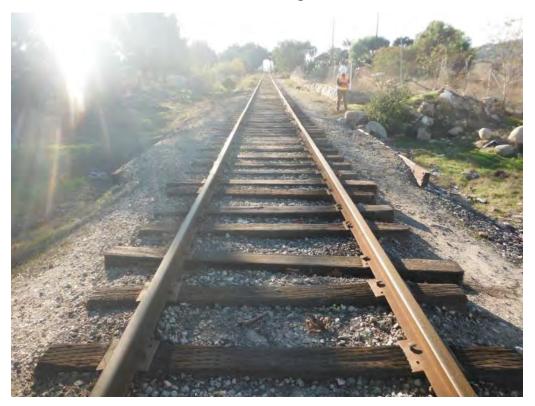




		BRID	GE INSPECTION RE	PORT CONCRETE ABUTM	ENT
Alignment		IGENT	Vert. Clear:	Bridge No.	415.79
DETAILS - ABUT NUN	IBER:	3		Span Length:	
CR		· ·	<u>}</u>		CR
	East - (	(12) 11-3	3/4"x11-3/4" Timber \$	Stringers, Concrete Abutment	
Remarks:					
1. CR - Cracked stringe	er retain	er			
2. Could not inspect du	e to silt	ing			
Inspected By:		Jo	oseph Holste, PE	Date Inspected:	12/11/2019



415.79 Looking East



415.79 Looking West



415.79 Looking North



415.79 Looking South



415.79 Low ballast – East approach





				BRIDGE IN	ISPECTIO	ON REPO	ORT				
							SPECTION TYP	PE:	Anı	nual	
									DMATION		_
		CIUREIN	FORMATI	ON	-		INSPECTIO				-
Milepost	415.82					Date	11-Dec-19	-		) PM	-
Location	Santa Paula Br				_		or Name		oseph Hols		-
	Santa Paula, C	A			_	•	one Number		303-501-1		-
Stream			Overpass		Other	Х	Compan	y <u> </u>	/ilson & Co	mpany	-
	erating Speed:	-									
DECK	Туре:			f Tks	1	-	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	<u> </u>	/isual Condition	Rating:	3	-	
		Notes:									_
	<u>TIES</u>	Type:	Timber	Tie	Conditio	n Rating	: 5	_			
		Notes:									_
	<b>BALLAST</b>	Depth:	9"	Ballast	Conditio	n Rating	: 5				
		Notes:									
	DECK PLANKS	Type:	Timber		Conditio	n Rating	: 5	Notes:			_
	<u>OTHER</u>	Type:		-				_			-
						-					
SUPERS ⁻	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	-	Number b	- arrels		Ro	ound or Rect		Size		
	Typo.		Approx Ln			-	Concrete		Steel		-
		Bridge:	Steel	gui.		-	Timber	15'-11'			-
		Type:	Truss			- 	eck Girder	10-11	Through		-
		rype.	Trestle			Х			Girder		
						2	Approx.	Spoplo		7'-7"	-
		Nataa	Num Spar				Approx. \ - Built 1958	эран се	nguis	1 -1	-
		Notes:		Dallast De	CK TIMDE	r rresue	- Dulit 1956				-
SUBSTR	UCTURE Visual Conditio	n Doting		3							
		пкашу	2		Tim	abar	Nete		Chuin mana i	u a te la a subura s	
	Bent:		3	_Туре		nber				not bearing o	on cap
	Abutment:		5	_Туре 		crete		s			-
	Wingwalls:		3	Туре	Con	crete					-
	Embank			_Туре			_ Note	-			-
	Footing			Туре			Note	s			_
	Inaccessible ar	eas:									-
STREAM	CHANNEL										
	Visual Conditio	-	N/A	_							
	Stream Depth		Scour Evi	dence			_Moving Water				_
	Notes										_
											-
OVERAL				,					N/		
	High Priority		Medium P	riority			Low Priority		Х	-	

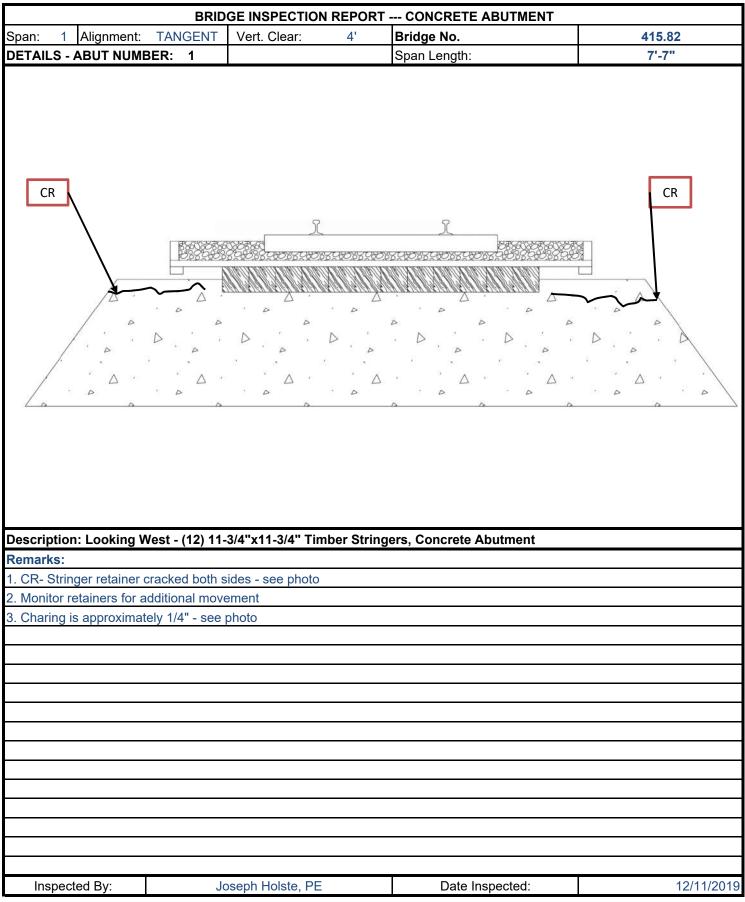




	BRID	GE INSPECT	ON REPORT	TIMBER ST	RUCTURE									
Spans:	2	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	415.82							
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	15'-11"							
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A							
E01 Scour	5	S01 Stringers		5	B09 Long	Brace	N/A							
E02 Channel	5	S02 Line Bolt	S	N/A	B10 Cap Long Brace N/A									
E03 Approach	3	S03 Bearing (	@ Cap	3	B11 Shims N/A									
DECK		BENTS			MISC. OTHER									
D01 Ties (OD only)	N/A	B01 West Abut	ment & Wingwalls	3	M01									
D02 Ties Spacers	N/A	B02 East Abutr	nent & Wingwalls	3	M02									
D03 Rail	3	B03 Caps		5	M03									
D04 Ballast Floor	5	B04 Pier		3	M04									
D05 Ballast Retainer	3	B05 Framed B	Bents	N/A										
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	3							
D07 Handrail	N/A	B07 Cross Br	aces	3										
			COMMENTS	6										
Reference				Remark										
Wingwalls	Wingwalls bo	th east and we	st side has some	e ballast loss,	undermine	d all 4 corners - se	e photo							
Structure	Bridge has be	en burned- Fir	e damage											
Ballast	Ballast plank	3" x 12", 9" of	ballast, low balla	st E/W appro	aches									
Headwall	Stringer head	wall retainer is	broken on left a	nd right side										
Ballast Retainer	North ballast	retainer leanin	g - see photo											
Drainage	Trash accum	ulation under s	tructure											
		MAINTEN	ANCE RECOM	MENDATION	S		MAINTENANCE RECOMMENDATIONS							
Priority														
D03	Replace rail v	ith heavier se		Description										
B01, B02, D05, B	Repair wingw		ction as tonnage											
B07, B		alls and headv	ction as tonnage vall retainer, both	dictates										
	Replace sway			dictates										
E03, B	Replace sway Add ballast at	/ braces		dictates										
E03, B B04, B11, S03, A	Add ballast at	/ braces	vall retainer, both	dictates										
	Add ballast at	/ braces approaches	vall retainer, both	dictates										
	Add ballast at	/ braces approaches	vall retainer, both	dictates										
	Add ballast at Shim pier to p	/ braces approaches	vall retainer, both	dictates		PRIORITY								
B04, B11, S03, A	Add ballast at Shim pier to p CONDI	/ braces approaches provide bearing	vall retainer, both	dictates										
B04, B11, S03, A 1. Failed (may requ	Add ballast at Shim pier to p CONDI	v braces approaches provide bearing FION RATING	vall retainer, both	dictates n ends		ediately								
B04, B11, S03, A 1. Failed (may requ 2. Deficient: OK for	Add ballast at Shim pier to p CONDI	v braces approaches provide bearing FION RATING	vall retainer, both	dictates n ends	B. Withi	ediately n 1 year								
B04, B11, S03, A 1. Failed (may requ 2. Deficient: OK for until repaired.	Add ballast at Shim pier to p CONDI uire bridge out c operations, but	v braces approaches provide bearing FION RATING of service ) requires Flagn	vall retainer, both	dictates n ends	B. Withi C. Withi	ediately n 1 year n 3 years								
<ol> <li>B04, B11, S03, A</li> <li>Failed (may required)</li> <li>Deficient: OK for until repaired.</li> <li>Satisfactory but with the second secon</li></ol>	Add ballast at Shim pier to p CONDI uire bridge out o operations, but /ith exceptions:	v braces approaches provide bearing FION RATING of service ) requires Flagn Slow order ma	vall retainer, both	dictates n ends	B. Withi C. Withi D. Withi	ediately n 1 year n 3 years n 5 years								
<ol> <li>B04, B11, S03, A</li> <li>Failed (may required)</li> <li>Deficient: OK for ountil repaired.</li> <li>Satisfactory but w</li> <li>Worker Safety: ited</li> </ol>	Add ballast at Shim pier to p CONDI uire bridge out c operations, but vith exceptions: ems such as ( h	v braces approaches provide bearing FION RATING of service ) requires Flagn Slow order ma	vall retainer, both	dictates n ends	B. Withi C. Withi D. Withi E. Withi	ediately n 1 year n 3 years n 5 years n 10 years	change 9							
<ol> <li>B04, B11, S03, A</li> <li>Failed (may required)</li> <li>Deficient: OK for a until repaired.</li> <li>Satisfactory but with Worker Safety: ites</li> <li>Good with minor a safety ited.</li> </ol>	Add ballast at Shim pier to p CONDI uire bridge out c operations, but vith exceptions: ems such as ( h	v braces approaches provide bearing FION RATING of service ) requires Flagn Slow order ma	vall retainer, both	dictates n ends	B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years itor, Condition may	change &							
<ol> <li>B04, B11, S03, A</li> <li>Failed (may required)</li> <li>Deficient: OK for ountil repaired.</li> <li>Satisfactory but w</li> <li>Worker Safety: ited</li> </ol>	Add ballast at Shim pier to p CONDI Uire bridge out o operations, but vith exceptions: ems such as ( h exceptions	v braces approaches provide bearing FION RATING of service ) requires Flagn Slow order ma	vall retainer, both	dictates n ends	B. Withi C. Withi D. Withi E. Withi M. Mon	ediately n 1 year n 3 years n 5 years n 10 years	change &							







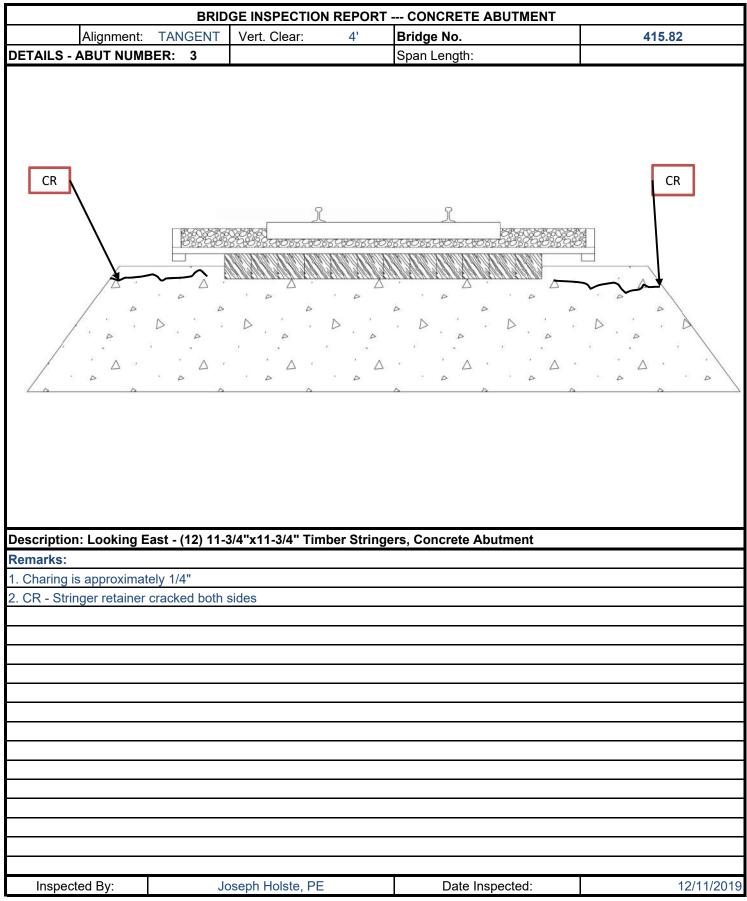




		BRIDGE INSPECTION R	EPORT TIMBER BENT	
Span: 2 Alignment:	TANGENT	Vert. Clear: 4'	Bridge No.	415.82
DETAILS - BENT NUMB	ER: 2		Span Length:	7'-7"
Cha				
Description: Looking Ea	ast - (12) 11-3	3/4"x11-3/4" Timber Stri	ngers, Timber Bent	
Remarks:		1		
1. Char - Charing is appro			no longer functional and nh	
3. No bearing on cap, shi			no longer functional - see pho	
5. No bearing on cap, sin		חומ		
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/11/2019

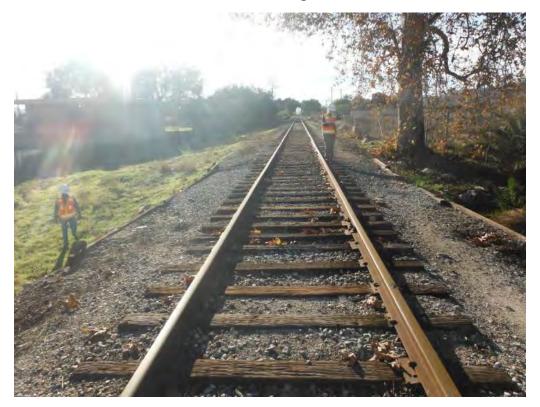








415.82 Looking East



415.82 Looking West



415.82 Looking North



415.82 Looking South



415.82 North ballast retainer leaning



415.82 Abutment stringer retainers cracked – typical all 4 corners



415.82 Wingwalls undermined – typical all 4 corners



415.82 Failed sway brace – pier 2





				BRIDGE	E INSPECTIO	ON REPO	DRT				
							SPECTION TYP	E:	An	nual	
								L			_
		CTURE IN	FORMATIO	NC			INSPECTIO				_
Milepost	415.92		-			Date	11-Dec-19			0 PM	_
Location	Santa Paula Br	anch Line				Inspecto	or Name		oseph Hols		_
	Santa Paula, C	A				Telepho	ne Number		303-501-7	1215	_
Stream			Overpass		Other	Х	Company	/W	'ilson & Co	mpany	_
Train Ope	erating Speed:	Freight:	10 mph	Passer	nger: 15 mph						
DECK	Туре:	Ballasted	Number of	f Tks	1	Visual C	ondition Rating		3	_	
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	3	_	
		Notes:		_		_		-			
	TIES	Type:	Timber		Tie Conditio	n Rating:	3				_
		Notes:	Poor cond			Ũ		_			
	<b>BALLAST</b>	Depth:	8"		last Conditio	n Rating [.]	3				-
		Notes:	Holes in b	-				_			
	DECK PLANKS		Timber	andot	Conditio	n Ratina [.]	3	Notes:			-
	OTHER	Туре:	ППЬСІ	_							_
	OTHER	туре.				n Nauny.		-			
SUPERS			0								
	Visual Conditio	-	3			_			-		
	Туре:	Culvert:	Number ba			-	und or Rect		Size		_
			Approx Ln	gth.		-	Concrete		Steel		_
		Bridge:	Steel			_	Timber	15'-11'	Concrete		_
		Type:	Truss			_ De	eck Girder		Through		
			Trestle			Х			Girder		
			Num Spar	ıs		2	Approx. S	Span Ler	ngths	7'-7"	
		Notes:		Ballast	Deck Timbe	r Trestle	- Built 1897				
SUBSTRI	JCTURE										
	Visual Conditio	n Rating			3		_				
	Bent:		5	Туре	Tin	nber	Notes	s	Bent #	2	
	Abutment:		3	Туре	Con	crete	Notes	5	Abut #1 &	& #3	
	Wingwalls:		3	Туре	Con	crete	- Notes	;			
	Embank			Туре			- Notes				
	Footing			Туре			- Notes				_
	Inaccessible ar	eas:					-				-
											-
OTDEAM											
SIREAM	CHANNEL Visual Conditio	n Poting	5								
	Stream Depth	•	5 Scour Evid	lence			Moving Water				
	Notes			lence			- wowing water				_
	1000										-
											-
	L RATING										
	High Priority	x	Medium P	riority			Low Priority				
	ingit flority			ionty						-	

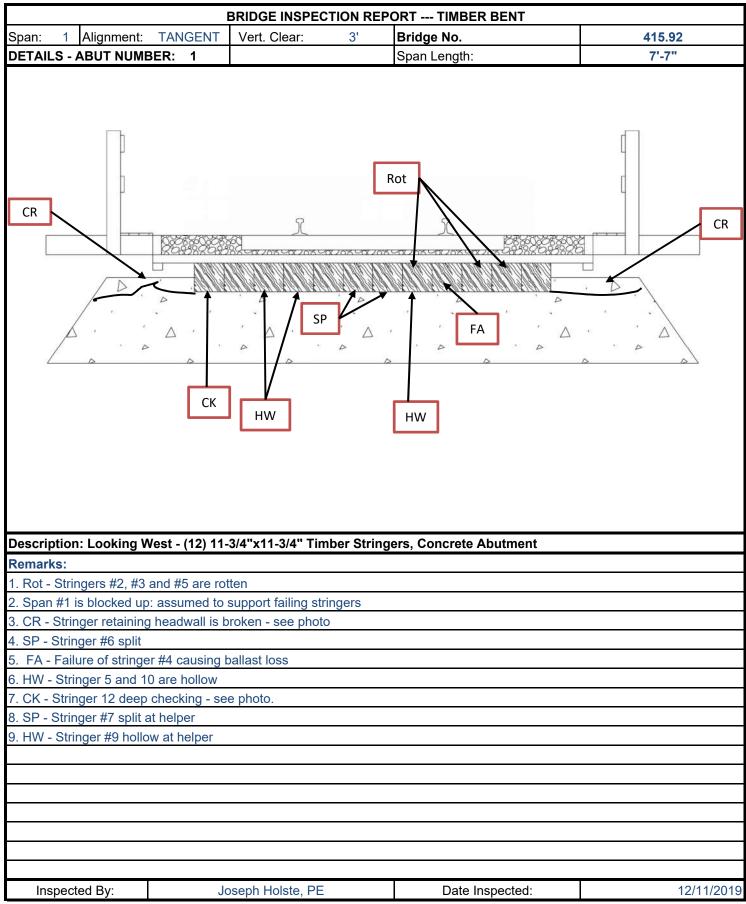




	BRID	GE INSPECT	ION REPORT	TIMBER STI	RUCTUR	E		
Spans:	2	Alignment:	Tangent	Vert. Clear:	3'-8"	Bridge No.	415.92	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainag	e Overall Length:	15'-11"	
ENVIRONMENT		STRINGERS			B08 Sas	h Brace	N/A	
E01 Scour	5	S01 Stringers	S01 Stringers 3		B09 Lon	g Brace	N/A	
E02 Channel	5	S02 Line Bolts N/A			B10 Cap	Long Brace	N/A	
E03 Approach	5	S03 Bearing @ Cap 3			B11 Shir	-	N/A	
DECK		BENTS			MISC. OTHER			
D01 Ties (OD only)	N/A	B01 West Abut	ment & Wingwalls	3	M01			
D02 Ties Spacers	N/A	B02 East Abutr	ment & Wingwalls	3	M02			
D03 Rail	3	B03 Caps		5	M03			
D04 Ballast Floor	3	304 Pier 5 M04						
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A				
D06 Footwalk	3	B06 Posts		N/A	Ov	erall Rating:	3	
D07 Handrail	3	B07 Cross Br	aces	N/A				
			COMMENTS	6				
Reference				Remark				
Wingwall	All four wingw	alls are failing						
Ballast	-		nks, low ballast	across bridge	- see pho	oto		
Walkway		ce - tripping ha		0				
Handrail		corners - see						
Headwall	Stringer retain	tringer retaining headwall is cracked at both abutments						
Debris		Debris under bridge						
Wingwall	NW wingwall	leaking - see p	photo.					
		MAINTEN	IANCE RECOMI		S			
Priority				Description				
<u>,</u>	Replace struc	ture with 3-4 2	24" or 30" CMP. I	Needs hydrold	ogy study.			
D03			ction as tonnage					
D04, B			fail. Monitor and		intained a	is a bridge		
D06, A	Walkway has	uneven surfac	e and is a trippir	ng hazard				
S03, B	Shim helper b	ents to all stri	ngers					
S01, A	Replace faile	d and rotten st	ringers					
D07, B	Repair handra	ail						
B01, B02, B	Repair wingw	alls						
	Recommend	a quarterly ins	pection (3 month	s) to assure t	he bridge	is functional until re	pairs are	
	made along v	/ith a slow orde	er of 10 mph be	placed on the	bridge.			
	CONDI	TION RATING				PRIORITY		
1. Failed (may requ	uire bridge out o	of service)			A. Imn	nediately		
2. Deficient: OK for		· · · · ·	nan/Inspector for	all trains	1	hin 1 year		
until repaired.	. ,	. 30				hin 3 years		
3. Satisfactory but w	vith exceptions:	Slow order m	ay be required.			hin 5 years		
4. Worker Safety: ite			• •			hin 10 years		
5. Good with minor e		•					/ change &	
6. New Bridge	•	eptions M. Monitor, Condition may change & - raise priority						
	ed: Reason stated							
	eason stated							

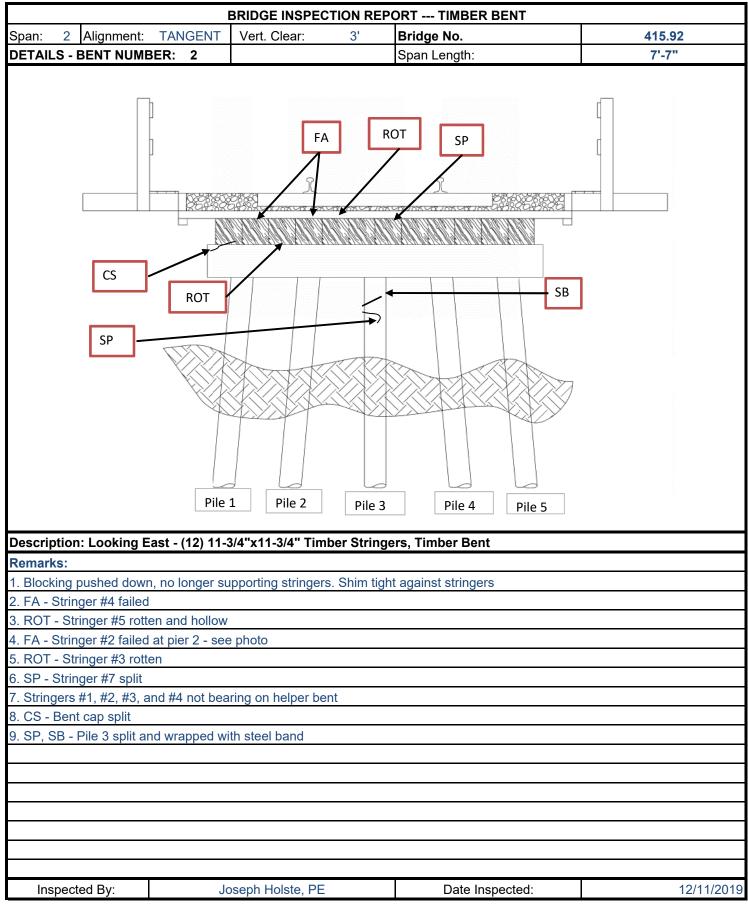






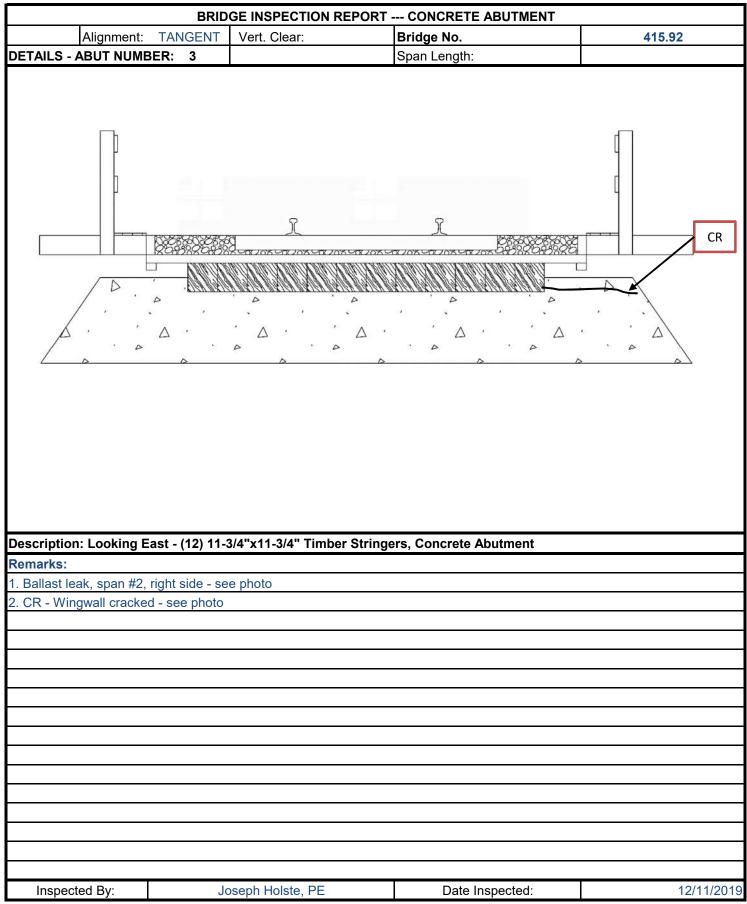














415.92 Looking East



415.92 Looking West



415.92 Looking North



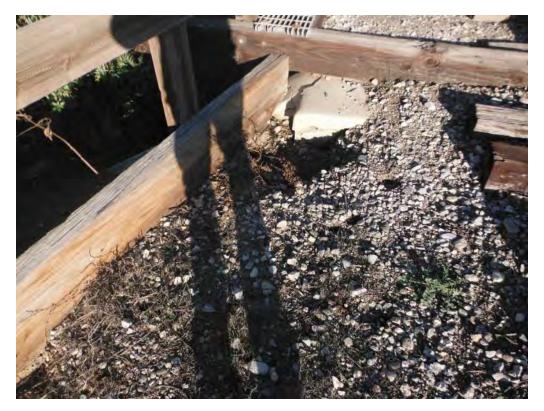
415.92 Looking South



415.92 Handrail leaning – all 4 corners



415.92 Ballast leak – Span 2 north side



415.92 NW wingwall leaking



415.92 Abutment stringer retainer cracked- typical NW, SW, SE



415.92 Helper bents not shimmed to stringers – both spans



415.92 Stringer 5 rotten, Stringer 2 & 4 failed, Span 2



415.92 Stringer 12 deep checking

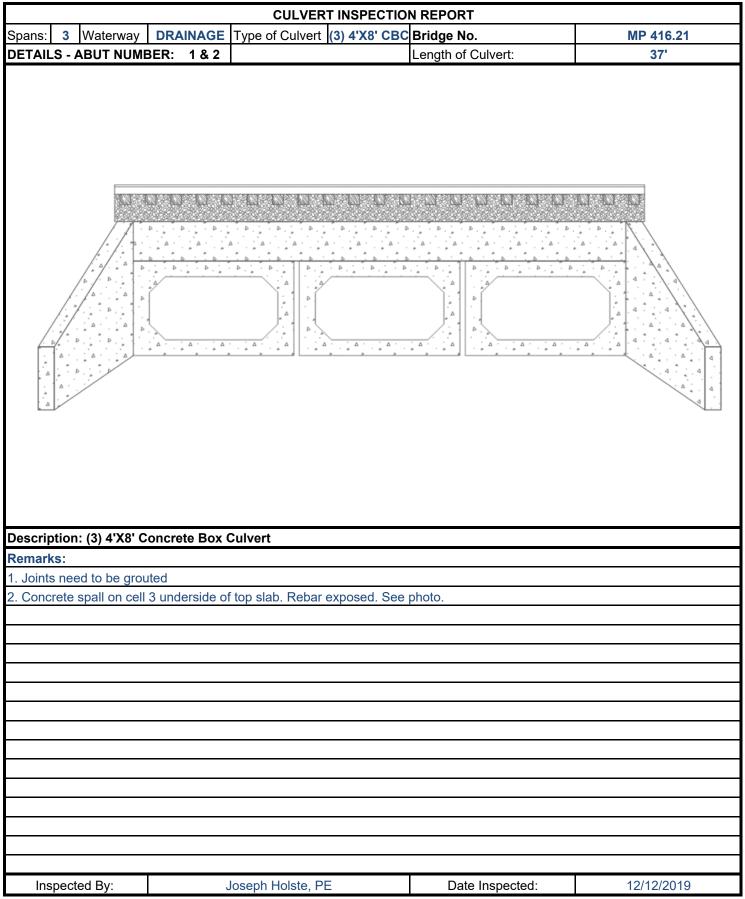




			Culver	rt Inspe	ection Fo	orm	
DIVISION	Santa Paula			NO.	/IP 416.21	TYPE OF CULVERT	(3) 4'X8' CBC
	Conto Doulo	NO. OF	2	Length of	27		Santa Davila, CA
BRANCH OVERALL RATI	Santa Paula	SPANS	3 ATERWAY	Culvert	37' OF TRACKS	LOCATION	Santa Paula, CA YEAR BUILT
				NO.			
	5	DR			1		2018
ITEM	GENERAL		CONDITION RATING			REMA	ARKS
1	Action Under Trains		7	No Trains			
2	Embankment		6				
3	Track Over Culvert		6				
	STREAM CONDITIO	ONS					
4	Alignment		6				
5	Channel		6				
6	Paving Through Culvert		N/A				
7	Rip Rap		N/A				
8	Sheet Piling Protection		N/A				
9	Cleanliness		CLEAN				
	MASONRY						
10	Abutment		N/A				
11	Arch Ring		N/A				
12	Headwalls		6				
13	Wingwalls		6				
14	Foundations		N/A				
15	Roofs		6				
16	Walls		6				
17	Piers		N/A				
18	Parapet Walls		N/A				
19	Pointing		N/A				
20	Cradles		N/A				
21	Previous Gunite		N/A				
22	Slab		6				
23	Pipes-Metal/Concrete		N/A				
Remarks:	<ol> <li>Concrete spall at joint of 2. All interior joints need f</li> <li>Soil cover above struct</li> <li>Needs handrail along h</li> </ol>	to be gro ure is be	uted tween 3' to 4'	b, cell 3. Rel	oar exposed. S	ee photo	
	NOTE	ANY SCOU	IR, SETTLEMENT,	DISTRESS, SLI	DE FAILURE, BACK	WATER OR OBSTR	UCTION.
			RATINGS				PRIORITY
1. Failed	( may require bridge out					A. Immed	
	ent: OK for operations, but			pector for a	ll trains		1 year
	epaired.	•				C. Within	3 years
	actory but with exceptions:						15 years
	r Safety: items such as ( ł	handrail,	footwalk, etc.	)			10 years
	with minor exceptions						or, Condition may
6. New E						chang	e & raise priority
7. Not in:	spected: Reason stated						
YPE OF CULV	ERTS: PIPE -	CAST IRO	N	ARCH -	STONE	BOX -	STONE
		STEEL			CONCRETE		CONCRETE
		CONCRET	E	1	BRICK	-	RAIL TOP
Inspe	ector: Jose	ph Holst	e, PE	Date	Inspected:		12/12/2019









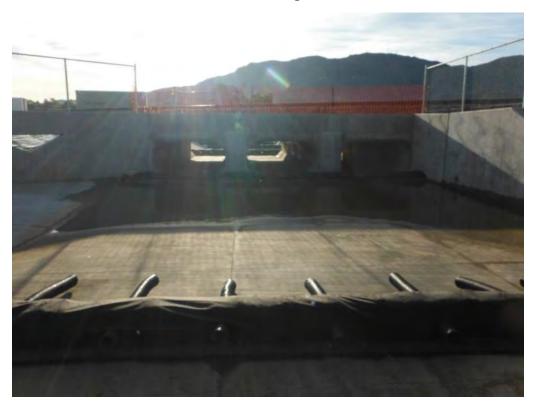
416.21 Looking East



416.21 Looking West



416.21 Looking North



416.21 Looking South



416.21 Cell 3 concrete spall on underside of top slab. Rebar exposed





				BRIDGE IN	ISPECTIC	N REPO	RT				
							<b>SPECTION TYP</b>	PE:	An	nual	
				<u></u>							-
		CIUREIN	IFORMATI	ON			INSPECTIC				-
Milepost	416.32		-			Date	12-Dec-19			0 AM	-
Location	Santa Paula Br					-	r Name		seph Hol		-
	Santa Paula, C				-	Telephor	ne Number		303-501-	1215	_
Stream	X - Haun C		Overpass		Other		Company	yW	ilson & Co	ompany	_
	erating Speed:										
DECK	Туре:	Open	-				isual Condition	· ·		_	
	RAIL	Weight:	80#	Туре:	Jointed	Vi	isual Condition	Rating:	3	_	
		Notes:	West app	roach is low	, rail is ho	rizontally	kinked at west	abutme	nt		_
	TIES	Type:	Timber	Tie	Conditior	n Rating:	5				
		Notes:									_
	<b>BALLAST</b>	Depth:		Ballast	Conditior	n Rating:					
		Notes:									
	DECK PLANKS	Type:			Conditior	n Rating:		Notes:			-
	<u>OTHER</u>	Type:			Conditior	n Rating:					
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	-	Number b	arrels		Rou	und or Rect		Size		
	51		Approx Lr				Concrete		Steel	Х	-
		Bridge:	Steel	45	5'		Timber				-
		Type:	Truss		<u> </u>		eck Girder		Through		-
		турс.	Trestle						Girder		-
			Num Spai			3	Approx. S	Span L or		14'-6", 15',	14' 6"
		Notes:	Nulli Opa		-		Built 2018		iguis	14-0,10,	14-0
		Notes.		Open Dec			Duit 2010				-
SUBSTRI											
SOBOTIN	Visual Conditio	n Rating		5							
	Bent:		5	Туре	Tim	ıber	- Notes	5	Bent #2 a	& #3	
	Abutment:		5	 Type		one	Notes		Abut #1 8		-
	Wingwalls:		5	 Type		one		-		und abutme	- nts
	Embank		0	 Type			Notes	~			-
	Footing			_туре Туре			Notes				-
	Inaccessible ar			_ Type			. Notes	·			-
		eas.									-
OTDEAM											
SIREAM	CHANNEL Visual Conditio	n Doting	Б								
	Stream Depth	-	5 Scour Evi	dence			Moving Water		no		
	Notes			uence			wowing water		no		-
	110100										-
											-
OVERAL	L RATING										
	High Priority		Medium F	Priority			Low Priority	х			
	. ,		-				. ,				





	BRI	DGE INSPECT	ION REPORT	TIMBER ST	RUCTURE			
Spans:	3	Alignment:	Tangent	Vert. Clear:	7' +/-	Bridge No.	416.32	
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Creek	Overall Length:	45'	
ENVIRONMENT		STRINGERS			B08 Sash	Brace	5	
E01 Scour	5	S01 Stringers		5	B09 Long	Brace	N/A	
E02 Channel	3	S02 Line Bolt		N/A		_ong Brace	N/A	
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shims		5	
DECK		BENTS				MISC. OTHER		
D01 Ties (OD only)	N/A	B01 West Ab	utment	5	M01			
D02 Ties Spacers	N/A	B02 East Abu	Itment	5	M02			
D03 Rail	3	B03 Caps		5	M03			
D04 Ballast Floor	N/A	B04 Piles			M04			
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A				
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	5	
D07 Handrail	N/A	B07 Cross Br	aces	5		-	-	
			COMMENT	S	4 <b>1</b>			
Reference				Remark				
Handrail	No handrail							
Wingwall	Erosion arou	und wingwalls. S	See photo					
Ballast	Ballast retai	ner rotated at at	outment 1					
Priority E03, B	Raise and s		IANCE RECOM		S			
D03 E02, A		with heavier se	ction as tonnage		ent water fi	rom hitting stringers	3	
D03		with heavier se	ction as tonnage	e dictates	ent water fi	rom hitting stringers	5	
D03	Bridge has s	with heavier se	ction as tonnage	e dictates	ent water fi	rom hitting stringers	3	
D03 E02, A 1. Failed (may requ	Bridge has s	with heavier se silted in more, ch ittion RATING of service )	ction as tonnage	e dictates eaning to prev			3	
D03 E02, A 1. Failed (may requ 2. Deficient: OK for	Bridge has s	with heavier se silted in more, ch ittion RATING of service )	ction as tonnage	e dictates eaning to prev	A. Immo B. With	PRIORITY	5 	
D03 E02, A 1. Failed (may requ	Bridge has s	with heavier se silted in more, ch ittion RATING of service )	ction as tonnage	e dictates eaning to prev	A. Imm B. With	PRIORITY ediately	3	
D03 E02, A 1. Failed (may requ 2. Deficient: OK for	Bridge has s	with heavier se silted in more, cl silted in more,	nannel needs cle	e dictates eaning to prev	A. Imm B. With C. With	PRIORITY ediately in 1 year	;	
D03 E02, A 1. Failed (may required) 2. Deficient: OK for until repaired.	Bridge has s	with heavier se silted in more, ch ittion RATING of service ) t requires Flagn :: Slow order m	nannel needs clo nannel needs clo nan/Inspector fo ay be required.	e dictates eaning to prev	A. Immo B. With C. With D. With	PRIORITY ediately in 1 year in 3 years	3	
D03 E02, A 1. Failed (may requ 2. Deficient: OK for until repaired. 3. Satisfactory but w	Bridge has s	with heavier se silted in more, ch ittion RATING of service ) t requires Flagn :: Slow order m	nannel needs clo nannel needs clo nan/Inspector fo ay be required.	e dictates eaning to prev	A. Imm B. With C. With D. With E. With	PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years		
D03 E02, A 1. Failed (may required) 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Bridge has s	with heavier se silted in more, ch silted in more, ch requires Flagn of service ) t requires Flagn Slow order m	nannel needs clo nannel needs clo nan/Inspector fo ay be required.	e dictates eaning to prev	A. Imme B. With C. With D. With E. With M. Mon	PRIORITY ediately in 1 year in 3 years in 5 years		
D03 E02, A 1. Failed (may required) 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor	Bridge has s	with heavier se silted in more, ch silted in more, ch requires Flagn of service ) t requires Flagn Slow order m	nannel needs clo nannel needs clo nan/Inspector fo ay be required.	e dictates eaning to prev	A. Imme B. With C. With D. With E. With M. Mon	PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years itor, Condition may		





	BR	IDGE INSPECTIO	N REPO	RT STONE ABUTMENT	
Span: 1 Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32
DETAILS - ABUT NUM	BER: 1			Span Length:	14'-6"
ML					
Description: Looking	Nest - (4) Stee	el Stringers, Stone	Abutme	ent	
Remarks: 1. ML - Material loss no	rth and couth a	idea of wingwalla	aaa nhat	22	
2. Backwall leaning aga		ides of willgwalls -	see prior	05	
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/12/2019

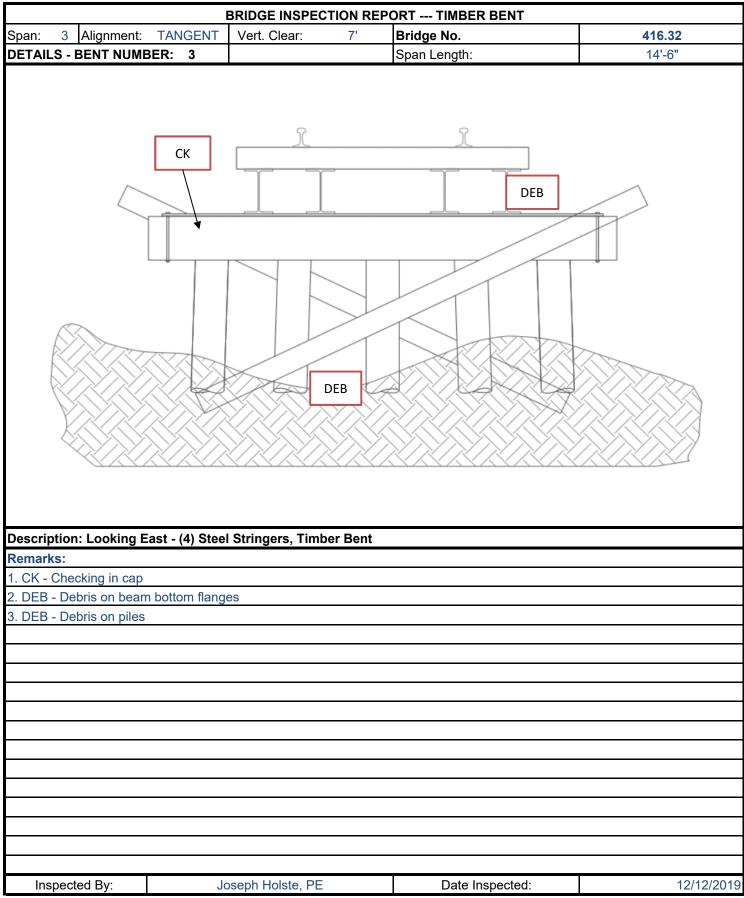




		BRIDGE INSPECTION I	REPORT TIMBER BENT	
Span: 2 Alignment:	TANGENT	Vert. Clear: 7'	Bridge No.	416.32
DETAILS - BENT NUM			Span Length:	15'
	СК			SP
Description: Looking E	East - (4) Stee	l Stringers, Timber Ber	t	
Remarks:				
1. CK - Checking in cap	an ana nhata			
<ol> <li>SP - Vertical split in c</li> <li>DEB - Debris on piles</li> </ol>	ap - see prioto			
5. DEB - Debris on piles	- see prioto			
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/12/2019



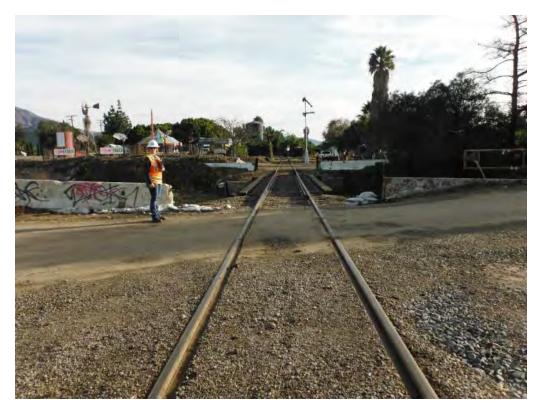








BRIDGE INSPECTION REPORT STONE ABUTMENT									
Alignment:	TANGENT	Vert. Clear:	5'	Bridge No.	416.32				
DETAILS - ABUT NUM	BER: 4			Span Length:	14'-6"				
					ML				
Description: Looking E Remarks:	asi - (4) Siee	Stringers, Stone	Abutmen	l					
1. ML - Material loss nor	th and south s	ides of wingwalls -	see photo	S					
				-					
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/12/2019				



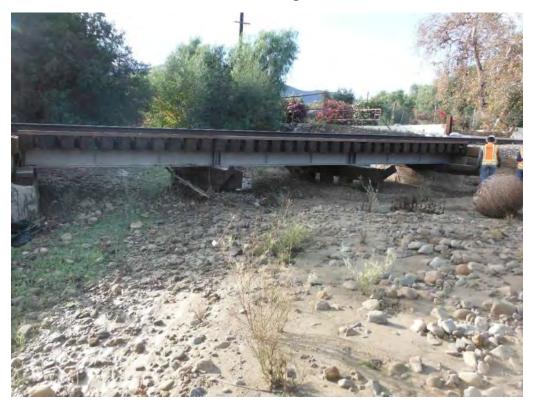
416.32 Looking East



416.32 Looking West



416.32 Looking North



416.32 Looking South



416.32 Channel condition. Looking Upstream



416.32 Channel condition. Looking Downstream



416.32 Erosion around wingwalls (typ.)



416.32 Vertical split in cap – Pier 2



416.32 Debris on piles – Pier 2





BRIDGE INSPECTION REPORT											
					INSPECTION TYPE:				Anr	nual	
	CTDU				INSPECTION INFORMATION					-	
			IFORMATI	ON	-						- '
Milepost	416.63		-			Date	12-Dec-19				_ !
Location	Santa Paula Br				-	-	or Name		oseph Hols		_ !
	Santa Paula, C	A			-		one Number		303-501-1		- !
Stream			Overpass		Other	Х	_ Company	/W	/ilson & Co	mpany	- '
	erating Speed:										!
DECK	Туре:		-			-	Condition Rating	-	5	-	ļ
1	RAIL	-		Type:		-	isual Condition	Rating:	3	-	l
1		Notes:	Both appr	oaches are l	-		-				_ !
	<u>TIES</u>	Type:	Timber	Tie	Conditio	n Rating:	5				
		Notes:									_
1	<b>BALLAST</b>	Depth:		Ballast	Conditio	n Rating:					- !
1	_	Notes:		-				-			l
	DECK PLANKS	Type:			Conditio	n Rating:	:	Notes:			- !
	OTHER	Type:					:				-
	<u> </u>	176-1			-			-			
CIIDERS.	TRUCTURE										
SUPLING		- Doting	5								
1	Visual Condition	-	5 Number b	— 		De	! - » D - of		0:		
	Туре:	Cuivert:	Number b			-	und or Rect		Size		-
			Approx Lr	-		-	Concrete		Steel		-
		Bridge:	Steel	12	<u> </u>	-	Timber		Concrete		-
		Type:	Truss			_ D(	eck Girder	Х	Through		
			Trestle						Girder		_
			Num Spar	ns		1	Approx. S	3pan Ler	ngths	11'-3"	_
		Notes:		R	Rolled Ste	eel I-bear	ns				_
											_
SUBSTR	UCTURE										
-	Visual Condition	n Rating		5							
	Bent:	-		Туре			– Notes	3			
	Abutment:		5	 Type	Tir	nber	– Notes		Abut #1 8	k #2	-
	Wingwalls:		5	 Туре	-	nber	– Notes				-
	Embank		<u> </u>	Туре			– Notes				-
	Footing			_туре Туре			- Notes				-
	Inaccessible ar			_ ' ) PC			-	,			-
		643.									-
STREAM	CHANNEL		-								
	Visual Condition	n Rating	<u>5</u>		N	1	Maring Motor		No		
	Stream Depth Notes	2' Scour	Scour Evi	aence n culvert - se		'es	Moving Water		No		-
	NULES		at upsucan	Il Cuivert - se	e prioto						-
											-
OVERAL	L RATING		Madium E	)-i-rity			Low Driority		V		
	High Priority		Medium F	monty			Low Priority		Х	-	

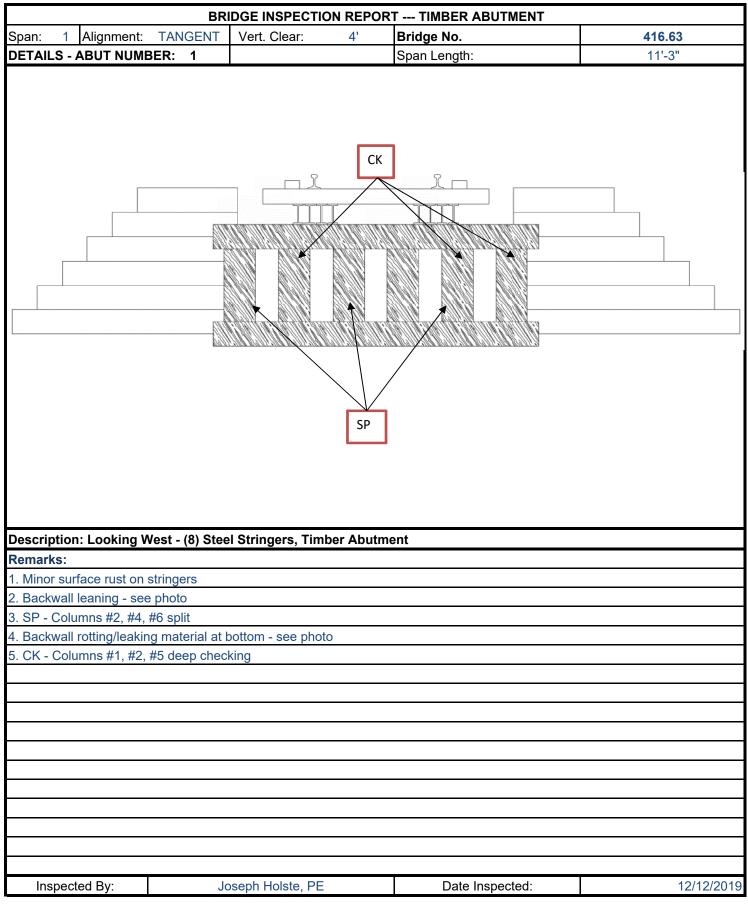




WAINLINE/SUBDIVISI		DGE INSPECT	ION REPORT -	- TIMBER ST	RUCTUR	E			
Spans:	1	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	416.63		
No. of Tks:	1	Deck Type:	Open	Br. Over:	Draina		12'		
ENVIRONMENT		STRINGERS			B08 Sa	sh Brace	N/A		
E01 Scour	5	S01 Stringers		5	B09 Lor	ng Brace	N/A		
E02 Channel	5	S02 Line Bolt	S02 Line Bolts 5		B10 Ca	B10 Cap Long Brace			
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shi		N/A		
DECK		BENTS				DTHER			
D01 Ties (OD only)	5	B01 West Ba	ckwall	3	M01				
D02 Ties Spacers	5	B02 East Bac	kwall	3	M02				
D03 Rail	3	B03 Caps		5	Both ap	proaches are low, ra			
D04 Ballast Floor	N/A	B04 Piles		5	M04				
D05 Ballast Retainer	N/A	B05 Framed I	Bents	5					
D06 Footwalk	N/A	B06 Posts		5	<b>O</b>	verall Rating:	5		
D07 Handrail	N/A	B07 Cross Br	aces	N/A					
			COMMENT	S					
Reference				Remark					
	No handrail,	No walkway							
	Guard ties r	otten and broke	n - see photo						
Wingwalls	Erosion at a	ll wingwalls							
	+								
		MAINTEN	IANCE RECON		S				
Priority				Description					
E03, B	Raise appro								
D03		as appropriate	ů.						
B01, B02	Repair back	wall locations th	at are leaking						
	COND	ITION RATING				PRIORITY			
1. Failed (may requ	ire bridge out	A. Im	mediately						
2. Deficient: OK for o	operations, bu	it requires Flagn	nan/Inspector fo	or all trains	B. Wi	thin 1 year			
until repaired.					C. W	thin 3 years			
3. Satisfactory but w	ith exceptions	: Slow order m	ay be required.		D. W	thin 5 years			
4. Worker Safety: ite			•			thin 10 years			
5. Good with minor e	,		· · · ·			onitor, Condition may	change &		
6. New Bridge	•					ise priority	0 1		
ě	eason stated	· · ·							

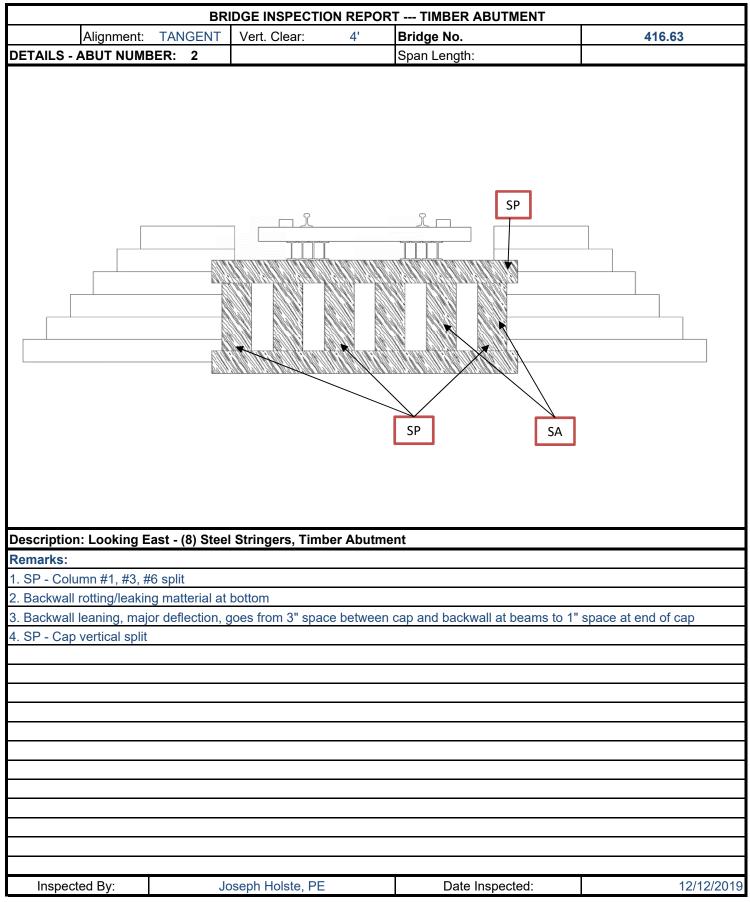














416.63 Looking East



416.63 Looking West



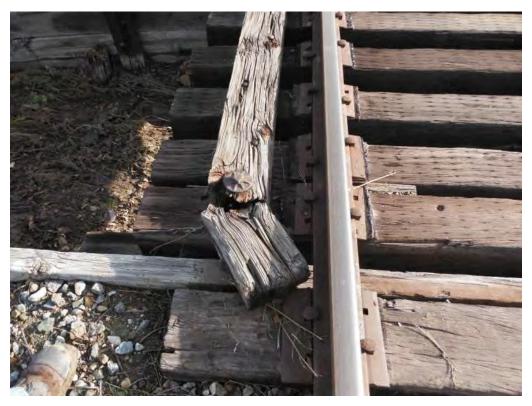
416.63 Looking North



416.63 Looking South



416.63 2' Scour at upstream culvert



416.63 Guard ties rotten and broken



416.63 Backwall leaning - Abutment 1 & 2



416.63 Split pile 6 at Abutment 1, typ multiple locations



416.63 Backwall rotting/leaking material at bottom (Typ.)





BRIDGE INSPECTION REPORT											
						INS	SPECTION TYP	E:	An	nual	
	STDU		IFORMATI			INSPECTION INFORMATION					
Milenet				JN	-	Dete					_
Milepost	417.24	and the second	-			Date	12-Dec-19			5 AM	_
Location	Santa Paula Br				-	Inspecto			oseph Hols		_
	Santa Paula, C	A			-	l elepho	ne Number	_	303-501-		_
Stream	X		Overpass		Other		_ Company	/W	ilson & Co	mpany	_
	erating Speed:			Passenger							
DECK	Туре:		Number of		1		ondition Rating	-	3	-	
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	3	_	
		Notes:	Horizontal	rail misaligr	nment at	west side	e of bridge, dip a	at road c	rossing		_
	TIES	Type:	Timber	Tie	Conditio	n Rating:	3	_			
		Notes:									
	<b>BALLAST</b>	Depth:	11"	Ballast	Conditio	n Rating:	5				
		Notes:		-				_			
	DECK PLANKS	Type:	Timber		Conditio	n Rating:	5	Notes:			
	OTHER	Type:				n Rating:					_
		51			_	5		_			
SUPERST	TRUCTURE										
	Visual Conditio	n Rating	3								
	Туре:	-	Number ba	arrels		Roi	und or Rect		Size		
	Typo.	Ourvort.	Approx Ln			-	Concrete		Steel		_
		Bridge:	Steel	gui.		-	Timber	75'	Concrete		_
		•				-		15			_
		Туре:	Truss			-	eck Girder		Through		
			Trestle			<u>X</u>	A		Girder	4.51	_
			Num Spar			5	Approx. S	span Ler	ngths	15'	_
		Notes:		Balla	ist Deck	Timber Tı	restle				-
SUBSTRU	UCTURE Visual Conditio	n Poting		3							
	Bent:	mauny	3		Tin	abor	- Notes	Po	nt #0 #2	#1 0 #5	
				_Туре Туре		nber	-		nt #2, #3,		_
	Abutment:		5	Туре		nber	Notes		Abut #1 8		_
	Wingwalls:		3	Туре	lin	nber	Notes				_
	Embank			Туре			- Notes				_
	Footing			Туре			- Notes	s			_
	Inaccessible ar	eas:									_
STREAM	CHANNEL										
	Visual Conditio	n Rating	3	_							
	Stream Depth		Scour Evi			inor	Moving Water		No		_
	Notes	Lots of de	ebris and la	rge rocks ur	nder brid	ge					_
											_
OVERAL											
	High Priority	Χ	Medium P	riority			Low Priority			-	

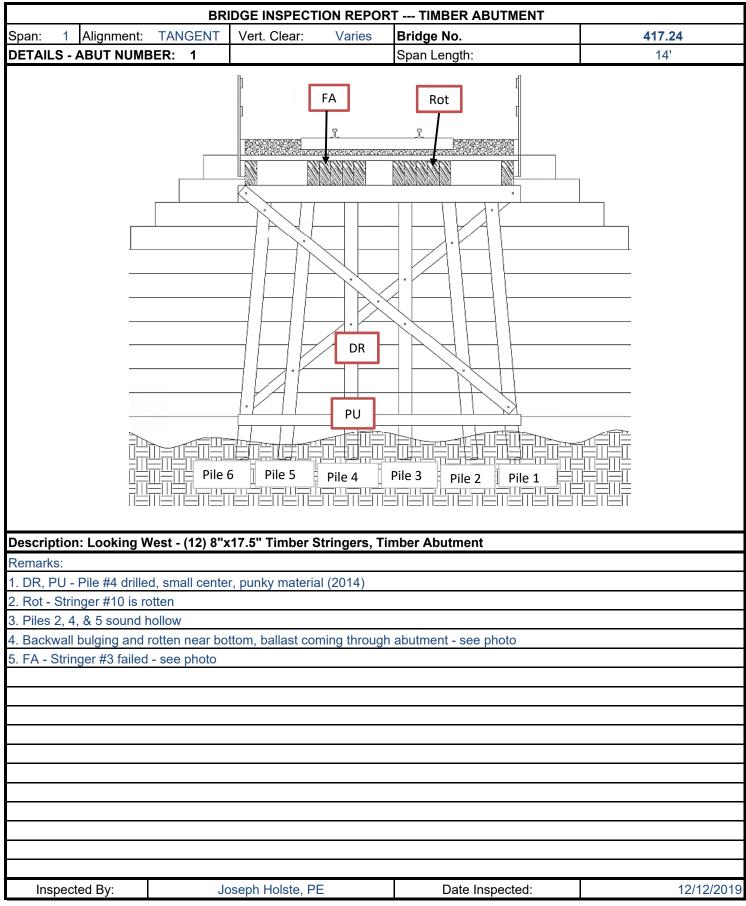




	BRID	GE INSPECT	ION REPORT -	TIMBER ST	RUCTURE		
Spans:	5	Alignment:	Tangent	Vert. Clear:	8'	Bridge No.	417.24
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Stream	Overall Length:	75'
ENVIRONMENT		STRINGERS			B08 Sash Brace		5
E01 Scour	3	S01 Stringers		3	B09 Long Brace		5
E02 Channel	3	S02 Line Bolts		N/A	B10 Cap I	_ong Brace	N/A
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shim	S	5
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	3	M01 West	Wingwall	3
D02 Ties Spacers	N/A	B02 East Bac	kwall	3	M02 East	Wingwall	3
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	3	B04 Piles		3	M04		
D05 Ballast Retainer	3	B05 Framed B	Bents	N/A			
D06 Footwalk		B06 Posts		N/A	Ove	rall Rating:	3
D07 Handrail	4	B07 Cross Br	aces	5			
			COMMENT	S			
Reference				Remark			
Minowall	Wingwall on e	ast end, south	neast side is fail	ing, northeast	end wingwa	all undermined. Wi	ngwall on
Wingwall			failing. SE Eros				-
Llandroil	Handrail and p	oosts are in ve	ery poor condition	on, top rail rota	ted, missin	g midrail on north a	and south
Handrail	sides - see ph	oto					
Utility Utility crossing 30' to right above and below ground							
Ouncy							
Backwall		ackwall buldgi		butment 6 bac	kwall rotte	n and leaning	
Backwall				IMENDATION		n and leaning	
Backwall Priority	Abutment 1 ba	MAINTEN	ng and rotten. A	IMENDATION Description	S	n and leaning	
Backwall Priority A	Abutment 1 ba	MAINTEN tation under a	ng and rotten. A	IMENDATION Description	S	n and leaning	
Backwall Priority A A	Abutment 1 ba	MAINTEN tation under a rack ties	ng and rotten. A IANCE RECOM	IMENDATION Description ge and on track	<b>S</b> (S		
Backwall Priority A A E01, E02, B	Abutment 1 ba Remove vege Replace bad t Clear boulders,	MAINTEN tation under a rack ties trees and other	ng and rotten. A IANCE RECOM nd around bridg	IMENDATION Description ge and on track	<b>S</b> (S	n and leaning flow and prevent dan	nage to pile
Backwall Priority A A E01, E02, B D03	Abutment 1 ba Remove vege Replace bad to Clear boulders, Replace 80 lb	MAINTEN tation under a rack ties trees and other rail as require	ng and rotten. A IANCE RECON nd around bridg debris from unde	IMENDATION Description ge and on track er bridge to allov	<b>S</b> (S v maximum )		nage to pile
Backwall Priority A A E01, E02, B D03 D04, A	Abutment 1 ba Remove vege Replace bad to Clear boulders, Replace 80 lb Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with	ng and rotten. A IANCE RECOM nd around bridg	IMENDATION Description ge and on track er bridge to allov	<b>S</b> (S v maximum )		nage to pile
Backwall Priority A A E01, E02, B D03 D04, A S01, A	Abutment 1 ba Remove vege Replace bad t Clear boulders, Replace 80 lb Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers.	ng and rotten. A IANCE RECON nd around bridg debris from unde	IMENDATION Description ge and on track er bridge to allov	<b>S</b> (S v maximum )		nage to pile
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C	Abutment 1 ba Remove veger Replace bad to Clear boulders, Replace 80 lb Replace ballas Replace ballas Replace bad s	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is	ng and rotten. A IANCE RECON nd around bridg debris from unde ed for tonnage stringer replace	IMENDATION Description ge and on track er bridge to allov	<b>S</b> (S v maximum )		nage to pile
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B	Abutment 1 ba Abutment 1 ba Remove vege Replace bad to Clear boulders, Replace 80 lb Replace ballas Replace ballas Replace bad s Replace bad s	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal	ng and rotten. A IANCE RECON nd around bridg debris from unde ed for tonnage stringer replace	IMENDATION Description ge and on track er bridge to allov	<b>S</b> (S v maximum )		nage to pile
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C	Abutment 1 ba Remove vege Replace bad t Clear boulders, Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. ls around wingwal gnment	ng and rotten. A IANCE RECOM nd around bridg r debris from unde ed for tonnage stringer replace	IMENDATION Description ge and on track er bridge to allov ement. Monitor	S s v maximum condition	flow and prevent dan	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B	Abutment 1 ba Abutment 1 ba Remove veger Replace bad tr Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins	ng and rotten. A IANCE RECOM Id around bridg d for tonnage stringer replace	IMENDATION Description ge and on track er bridge to allov ement. Monitor	S x maximum condition he bridge is		
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B	Abutment 1 ba Abutment 1 ba Remove veger Replace bad tr Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow orde	ng and rotten. A IANCE RECOM nd around bridg r debris from unde ed for tonnage stringer replace lls pection (3 mont er of 10 mph be	IMENDATION Description ge and on track er bridge to allov ement. Monitor	S x maximum condition he bridge is	flow and prevent dan	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B	Abutment 1 ba Abutment 1 ba Remove vege Replace bad to Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow order	ng and rotten. A IANCE RECOM nd around bridg r debris from unde ed for tonnage stringer replace lls pection (3 mont er of 10 mph be	IMENDATION Description ge and on track er bridge to allov ement. Monitor	S x maximum condition he bridge is bridge.	flow and prevent dan s functional until re PRIORITY	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B 1. Failed (may requ	Abutment 1 ba Abutment 1 ba Remove vege Replace bad ti Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow orde <b>TON RATING</b> f service )	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S x maximum condition he bridge is bridge. A. Imme	flow and prevent dan s functional until re PRIORITY ediately	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B 1. Failed (may requ 2. Deficient: OK for o	Abutment 1 ba Abutment 1 ba Remove vege Replace bad ti Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow orde <b>TON RATING</b> f service )	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S x maximum condition he bridge is bridge. A. Imme B. With	flow and prevent dan s functional until re PRIORITY ediately in 1 year	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B 1. Failed (may requ 2. Deficient: OK for our of the second	Abutment 1 ba Remove veger Replace bad tr Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow orde <b>TON RATING</b> f service ) requires Flagn	IANCE RECOM IANCE RECOM Ind around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S xs v maximum condition he bridge is bridge. A. Imme B. With C. With	flow and prevent dan s functional until re PRIORITY ediately in 1 year in 3 years	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w	Abutment 1 ba Abutment 1 ba Remove vege Replace bad to Clear boulders, Replace ballas Replace ballas	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow order f service ) requires Flagn	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be man/Inspector for ay be required.	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S x maximum condition he bridge is bridge. A. Imme B. With C. With D. With	flow and prevent dan flow and prevent dan s functional until re PRIORITY ediately in 1 year in 3 years in 5 years	
Backwall Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Abutment 1 ba Abutment 1 ba Remove veger Replace bad t Clear boulders, Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Repair erosion a Correct rail alia Recommend a made along w CONDIT uire bridge out of operations, but r with exceptions: ems such as ( has	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow order f service ) requires Flagn	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be man/Inspector for ay be required.	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	s x maximum condition he bridge is bridge. A. Imme B. With C. With D. With E. With	flow and prevent dan s functional until re PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years	pairs are
Backwall         Priority         A         E01, E02, B         D03         D04, A         S01, A         B01, B02, B/C         E01, E02, B         E03, B         I. Failed (may required)         2. Deficient: OK for ountil repaired.         3. Satisfactory but w         4. Worker Safety: ite         5. Good with minor e	Abutment 1 ba Abutment 1 ba Remove veger Replace bad t Clear boulders, Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Replace ballas Repair erosion a Correct rail alia Recommend a made along w CONDIT uire bridge out of operations, but r with exceptions: ems such as ( has	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow order f service ) requires Flagn	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be man/Inspector for ay be required.	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S xs v maximum condition he bridge is bridge. A. Imme B. With C. With D. With E. With M. Mon	flow and prevent dan flow and prevent dan s functional until re PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years itor, Condition may	pairs are
Priority A A E01, E02, B D03 D04, A S01, A B01, B02, B/C E01, E02, B E03, B E03, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Abutment 1 ba Abutment 1 ba Remove veger Replace bad to Clear boulders, Replace ballas Replace ballas R	MAINTEN tation under a rack ties trees and other rail as require st planks with stringers. Is around wingwal gnment a quarterly ins ith a slow order f service ) requires Flagn	IANCE RECOM IANCE RECOM Id around bridg r debris from unde ed for tonnage stringer replace Ils pection (3 mont er of 10 mph be man/Inspector for ay be required.	IMENDATION Description ge and on track er bridge to allov ement. Monitor hs) to assure t placed on the	S xs v maximum condition he bridge is bridge. A. Imme B. With C. With D. With E. With M. Mon	flow and prevent dan s functional until re PRIORITY ediately in 1 year in 3 years in 5 years in 5 years in 10 years	pairs are

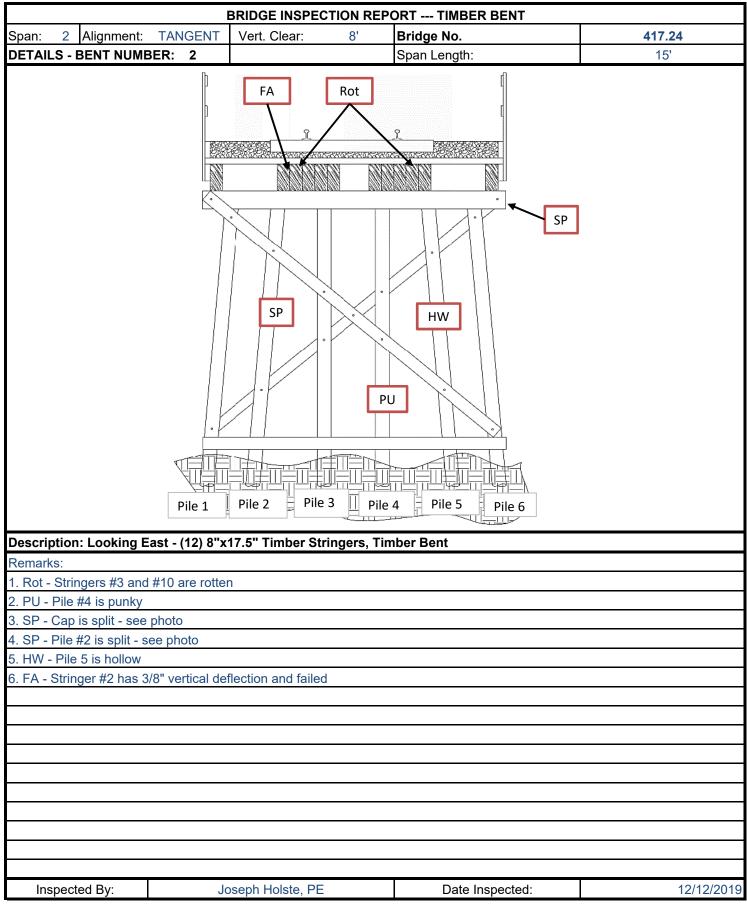






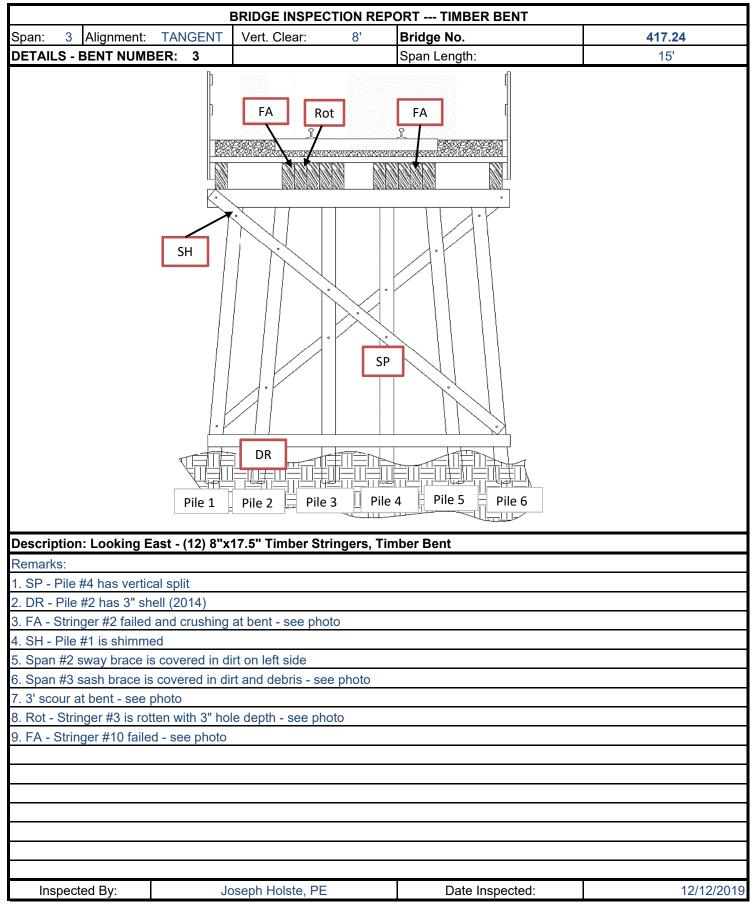












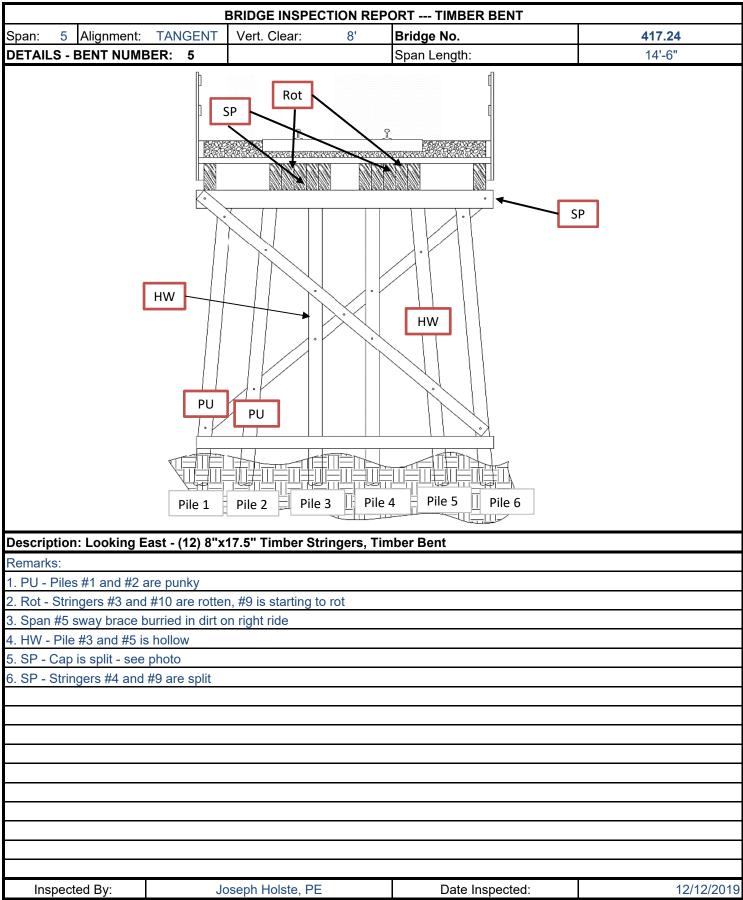




	BRIDGE INSPECTIO	N REPORT TIMBER BENT	
Span: 4 Alignment: TANGENT	Vert. Clear:	8' Bridge No.	417.24
DETAILS - BENT NUMBER: 4		Span Length:	15'
Pile 1	FA HW		SP
Description: Looking East - (12) 8"x	17.5" Timber String	ers, Timber Bent	
Remarks:			
1. Rot - Stringers #10 and #12 are rott	en		
2. Debris at base of Bent #4, 4' scour	on right cide		
3. Span #4 sway brace burried in dirt o	on right side		
4. Pile 2 is hollow 5. SP - Cap is split - see photo			
6. Pile #6 impact damage 7. 3 ft of scour on west side			
8. Debris built up on east side			
	) an		
<ol> <li>Stringer #10 deflected 1/2" at midsp</li> <li>Stringers #6 and #7 rotated inward</li> </ol>			
11. HW - Stringer #3 is hollow	4		
12. FA - Stringer #2 is failed and rotate	ad $1/2$ " at bent $\#1$		
1		_	
Inspected By: J	oseph Holste, PE	Date Inspected:	12/12/201

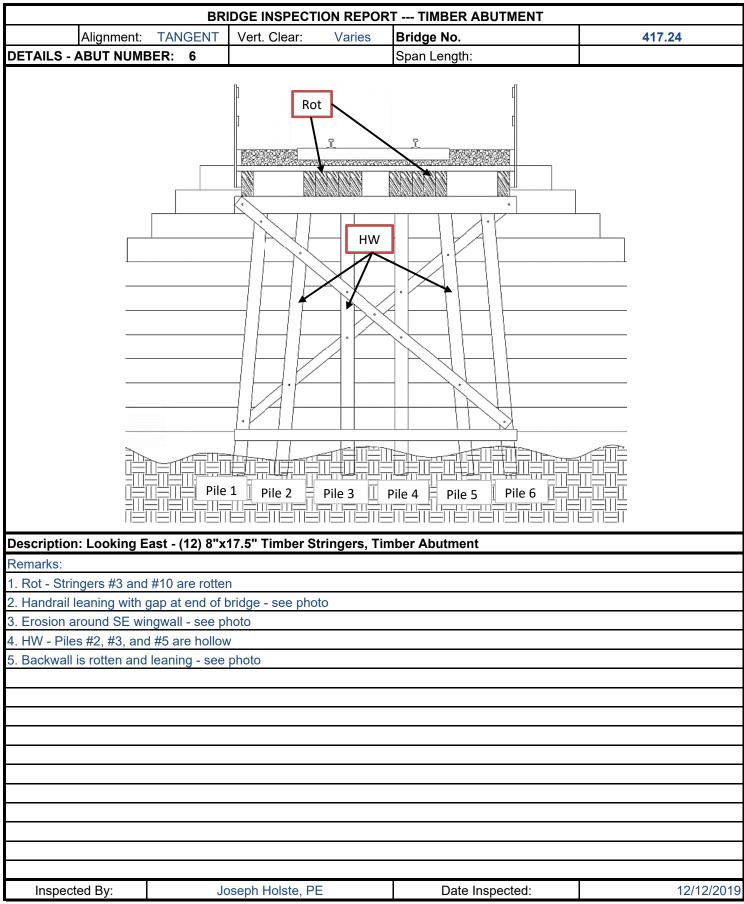














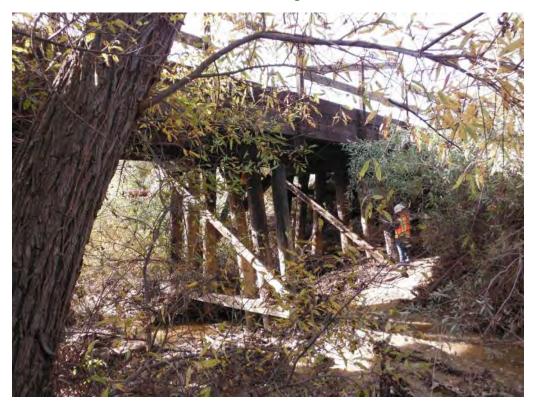
417.24 Looking East



417.24 Looking West



417.24 Looking North



417.24 Looking South



417.24 Channel Condition – Looking Upstream



417.24 Channel Condition – Looking Downstream



417.24 Southwest ballast retainer leaning – ballast leaking



417.24 Handrail mid-rail failed in two locations



417.24 Abutment 1 bulging and rotten bottom beam with ballast leaking



417.24 Stringer 3 failed, Span 1



417.24 Bent 2 cap split



417.24 Pile 2 split, Bent 2



417.24 Stringer 2 failed, Stringer 3 rotten with 3" hole depth, Span 3



417.24 Stringer 10 failed, Span 3



417.24 Span 3 sash brace covered in dirt and debris at bent 3



417.24 Scour hole between bent 3 & 4 – approximately 4'



417.24 Pier 4 cap split



417.24 Pier 5 cap split



417.24 Abutment 6 backwall rotten at bottom



417.24 Handrail leaning with gap at end of bridge



417.24 SE wingwall erosion





BRIDGE INSPECTION REPORT											
						INSPECTION TYPE: Annual					
				~~		INSPECTION INFORMATION					_
- <b>.</b> ,			FORMATI	ON	-						-
Milepost	417.96		-			Date	12-Dec-19				-
Location	Santa Paula Br				-		or Name		oseph Hols		-
	Santa Paula, CA				-	•	one Number		303-501-1		-
Stream	Overpass erating Speed: Freight: 10 mph Passenge				Other	Х	Company	/ <u> </u>	ilson & Co	mpany	-
	•				-						
DECK	Туре:		-			-	Condition Rating		5		
	RAIL	-		Type:		_ V	isual Condition	Rating:	3		
				over structu							-
	TIES	Type:	Timber	_ Tie	Conditio	n Rating:	5	_			
		Notes:									_
	<b>BALLAST</b>	Depth:	12"	Ballast	Conditio	n Rating:	5	_			
		Notes:									_
	DECK PLANKS	Type:	Timber	_	Conditio	n Rating:	5	Notes:			
	<u>OTHER</u>	Type:			Conditio	n Rating:					_
SUPERS ⁻	TRUCTURE										
	Visual Condition	n Rating	5								
	Туре:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Lr	ngth.		-	Concrete		Steel		-
		Bridge:	Steel	0		-	Timber	15'-2"	Concrete		-
		Type:	Truss			-	eck Girder		Through		-
		51	Trestle			-	_		Girder		
			Num Spai	าร		1	Approx. S	Span Lei		14'-0"	-
		Notes:			ast Deck				.9		-
				2000							-
SUBSTR											
CODON	Visual Condition	n Rating		5							
	Bent:	5		Туре			- Notes	5			
	Abutment:		5	Туре	St	one	- Notes		Abut #1 8	#2	-
	Wingwalls:		5	_туре	-	one	-				-
	Embank		0	_Type		0110	- Notes				-
	Footing			_туре Туре			Notes				-
	Inaccessible ar			туре				°			-
		eas.									-
STREAM		n Datina	-								
	Visual Condition Stream Depth	n Rating	5 Scour Evi	dence			Moving Water		no		
	Notes			uence					ΠŪ		-
											-
											-
OVERAL	L RATING										
	High Priority		Medium F	Prioritv			Low Priority		Х		
	J		•	.,							





		GE INSPECT	ION REPORT -	TIMBER ST	RUCTUR	E	
Spans:	1	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	417.96
No. of Tks:	1	Deck Type:	Ballast	Br. Over:		ge Overall Length:	15'-2"
ENVIRONMENT		STRINGERS			B08 Sas		N/A
E01 Scour	5	S01 Stringers		5	B09 Lon		N/A
E02 Channel	5	•	S02 Line Bolts			D Long Brace	N/A
E03 Approach	3		S03 Bearing @ Cap		B11 Shi		N/A
DECK		BENTS	<u> </u>		MISC. C	THER	
D01 Ties (OD only)	N/A	B01 West Ab	utment	5	M01		
D02 Ties Spacers	N/A	B02 East Abu	ıtment	5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A	M04		
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	0	verall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	N/A	1	-	
			COMMENT	s			
Reference				Remark			
Handrail	No handrail			INCIIIdIN			
Tidildidi	No Handran						
	1						
		MAINTEN	ANCE RECON	IMENDATION	S		
Priority				Description	-		
D03	Replace rail a	is tonnage dict	tates	Description			
E03		cross structure					
LUS	Level track at						
	1						
					1		
	CONDI	TION RATING	i			PRIORITY	
1. Failed (may requ	ire bridge out o	of service)			A. Im	mediately	
2. Deficient: OK for o	perations, but	requires Flagn	nan/Inspector fo	or all trains	B. Wi	thin 1 year	
until repaired.		2	-		C. Wi	thin 3 years	
3. Satisfactory but wi	th exceptions:	Slow order m	ay be required.			thin 5 years	
4. Worker Safety: iter						thin 10 years	
5. Good with minor e			, 0.01/			onitor, Condition ma	v change 8
							iy change a
<ol> <li>New Bridge</li> <li>Not inspected: Re</li> </ol>	ason stated				- ra	se priority	
			a a a a b l l - l - t		-	Data Inana -tl.	10/10/001
Inspected	а ву:	J	oseph Holste, F	Έ		Date Inspected:	12/12/201



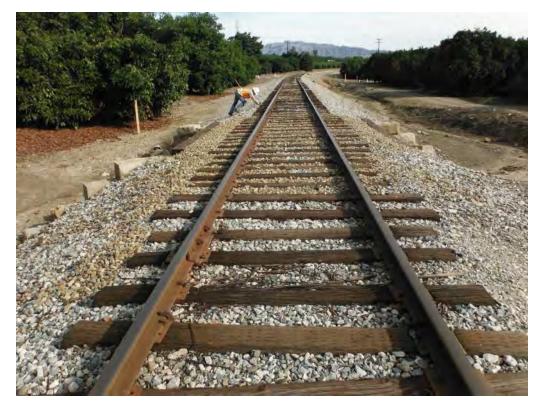


	BRIDGE INSPECTION REPORT STONE ABUTMENT										
Span:	1 Alignment:	TANGENT	Vert. Clear:	1.5'	Bridge No.		417.96				
DETAIL	S - ABUT NUMI	BER: 1			Span Length:		14'-0"				
Descrip	tion: Looking V	Vest - (10) 8"x	16.5" Timber Sti	ngers, S	tone Abutment						
Insp	pected By:	Jo	oseph Holste, PE		Date Inspected:		12/12/2019				

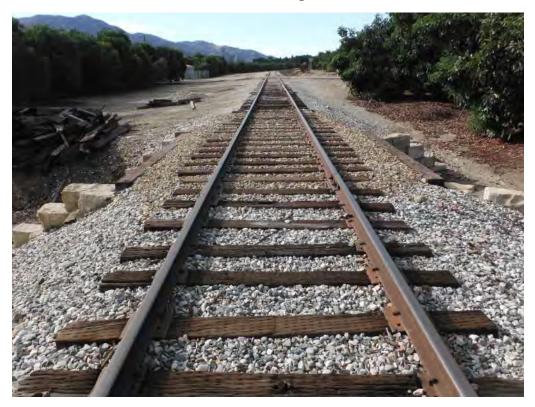




	BRIDGE INSPECTION REPORT STONE ABUTMENT									
Span:	Alignment:		GENT	Vert. Clear:	1.5'	Bridge N	0.	417.96		
DETAILS	- ABUT NUM	BER:	2			Span Len	igth:			
Remarks:	on: Looking E	:ast - (	10) 8 X	16.5" Timber St	lingers, Sto	ne Abutm	lent			
1 IS Loo	ose stone in w	ingwal		hoto						
1. L3 - L00		ingwai	i - see p	noto						
	atad Dur		1 -	work Halata DE			into Inonactodi	40/40/0040		
inspe	cted By:		JC	seph Holste, PE		L D	ate Inspected:	12/12/2019		



417.96 Looking East



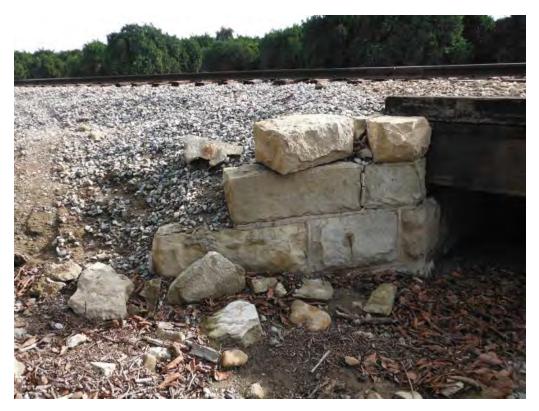
417.96 Looking West



417.96 Looking North



417.96 Looking South



417.96 Loose block in wingwall – Abutment 2





				BRIDGE IN	ISPECTIO	ON REPO	DRT				
						INS	SPECTION TYP	E:	An	nual	
	STRU		IFORMATI	2N		INSPECTION INFORMATION					
Milepost	418.02				_	Date	12-Dec-19			0 a.m.	-
Location	Santa Paula Br	anch Line	-				or Name		oseph Hols		_
Location	Santa Paula, C				_	-	ne Number		303-501-1		_
Stream	Santa Faula, O	~	Overpass		_ Other	Х			/ilson & Co		_
	erating Speed:	Freight [.]			_		Compan	y <u>v</u>		прапу	_
DECK	Type:	-	Number of		1. 13 mpn 1	Visual C	ondition Rating		5		
DEOR	RAIL	Weight:	-	Туре:	Jointed	-	isual Condition			-	
		Notes:		_ rype. baches are		- v		rtaung.	0	-	
	TIES	Type:	Timber		e Conditio	n Ratina:	3				-
	1123	Notes:	2 bad ties	-	Condition	r rtaung.	5	_			
	BALLAST	Depth:	12"		t Conditio	n Ratina:	5				_
	DALLAGI	Notes:		king east e		•		_			
	DECK PLANKS		Timber	ining case of			5	Notes:			_
	OTHER	Туре:		-	Conditio	-					_
		Type.				r raung.		_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Type:	-	Number ba	arrels		Roi	und or Rect		Size		
	.)po:	ourrort	Approx Ln			-	Concrete		Steel		_
		Bridge:	Steel	gun		-	Timber	15'	Concrete		_
		Type:	Truss			-	eck Girder	10	Through		_
		rype.	Trestle						Girder		
			Num Spar			1	Approx. S	Snanle		14'-0"	_
		Notes:	Nulli Opai		llast deck		-		iigiiis	14-0	_
		Notes.		Da			Colle				_
SUBSTR	UCTURE										
SUBSIN	Visual Conditio	n Rating		5							
	Bent:			Туре			- Notes	5			
	Abutment:		5	Type	St	one					_
	Wingwalls:		5	_Type		one					_
	Embank		0	_Type		0110	Notes				_
	Footing			_Type			-				
	Inaccessible ar	eas.		_ Type							_
		000.									_
OTDEAM											
SIREAM	I CHANNEL Visual Conditio	n Rating	3								
	Stream Depth	maang	Scour Evi	dence	Y	es	Moving Water		None		
	Notes	2' scour a					tream and dowr	stream			_
			our issues							·	_
OVERAL	L RATING										
	High Priority		Medium P	riority			Low Priority		Х	_	
			-				_			-	





			ON REPORT	- TIMBER ST	RUCTURE					
Spans:	1	Alignment:	Curve	Vert. Clear:	8'	Bridge No.	418.02			
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	15'			
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A			
E01 Scour	5	S01 Stringers		5	B09 Long Brace		N/A			
E02 Channel	3	S02 Line Bolt	S02 Line Bolts		B10 Cap I	_ong Brace	N/A			
E03 Approach	3	S03 Bearing (	S03 Bearing @ Cap		B11 Shim	S	N/A			
DECK		BENTS			MISC. OT	HER				
D01 Ties (OD only)	N/A	B01 West Bad	B01 West Backwall 5			M01 West Wingwall				
D02 Ties Spacers	N/A	B02 East Bac	kwall	5	M02 East Wingwall		3			
D03 Rail	3	B03 Caps		5	M03					
D04 Ballast Floor	3	B04 Piles		N/A	M04					
D05 Ballast Retainer	5	B05 Framed B	Bents	N/A						
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	5			
D07 Handrail	N/A	B07 Cross Br	aces	N/A						
COMMENTS										
Reference				Remark						
Handrail	No handrail									
Stringers	· · · · ·	Stringers #5, 6, 7 crushing (1/4") @ abutment 2 - see photo								
Deck	Multiple decl	k planks showin	g signs of rot ar	nd multiple hol	es - see ph	oto				
<b>D</b> · · ·		MAINTEN	ANCE RECOM		S					
Priority	<u>Clear</u> debrie	fuere un el en le vie		Description						
E02, B		from under brid	<u> </u>							
E03, B D03		aches both end	s ction as tonnage	o diototoo						
M02, B/C			prevent ballast l							
D04, B		ed deck planks		055						
D04, D	Replace faile									
	1									
	COND	ITION RATING				PRIORITY				
1. Failed (may requ					A. Imme	ediately				
2. Deficient: OK for	<u> </u>	/	nan/Inspector fo	or all trains		in 1 year				
until repaired.		. 0	•			in 3 years				
3. Satisfactory but w	vith exceptions	: Slow order ma	ay be required.		1	in 5 years				
4. Worker Safety: ite					1	in 10 years				
5. Good with minor of	exceptions				M. Mon	itor, Condition may	/ change &			
6. New Bridge						e priority				
7. Not inspected: R	eason stated									
	ed By:		oseph Holste, F		Da	ite Inspected:	12/12/2019			





BRIDGE INSPECTION REPORT STONE ABUTMENT									
Span: 1 Alignment:	CURVE	Vert. Clear: 8'	Bridge No.	418.02					
DETAILS - ABUT NUM	BER: 1		Span Length:	14'					
۲ ۲		Rot							
Description: Looking V Remarks:	Vest - (12) 7.5	"x17" TimberStringer	s, Abutment #1 is stone						
1. HW - Stringer 12 sour	nds hollow Sn	litting horizontally for fu	III length						
2. Deb - Debris on sill pl	ate		m longui.						
3. Moisture on sill due to	o fouled ballast	and backwall holding	noisture						
4. Rot - Multiple deck pla									
		signe er fet and manipr							
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/12/2019					





	BR	IDGE INSPECTION REI	PORT STONE ABUTMENT	
Span: Alignment:	CURVE	Vert. Clear: 8'	Bridge No.	418.02
DETAILS - ABUT NUM	BER: 2		Span Length:	
Description: Looking I	East - Abutme	nt #2 is stone		
Remarks:				
		r, extend retainer and ad	d ballast (see photo)	
2. Stringers 5, 6, 7 crus				
3. Moisture on sill due to	o fouled ballas	and backwall holding m	oisture	
	-			
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/12/2019



418.02 Looking East



418.02 Looking West



418.02 Looking North



418.02 Looking South



418.02 Low shoulder ballast at SE approach



418.02 Debris and moisture on sill plate



418.02 Deck planks showing signs of rot and multiple holes



418.02 Stringers #5, 6, 7 crushing at Abutment 2





BRIDGE INSPECTION REPORT											
						INSPECTION TYPE: Annual					
		CIUREIN	IFORMATI	ON	-	INSPECTION INFORMATION			1		
Milepost	419.42		-			Date	12-Dec-19				
Location	Santa Paula Br				-	-	or Name		oseph Holst		
	Santa Paula, C				_	Telepho	ne Number		303-501-12		
	X (Unknown	/			Other		Company	/	Wilson &	Company	
	erating Speed:				: 15 mph						
DECK	Туре:	Ballast	Number o	f Tks	1	Visual C	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	3		
		Notes:	Low appro	oaches east	and west						
	<u>TIES</u>	Type:	Timber	Tie	Condition	n Rating:	5	_			
		Notes:									
	<b>BALLAST</b>	Depth:	12 in	Ballast	Conditio	n Rating:	3				
		Notes:	Fouled ba	llast and low	/ ballast						
	DECK PLANKS	Type:	N/A		Conditio	n Rating:		Notes:			
	OTHER	Туре:			Conditio						
		<b>,</b>			-	Ũ		_			
SUPERS [*]	TRUCTURE										
	Visual Conditio	n Rating	5								
	Type:	-	Number b	arrels		Ro	und or Rect		Size		
	Type.	Ourvert.	Approx Lr			-	Concrete		Steel		
		Bridge:	Steel	igui.		-	Timber		Concrete	30'	
		Type:	Truss			D	eck Girder		Through	50	
		rype.	Trestle			. D	eck Gilder		Girder		
						1	Approx. S	hon Lo		30'	
		Natas	Num Spai				- ··	pan Lei	nguns _	30	
		Notes:		Concrete	ad elquoc	ox girder	- built 1969		-		
SUBSTR		n Doting		F							
	Visual Conditio	n Raung		5			-				
	Bent:		<b>F</b>	_Туре			Notes				
	Abutment:		5	_Туре 	Con	crete	-	Steel p			
	Wingwalls:			_Туре 							
	Embank			_Туре			- Notes				
	Footing			Туре			- Notes				
	Inaccessible ar	eas:									
STREAM	CHANNEL										
	Visual Conditio	•	3	_							
	Stream Depth	0	Scour Evi			es	Moving Water		no		
	Notes	Channel	is degradin	ig. 3' of stee	el pile cur	rently exp	posed				
OVERAL				) ui a uite <i>e</i>					V		
	High Priority		Medium F	riority			Low Priority		Х		

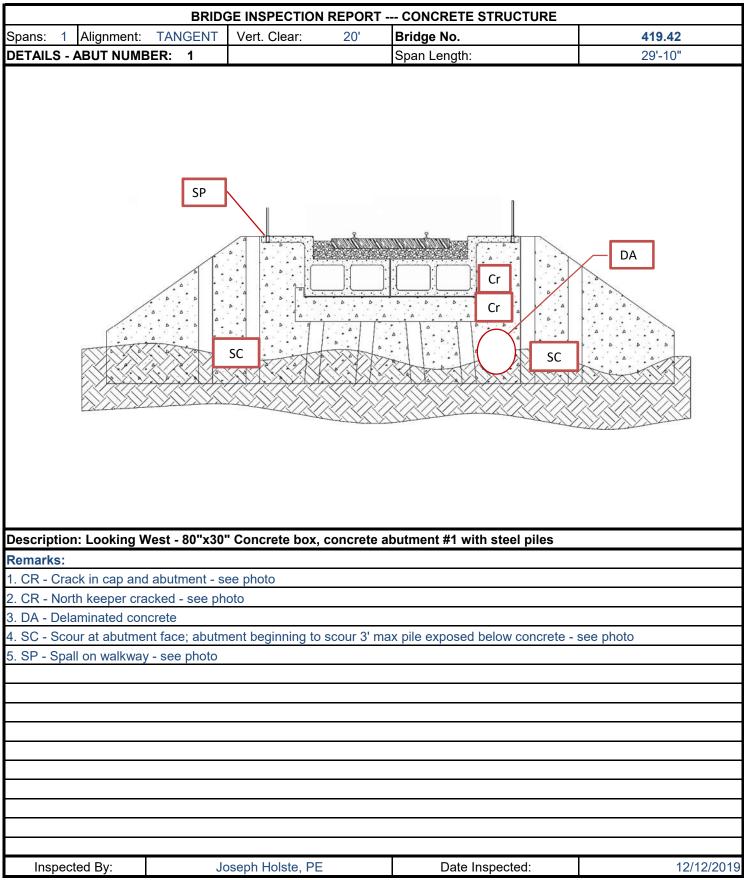




	BRIDO	JE INSPECTIO	N REPORT	CONCRETE S	STRUCTL	JRE			
Spans:	1	Alignment:	Tangent	Vert. Clear:	20'	Bridge No.	419.42		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	30'		
ENVIRONMENT		GIRDERS			A06 Pie	r Shaft	N/A		
E01 Scour	3	S01 Girder		5	A07 Piles		5		
E02 Channel	3	S02 Bearings	S02 Bearings		A08				
E03 Approach	3	ABUTMENTS & PIERS			A09				
DECK		A01 East Abutment 3		3	MISC. C				
D01 Rail	3	A02 East Wingwalls 5		5	M01				
D02 Footwalk	5	A03 West Abutment 3		3	M02				
D03 Handrail	3	A04 West Wi	ngwalls	5	M03				
D04		A05 Pier Cap	0	N/A	M04				
D05									
					0	verall Rating:	4		
			COMMEN	rs					
Reference				Remark					
Structure	Underside w	alkway spall on	south side und	der 2nd post fro	om the we	est - see photo			
Walkway	Handrail cab	le is loose on b	oth sides of bri	dge					
Utility	Utilities cross	Jtilities crossing parallel 50' south							
•									
		MAINTEN		MENDATION	IS				
Priority		MAINTEN			IS				
Priority	Remove ove			MENDATION Description	IS				
A		rhead vegetatio	on		IS				
A E01, E02, B/C, M	Repair scour	erhead vegetation r and protect bo	on		IS				
A E01, E02, B/C, M E03, B	Repair scour Raise approa	erhead vegetation r and protect bo aches	on th abutments		IS				
A E01, E02, B/C, M E03, B D01	Repair scour Raise approa Replace rail	erhead vegetation r and protect bo aches as needed to m	on th abutments		IS				
A E01, E02, B/C, M E03, B D01 D03, A	Repair scour Raise appro- Replace rail Repair hand	erhead vegetation r and protect bo aches as needed to m rail both sides	on th abutments		IS				
A E01, E02, B/C, M E03, B D01 D03, A A01, A03	Repair scoul Raise approving Replace rail Repair hand See note ab	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01	on th abutments natch tonnage	Description					
A E01, E02, B/C, M E03, B D01 D03, A	Repair scoul Raise approving Replace rail Repair hand See note ab	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01	on th abutments natch tonnage	Description		ondition worsens			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03	Repair scoul Raise approv Replace rail Repair hand See note ab Crack in Abu	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap.	on th abutments natch tonnage Monitor conditi	Description					
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M	Repair scour Raise approv Replace rail Repair hand See note abu Crack in Abu	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap.	on th abutments natch tonnage Monitor conditi	Description	riority if co	PRIORITY			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may requ	Repair scoul Raise approving Replace rail Repair hand See note about Crack in Abuut COND	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service )	on th abutments natch tonnage Monitor conditi	Description	riority if co	PRIORITY mediately			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may requ 2. Deficient: OK for	Repair scoul Raise approving Replace rail Repair hand See note about Crack in Abuut COND	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service )	on th abutments natch tonnage Monitor conditi	Description	riority if co A. Im B. Wi	PRIORITY mediately thin 1 year			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may required) 2. Deficient: OK for a until repaired.	Repair scoul Raise approving Replace rail Repair hand See note about Crack in Abut Crack in Abut Crack in Abut COND Unite bridge out operations, but	erhead vegetation r and protect boo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagn	on oth abutments natch tonnage Monitor conditi	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi	PRIORITY mediately thin 1 year thin 3 years			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may required) 2. Deficient: OK for until repaired. 3. Satisfactory but w	Repair scoul Raise approvious Replace rail Repair hand See note about Crack in Abuut Crack in Abuut Crack in Abuut Crack in Abuut COND Uthe bridge out operations, buut	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagm	on th abutments natch tonnage Monitor conditi nan/Inspector for ay be required.	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi D. Wi	PRIORITY mediately thin 1 year thin 3 years thin 5 years			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may required) 2. Deficient: OK for a until repaired.	Repair scoul Raise approvious Replace rail Repair hand See note about Crack in Abuut Crack in Abuut Crack in Abuut Crack in Abuut COND Uthe bridge out operations, buut	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagm	on th abutments natch tonnage Monitor conditi nan/Inspector for ay be required.	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi D. Wi	PRIORITY mediately thin 1 year thin 3 years			
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may required) 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Repair scoul Raise approvious Replace rail Repair hand See note about Crack in Abuut COND Unite bridge out operations, bur with exceptions ems such as (	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagm	on th abutments natch tonnage Monitor conditi nan/Inspector for ay be required.	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi D. Wi E. Wi	PRIORITY mediately thin 1 year thin 3 years thin 5 years	change &		
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may required) 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor	Repair scoul Raise approvious Replace rail Repair hand See note about Crack in Abuut COND Unite bridge out operations, bur with exceptions ems such as (	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagm	on th abutments natch tonnage Monitor conditi nan/Inspector for ay be required.	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi D. Wi E. Wi	PRIORITY mediately thin 1 year thin 3 years thin 5 years thin 10 years onitor, Condition may	change &		
A E01, E02, B/C, M E03, B D01 D03, A A01, A03 A03, M 1. Failed (may requ 2. Deficient: OK for until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Repair scoul Raise approvious Replace rail Repair hand See note about Crack in Abut Crack in Abut Crack in Abut Conno COND uire bridge out operations, but vith exceptions ems such as (1 exceptions	erhead vegetation r and protect bo aches as needed to m rail both sides ove - E01 utment #1 cap. ITION RATING of service ) t requires Flagm	on th abutments natch tonnage Monitor conditi nan/Inspector for ay be required.	Description on and raise p or all trains	riority if co A. Im B. Wi C. Wi D. Wi E. Wi	PRIORITY mediately thin 1 year thin 3 years thin 5 years thin 10 years	change &		

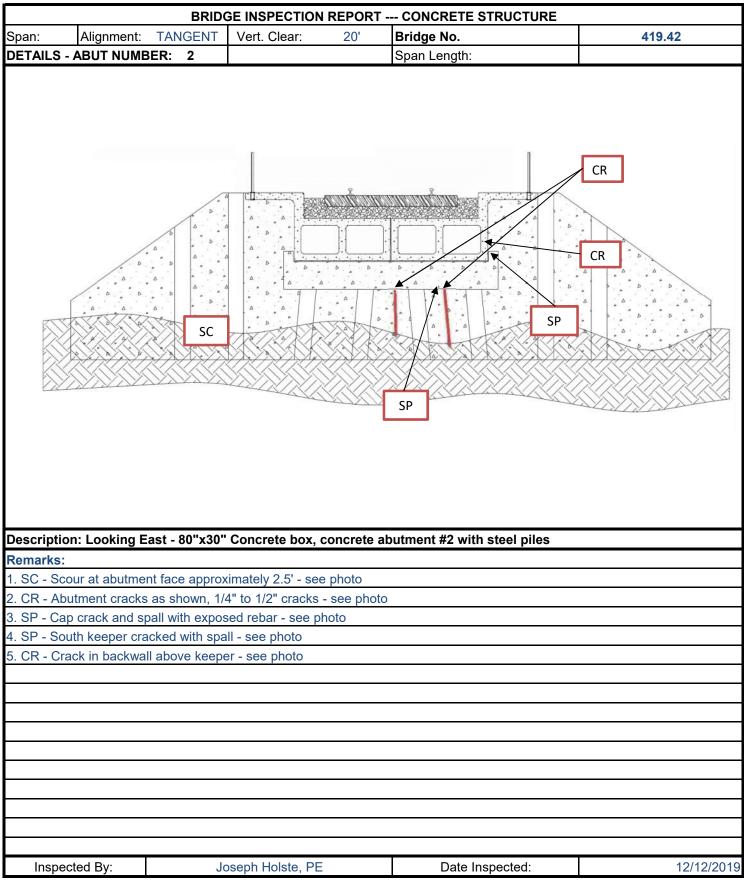














419.42 Looking East



419.42 Looking West



419.42 Looking North



419.42 Looking South



419.42 Channel Condition - Looking Upstream



419.42 Channel Condition – Looking Downstream



419.42 Abutment 1 crack and keeper block cracked – North edge of cap



419.42 Scour - Abutment 1



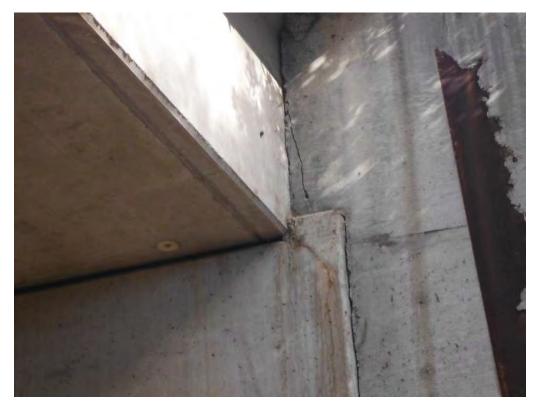
419.42 Spall on South walkway



419.42 Cracking and spall with exposed rebar - Abutment 2



419.42 Scour - Abutment 2



419.42 Crack in backwall, and crack and spall on south keeper – Abutment 2





BRIDGE INSPECTION REPORT											
						IN	SPECTION TYP	E:	Ann	ual	
	STRUCTURE INFORMATION										
		CIUREIN	IFORMATI	ON	-		INSPECTIO				ı
Milepost	419.92		-			Date	12-Dec-19				
Location	Santa Paula Br	anch Line			-	•	or Name		oseph Holst		
	Fillmore, CA				_	Telepho	one Number		303-501-12		
	X (Unknown	,			Other		Company	/	Wilson &	Company	
	erating Speed:	-			: 15 mph						
DECK	Туре:		Number o		1	Visual (	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	<u>،</u> ۱	/isual Condition	Rating:	3		
		Notes:	Low appro	baches east	and west	, sectior	n loss at rail top				
	<u>TIES</u>	Type:	Timber	Tie	Conditio	n Rating	5	_			
		Notes:									
	<b>BALLAST</b>	Depth:	14 in	Ballast	Conditio	n Rating	: 3	_			
		Notes:	Hole in ea	ist and west	ballast n	ear east	and west approa	ach			
	DECK PLANKS	Type:	Timber		Conditio	n Rating	: 5	Notes:			
	<u>OTHER</u>	Type:			Conditio	n Rating	:				
					_						
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	-	Number b	arrels		Ro	ound or Rect		Size		
	51		Approx Lr			•	Concrete		Steel		•
		Bridge:	Steel			•	Timber	90'	Concrete		
		Туре:	Truss			С	eck Girder		Through		
			Trestle			•			Girder		
			Num Spa	าร		6	Approx. S	Span Lei		15'	
		Notes:	riani opa		Ballast De	-		pan Lo		10	
		110100.							-		
SUBSTR											
SODOTIN	Visual Conditio	n Rating		3							
	Bent:		3	Туре	Tin	nber	– Notes	5			
	Abutment:		3	_ Type		hber	– Notes				
	Wingwalls:		0	 Type		1001	-	, <u> </u>			
	Embank			_туре Туре			Notes				
	Footing			 Type			Notes	-			
	Inaccessible ar	eas.		_ 1 ) p c							
		000.									
SIREAM	CHANNEL Visual Conditio	n Pating	3								
	Stream Depth		3 Scour Evi	dence	V	es	Moving Water		no		
	Notes	_			-		of pile indicated	and 20			
											·
OVERAL	L RATING										
	High Priority		Medium F	Priority		x	Low Priority				
	<b>C</b>		-	2							

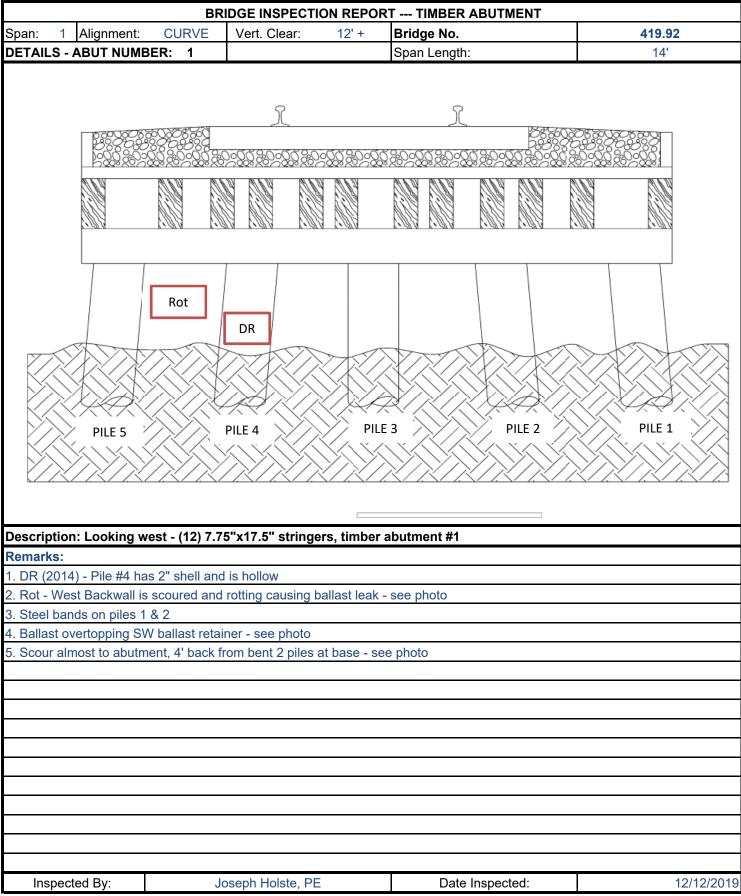




	BRI	DGE INSPECT	<b>ON REPORT</b> -	TIMBER ST	RUCTURE					
Spans:	6	Alignment:	Curve	Vert. Clear:	20' +	Bridge No.	419.92			
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	90'			
ENVIRONMENT		STRINGERS			B08 Sash	Brace	3			
E01 Scour	3	S01 Stringers	S01 Stringers		B09 Long Brace		3			
E02 Channel	3	S02 Line Bolts		5 N/A	B10 Cap Long Brace		N/A			
E03 Approach	3		S03 Bearing @ Cap 5			s	5			
DECK		BENTS				HER				
D01 Ties (OD only)	N/A	B01 West Ab				M01				
D02 Ties Spacers	N/A	B02 East Abu	B02 East Abutment 5							
D03 Rail	3	B03 Caps		5	M03					
D04 Ballast Floor	3	B04 Piles		5	M04					
D05 Ballast Retainer	3	B05 Framed B	Bents	N/A						
D06 Footwalk	N/A	B06 Posts		N/A	Ove	erall Rating:	3			
D07 Handrail	N/A	B07 Cross Br	aces	3						
			COMMENT							
Reference				Remark						
Utilities	Petroleum ut	ility runs under	around on right		o track at 5	i0'				
Handrail	No handrail	Petroleum utility runs underground on right side, parallel to track at 50'								
Backwall		No handrall West backwall undermined and rotten - see photo								
Rail		West backwall undermined and rotten - see photo Dump northeast approach - see photo								
		MAINTEN								
Priority		MAINTENANCE RECOMMENDATIONS								
E01, E02, A	Protect Abut									
E03, B	Protect Abutment #1 from further scour									
L00, D		ment #1 from fu aches both end		IMENDATION Description	<u>s</u>					
B07 to B09, B	Raise approa		S	Description	<u>S</u>					
	Raise approa	aches both end	s broken bracinę	Description	<u>S</u>					
B07 to B09, B	Raise approa	aches both end sing, rotted and in ballast near	s broken bracinę	Description	<u>S</u>					
B07 to B09, B D04, B	Raise approa Replace mis Repair holes Replace bac	aches both end sing, rotted and in ballast near	s broken bracing abutment 1	Description	<u>S</u>					
B07 to B09, B D04, B B01, B/C	Raise approa Replace mis Repair holes Replace bac Replace rail	aches both end sing, rotted and in ballast near kwall planks	s broken bracing abutment 1 atch tonnage	Description	<u>S</u>					
B07 to B09, B D04, B B01, B/C D03	Raise approa Replace mis Repair holes Replace bac Replace rail	aches both end sing, rotted and in ballast near kwall planks as needed to m	s broken bracing abutment 1 atch tonnage	Description	<u>S</u>					
B07 to B09, B D04, B B01, B/C D03	Raise approa Replace mis Repair holes Replace bac Replace rail Increase hei	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla	s broken bracing abutment 1 atch tonnage	Description	<u>s</u>	PRIORITY				
B07 to B09, B D04, B B01, B/C D03 D05, B/C	Raise approa Replace mis Repair holes Replace bac Replace rail Increase hei	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING	s broken bracing abutment 1 atch tonnage	Description		PRIORITY				
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req	Raise approa Replace mis Repair holes Replace bac Replace rail Increase hei COND uire bridge out	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service )	s broken bracing abutment 1 atch tonnage st retainer to ho	Description	A. Imm	ediately				
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for	Raise approa Replace mis Repair holes Replace bac Replace rail Increase hei COND uire bridge out	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service )	s broken bracing abutment 1 atch tonnage st retainer to ho	Description	A. Imm B. With	ediately in 1 year				
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for until repaired.	Raise approv Replace mis Replace bac Replace cail Increase heis COND uire bridge out operations, but	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service ) t requires Flagn	s broken bracing abutment 1 atch tonnage st retainer to ho nan/Inspector fo	Description	A. Imm B. With C. With	ediately in 1 year in 3 years				
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v	Raise approv Replace mis Repair holes Replace bac Replace rail Increase hei <b>COND</b> uire bridge out operations, but	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service ) t requires Flagn	s broken bracing abutment 1 atch tonnage st retainer to ho nan/Inspector fo	Description	A. Imm B. With C. With D. With	ediately in 1 year in 3 years in 5 years				
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite	Raise approv Replace mis Replace bac Replace bac Replace crail Increase hei <b>COND</b> uire bridge out operations, but vith exceptions ems such as (1	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service ) t requires Flagn	s broken bracing abutment 1 atch tonnage st retainer to ho nan/Inspector fo	Description	A. Imm B. With C. With D. With E. With	ediately in 1 year in 3 years in 5 years in 10 years	change &			
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite 5. Good with minor	Raise approv Replace mis Replace bac Replace bac Replace crail Increase hei <b>COND</b> uire bridge out operations, but vith exceptions ems such as (1	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service ) t requires Flagn	s broken bracing abutment 1 atch tonnage st retainer to ho nan/Inspector fo	Description	A. Imm B. With C. With D. With E. With M. Mon	ediately in 1 year in 3 years in 5 years in 10 years iitor, Condition may	change &			
B07 to B09, B D04, B B01, B/C D03 D05, B/C 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite	Raise approv Replace mis Replace bac Replace bac Replace rail Increase hei <b>COND</b> uire bridge out operations, but vith exceptions ems such as (1 exceptions	aches both end sing, rotted and in ballast near kwall planks as needed to m ght of SW balla ITION RATING of service ) t requires Flagn	s broken bracing abutment 1 atch tonnage st retainer to ho nan/Inspector fo	Description	A. Imm B. With C. With D. With E. With M. Mon	ediately in 1 year in 3 years in 5 years in 10 years	change &			

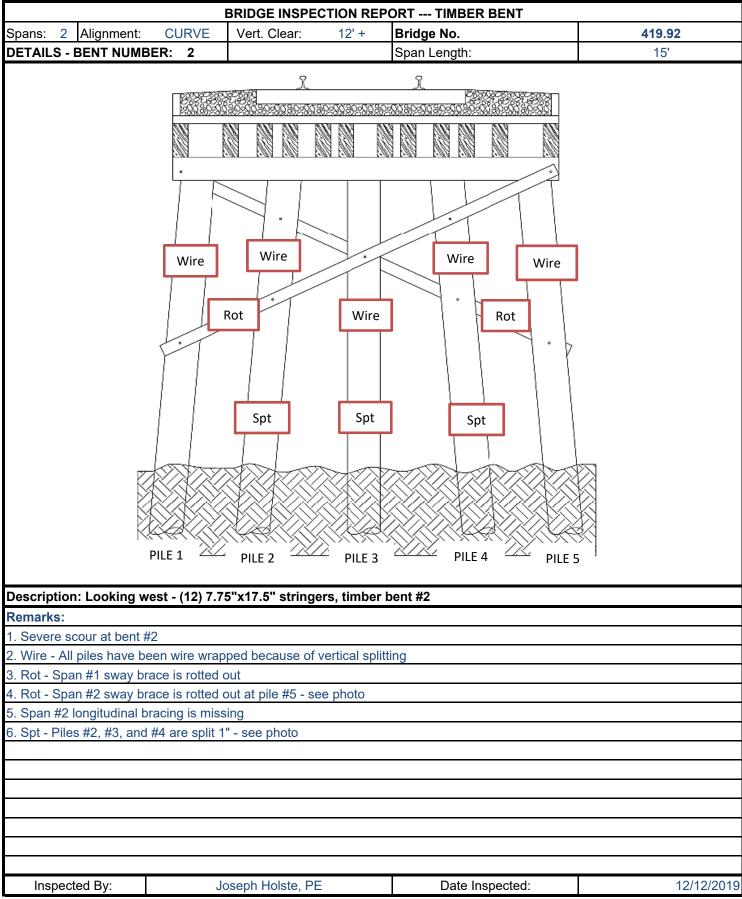
















BRIDGE INSPECTION REPORT TIMBER BENT										
Span: 3 Aligi	nment: C	URVE	Vert. Clear: 12' +	Bridge No.	419.92					
DETAILS - BENT	NUMBER:	3		Span Length:	15'					
		PILI		Wire Wire Wire HW						
	oking west -	(12) 7.7	5"x17.5" stringers, timbe	er bent #3						
Remarks:		4								
1. All piles are wi			vertical splits							
2. HW - Piles 4 &	5 sound noi	IOW								
Inspected By	<i>y</i> :	J	oseph Holste, PE	Date Inspected:	12/12/2019					





WAINEINE/SOBDIVISION.		TION REPORT TIMBER BENT	•
Span: 4 Alignment: C	URVE Vert. Clear:	12' + Bridge No.	419.92
	Wire Wire Wire Wire Wire Wire Wire	Span Length:	15'
Description: Looking west Remarks:	(12) 1.15 X11.5 Stillgers		
1. Wire - Piles #1, #2, #3 and	#5 wire wrapped to arrest v	vertical splitting	
2. HW - Pile #2 and #5 sound		op	
3. Stringer 4 split at ends of r		over to bolt holes - see photo	
4. Hole - Span 4 hole beginni			
5. Scour 5' from Bent 5 - see			
Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019
		Bate moportou.	

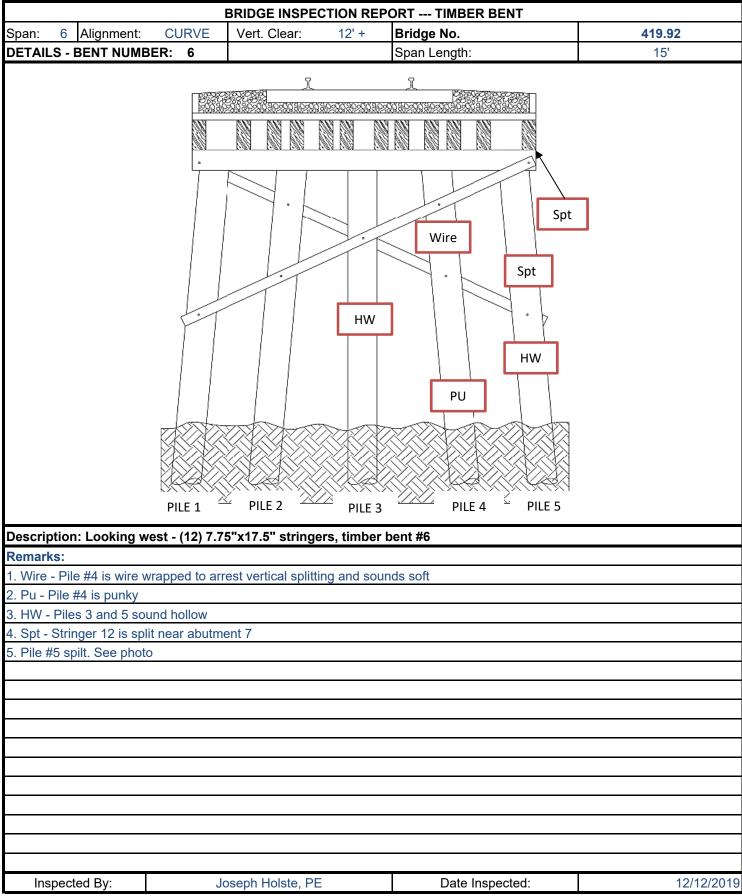




BRIDGE INSPECTION REPORT TIMBER BENT									
Span: 5 Alignment:	CURVE	Vert. Clear: 12' +	Bridge No.	419.92					
DETAILS - BENT NUM	BER: 5		Span Length:	15'					
	Wi Spl PILE 1			LE 5					
Remarks:	west - (12) /	75"x17.5" stringers, timb							
	4 are wire wr	apped due to vertical splitt	ina						
2. Spl - Pile #1 is split									
3. Stringers 4, 7, 9, 10 s	plit at repair	location							
-									
Inspected By:		Joseph Holste, PE	Date Inspected:	12/12/2019					

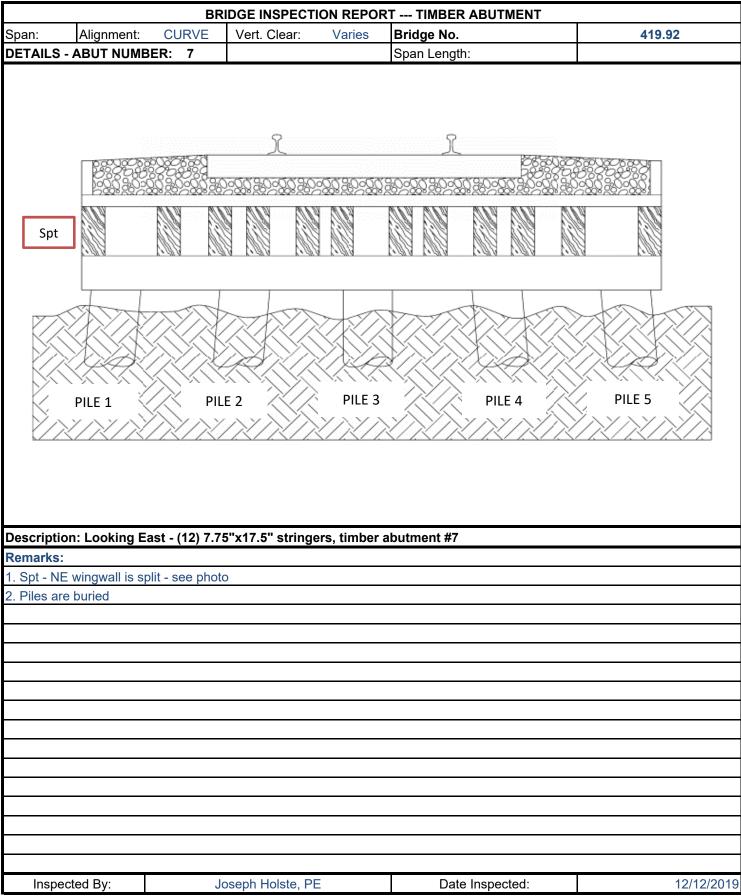






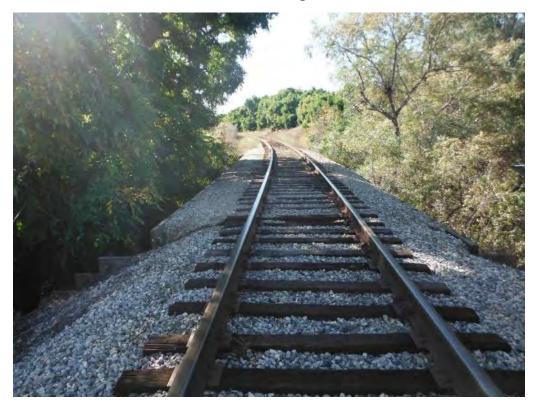








419.92 Looking East



419.92 Looking West



419.92 Looking North



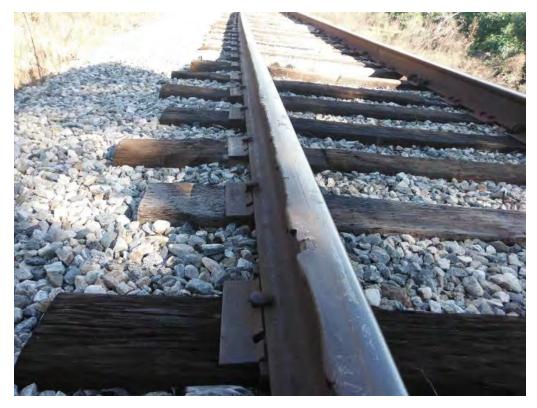
419.92 Looking South



419.92 Channel Condition – Looking Upstream



419.92 Channel Condition - Looking Downstream



419.92 Rail section loss – east and west sides and along length of bridge



419.92 Holes in ballast near abutment 1 & 7



419.92 Rail Dump Northeast approach



419.92 Ballast overtopping SW ballast retainer



419.92 Abutment 1 back wall scour



419.92 Typical location of channel bank by Abutment 1



419.92 Sway bracing rotten - Bent 2



419.92 Piles #2, #3, and #4 are split 1" - Bent 2



419.92 Stringer 4 split at ends of repair locations - Bent 4



419.92 Hole beginning in deck between stringer 6 and 7 - Span 4



419.92 Scour 5' from Bent 5



419.92 Pile #5 is Split, Bent 6



419.92 NE Wingwall is Split





BRIDGE INSPECTION REPORT										
						INS	SPECTION TYP	PE:	Annu	lal
	STRUCTURE INFORMATION									
		JCTURE	INFORMA	ION	-		INSPECTIC			
Milepost	420.20		-			Date			1:25	
Location	Santa Paula B	ranch Lir	ne		_		or Name		oseph Holste	
	Fillmore, CA				_	Telepho	one Number		303-501-12	
Stream				x (Dudley Rd			Compan	у	Wilson & (	Company
	erating Speed:									
DECK	Туре:		-				Condition Rating		3	
	RAIL	Weight:	132#	Туре:	Jointed	<u> </u>	isual Condition	Rating:	3	
		Notes:	East appro	ach is low						
	<u>TIES</u>	Type:	Timber	Tie	Condition	n Rating:	3			
		Notes:	Multiple are	e spilt and out	of alignn	nent				
	<b>BALLAST</b>	Depth:	12 in	Ballast	Conditio	n Rating:	3			
		Notes:	holes in ba	llast - east an	d west er	nds				
[	DECK PLANKS	Type:	Timber		Conditio	n Rating:	3	Notes:	Some failed	
	OTHER	Type:					:			
					-	-				
SUPERS ⁻	TRUCTURE									
	Visual Condition	on Ratino	3							
		-	Number ba	urrels		Ro	und or Rect		Size	
	1300.	ourrort.	Approx Lng			-	Concrete		Steel	
		Bridge:		jui.		-	Timber	60'	Concrete	
		-	Truss			<u>.</u>	eck Girder		Through	
		rype.	Trestle			-			Girder	
				2		4	Approx. S	Spanla	·	15'
		Nataa	Num Span		st Deck T			эран се	iiguis	15
		Notes:		Dallas			estie		· <u> </u>	
SUBSTR		n Datina		F						
	Visual Conditio	on Rating		5	Tim	abar	-	-		
	Bent:		5	Туре т		nber	Note			
	Abutment:		5	Туре т	IIn	nber		s		
	Wingwalls:			Туре -			_ Note:	s		
	Embank			Туре						
	Footing			Туре			_ Note:	s		
	Inaccessible a	reas:								
STREAM	CHANNEL									
	Visual Condition	-								
	Stream Depth		Scour Evid	ence			_Moving Water			
	Notes									
OVERAL	L RATING									
	High Priority	X	Medium Pr	iority			Low Priority			

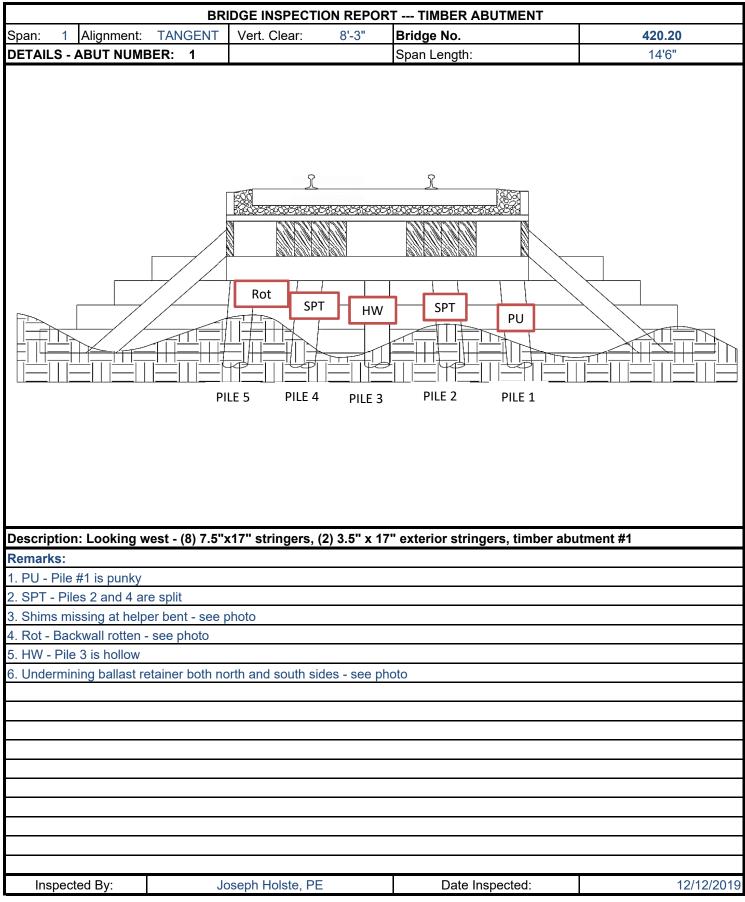




	BRII	DGE INSPECT	ION REPORT -	TIMBER ST	RUCTUR	E	
Spans:	4	Alignment:	Tangent	Vert. Clear:	8'-3"	Bridge No.	420.20
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Road	Overall Length:	60'
ENVIRONMENT		STRINGERS			B08 Sas	sh Brace	N/A
E01 Scour	N/A	S01 Stringers	S01 Stringers 3		B09 Long Brace		N/A
E02 Channel	N/A	S02 Line Bolt	s	N/A	B10 Ca	o Long Brace	N/A
E03 Approach	3	S03 Bearing (	@ Cap	3	B11 Shi		N/A
DECK		BENTS			MISC. C	DTHER	
D01 Ties (OD only)	N/A	B01 West Ab	B01 West Abutment 3				
D02 Ties Spacers	N/A	B02 East Abu	Itment	3	M02		
D03 Rail	5	B03 Caps		5	M03		
D04 Ballast Floor	3	B04 Piles		5	M04		
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	0 [.]	verall Rating:	3
D07 Handrail	N/A	B07 Cross Br	aces	3			
			COMMENT	S			
Reference				Remark			
Structure	Bridge has b	een burned, 1/4	4" charred				
Structure	Temporary b	ents under spa	ns 1, 2, 4				
Structure	Supplementa	al steel beam a	dded in span 3				
Utilities	Gas utilities	running under b	oridge along spa	an #2			
Handrail	No handrail						
Ballast Curb	Ballast curb rotted at NE end						
Ballast	Low ballast, wings undermined at east & west ends						
	-	MAINTEN	IANCE RECON		S		
Priority				Description			
S03, A	Shim tempor						
E03, B	Raise approa						
S01, B			ngers to replace	temporary be	nts		
D07, B	Add handrail						
D04, D05, B		st retainer and o	aeck planks				
B07, B/C	Repair sway						
B01, B02, C	Repair rotter	backwall					
		TION RATING				PRIORITY	
1. Failed (may requ			oon/Inonactor fo	r all trains		mediately	
2. Deficient: OK for a	operations, but	requires Flagh	nan/inspector fo	n an trains		thin 1 year	
until repaired.	ith avaantian-	Slow order	ov bo required		1	thin 3 years	
3. Satisfactory but with exceptions: Slow order may be required.     D. Within 5 years							
4. Worker Safety: items such as ( handrail, footwalk, etc.)       E. Within 10 years         5. Cood with minor executions       M. M. V.							
5. Good with minor exceptions M. Monitor, Condition may change							y cnange &
6. New Bridge - raise priority 7. Not inspected: Reason stated							
7. Not inspected: Reason stated       Inspected By:       Joseph Holste, PE       Date Inspected:       12/12/20							12/12/2019
inspecie	ч ву.	J	oseph noiste, F	L		Date Inspected:	12/12/201

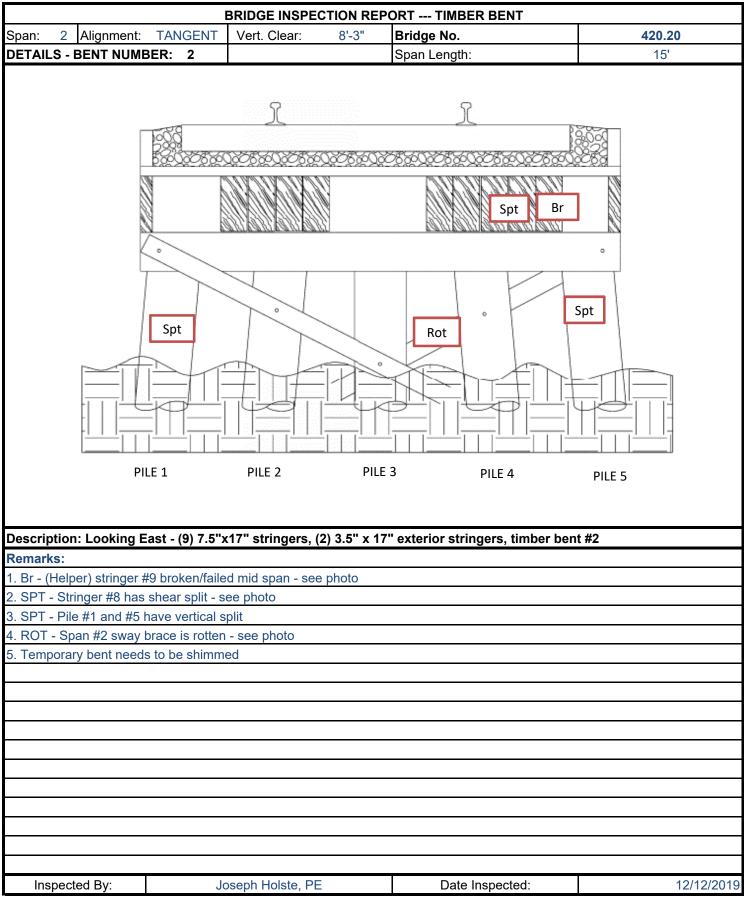






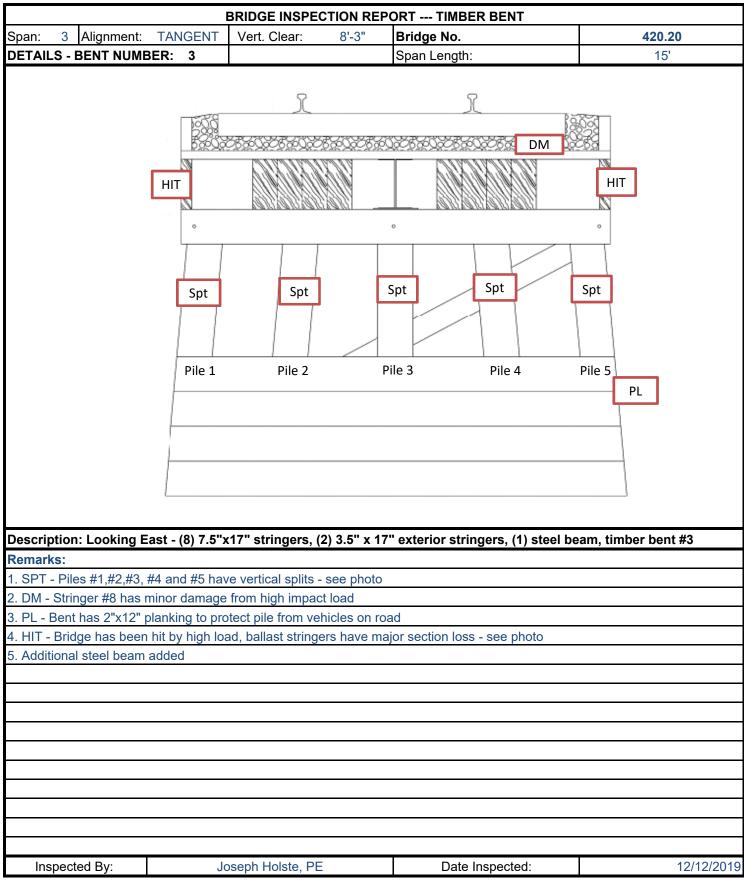






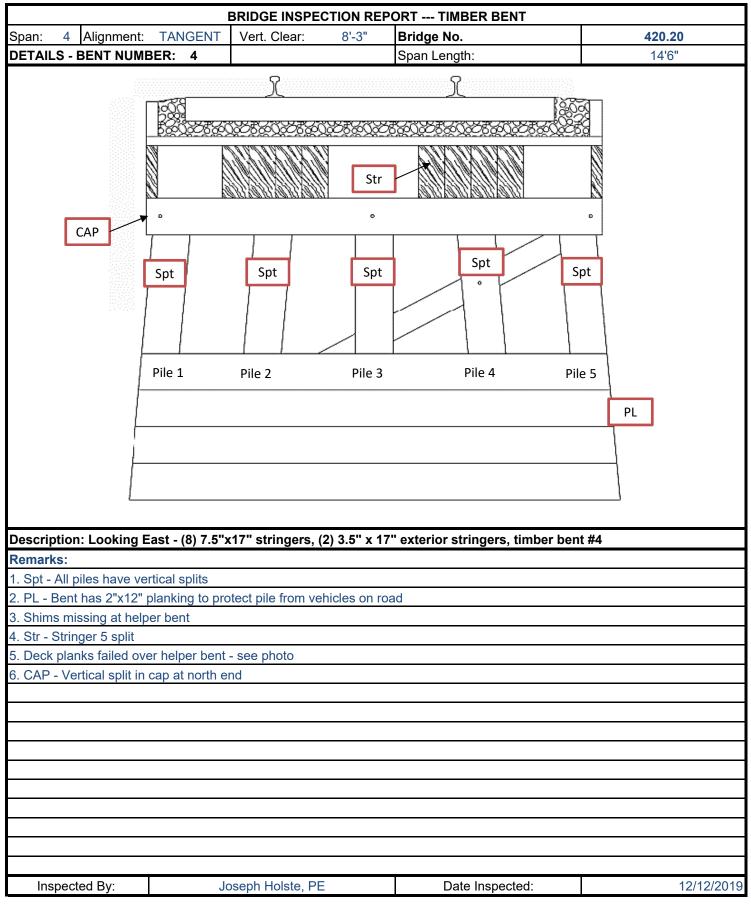






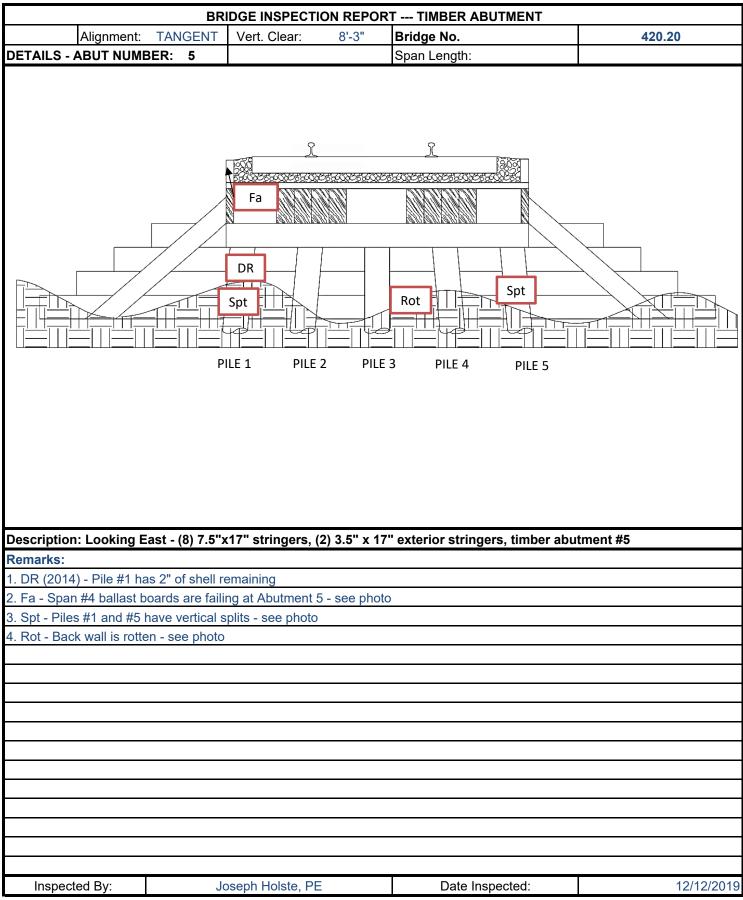














420.20 Looking East



420.20 Looking West



420.20 Looking North



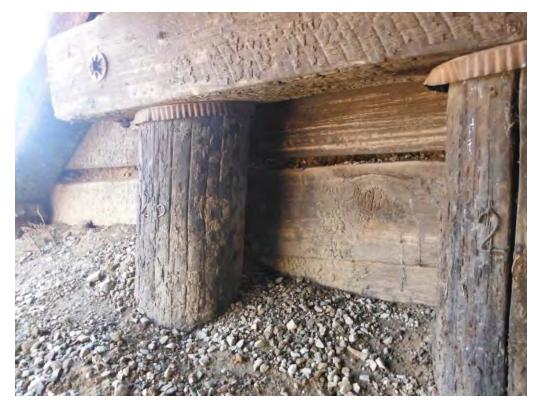
420.20 Looking South



420.20 Typical holes in ballast – east and west ends



420.20 Undermining ballast retainer – north and south sides



420.20 Abutment 1 rotten backwall



420.20 Gap between stringer and helper bent, typ.



420.20 Span 2 sway brace rotten



420.20 Stringer 8 shear split and Stringer 9 failed Span 2



420.20 Bent 2 Pile 5 Split



420.20 Span 2, Stringer 9 failed at helper bent



420.20 Exterior stringer failed due to impact - Span 3 typ



420.20 Impact Damage – Span 3



420.20 Bent 3 piles split



420.20 Failing Deck Plank – Span 4



420.20 Ballast boards failing at Abutment 5



420.20 Abutment 5 Pile 5 split



420.20 Abutment 5 rotten backwall





BRIDGE INSPECTION REPORT										
						INS	SPECTION TYP	E:	Annual	
	STRUCTURE INFORMATION						INSPECTION INFORMATION			
Milepost	420.46					Date	12-Dec-19		1:50 PM	
•	Santa Paula B	ranch Lir	- 1e				or Name		oseph Holste, PE	-
Loodion	Fillmore, CA		10			-	one Number		303-501-1215	-
Stream	x (unknown	creek)	Overnass		Other	relepite		-	Wilson & Company	-
	erating Speed:		-		ger: 15 mph		Company	y	wilson a company	
DECK		-	Number of		-		Condition Rating		5	
DLON	RAIL		80#		Jointed	-	isual Condition			
		-				-	, section loss ea	-	<u> </u>	
	TIES		Timber	vest appro		-		ist enu		-
	TIES	Type: Notes:	ППрег	-	Tie Conditio	n nauny.	5			
	DALLACT		13 in	Pa	lloot Conditio	n Doting:	F			-
	<u>BALLAST</u>	•	13 10	Da	Ilast Conditio	n Raung.	5	_		
		Notes:	Timbor		Conditio	n Doting	F	Notes:		-
<u> </u>	DECK PLANKS		Timber	-			5	_Notes:		-
	<u>OTHER</u>	Type:				n Raung.		_		
SUPERS	TRUCTURE									
	Visual Condition	on Ratino	1 5							
		-	Number ba	arrels		Ro	und or Rect		Size	
	Type.	Ourvert.	Approx Ln			-	Concrete		Steel	-
		Bridge:		gui.		-	Timber	90'	Concrete	-
		Type:	Truss			-	eck Girder		Through	-
		rype.	Trestle			_			Girder	
			Num Span			6	Approx. S	Spanlo		-
		Notos	-		bor trostlo wi	-	 mental steel bea	•		-
		NOLES.	Dallast	Deck IIII				1115		-
SUBSTR	UCTURE									
	Visual Condition	on Rating	1		3					
	Bent:		3	Туре	Tii	nber	- Notes	6		
	Abutment:		3	Туре	Tir	nber	-			
	Wingwalls:			Туре						-
	Embank			Туре			- Notes			-
	Footing			Туре			- Notes	s		-
	Inaccessible a	reas:					-			-
										-
STREAM	CHANNEL									
	Visual Condition	on Rating	3	_						
	Stream Depth					/es	Moving Water		no	_
	Notes	4'-5' Sco	our betweer	n bent 2 a	nd bent 3. 10	) ft of pile	embed remaini	ng.		-
										-
	L RATING									
	High Priority		Medium P	rioritv		x	Low Priority			

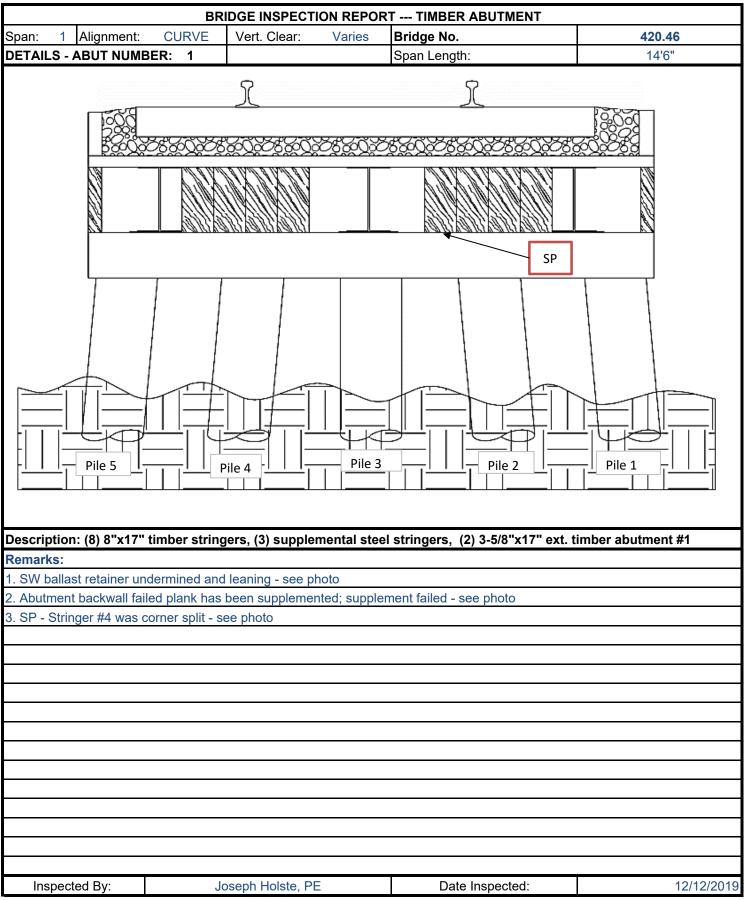




	BRID	GE INSPECT	ION REPORT	TIMBER ST	RUCTURE		
Spans:	6	Alignment:	Curve	Vert. Clear:	12' +-	Bridge No.	420.46
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	creek	Overall Length:	90'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	3
E01 Scour	3	S01 Stringers	5	5	B09 Long	Brace	N/A
E02 Channel	3	S02 Line Bolts N/A				N/A	
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim		N/A
DECK		BENTS			MISC. OTHER		
D01 Ties (OD only)	N/A	B01 West Abut	ment & Wingwalls	3	M01		
D02 Ties Spacers	N/A	B02 East Abutr	ment & Wingwalls	3	M02		
D03 Rail	3	B03 Caps		3	M03		
D04 Ballast Floor	3	B04 Piles		3	M04		
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Ονε	erall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	3			
			COMMENTS	3			
Reference				Remark			
Wingwall	Wingwall is fa	iling at west e	nd, right side, wi		d at east e	nd	
Walkway, Handrail	No walkway, i	-		0			
Utilities		llel to tracks a	t 50' south				
Structure		e replaced (20					
Ballast			der. Ballast retair	ner failed.			
		MAINTEN			S		
Priority				Description			
E03, B	Raise approa	ches					
D03	Replace rail w	/ith heavier se	ction as tonnage	dictates			
B01, B02, B/C	Repair abutm	ent ballast reta	ainer west end ar	nd add at eas	t end, Rep	lace west backwall	
B07, B08, B, M	Replace broke	en bent 2 swa	y brace, attach b	ent 4 brace			
D04, B		n deck planks					
E01, E02, B03, B04, M	Monitor, Cond	lition may cha	nge & raise prior	ity			
					1		
	CONDI	<b>FION RATING</b>	i			PRIORITY	
1. Failed (may require bridge out of service)						ediately	
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year							
until repaired.						in 3 years	
3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years							
4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years							
5. Good with minor exceptions M. Monitor, Condition may change &							y change &
6. New Bridge - raise priority							
7. Not inspected: Reason stated							
Inspected	l By:	J	oseph Holste, Pl		Da	ate Inspected:	12/12/2019







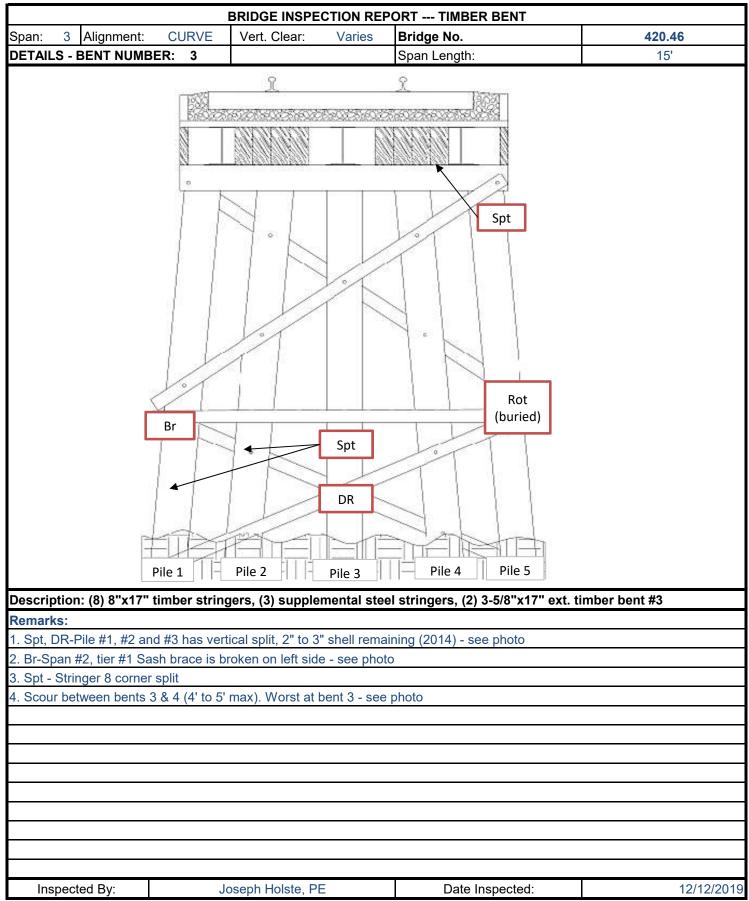




BRIDGE INSPECTION REPORT TIMBER BENT							
Span: 2 Alignment:	CURVE	Vert. Clear: Varies	Bridge No.	420.46			
DETAILS - BENT NUM	BER: 2		Span Length:	15'			
	Pile	Spt Spt Spt Spt Spt Spt Spt Spt					
	" timber string	jers, (3) supplemental stee	el stringers, (2) 3-5/8"x17" exte	rior timber bent #2			
Remarks:	owov broco io k	vrokon on couth oide at nile	#E acc photo				
2. Spt - Piles #1, #3, #4		proken on south side at pile					
2. Opt - 1 lies $\pi$ 1, $\pi$ 0, $\pi$ -							
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/12/2019			

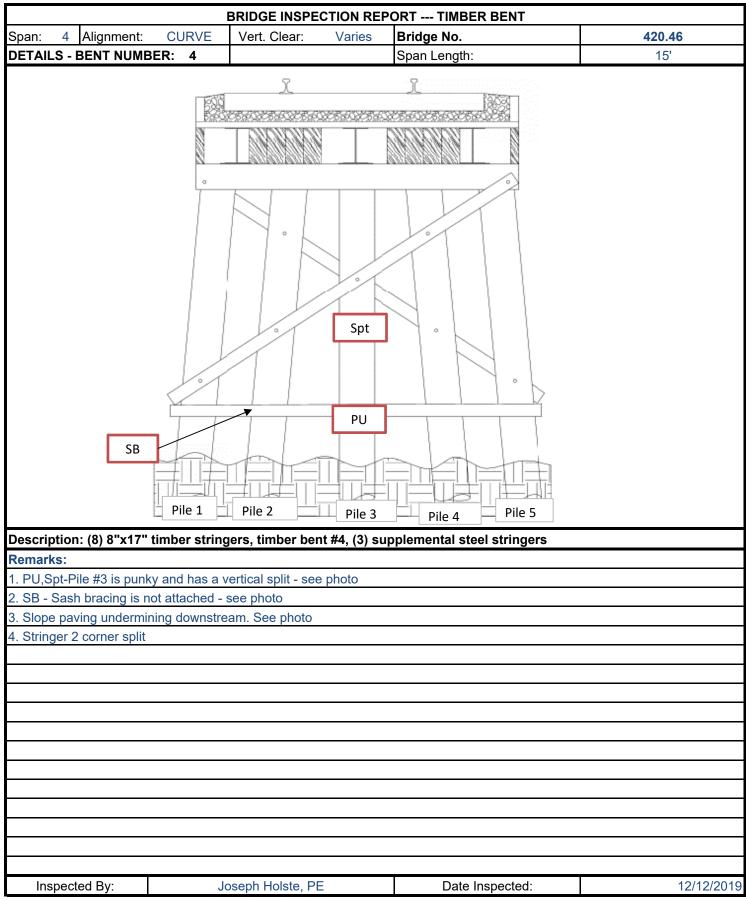






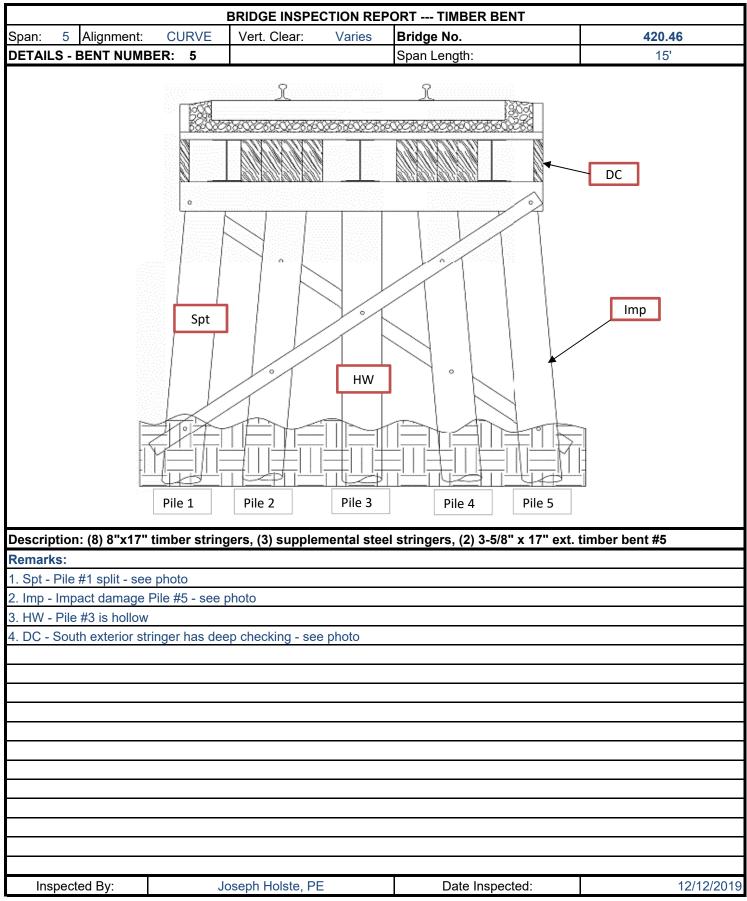






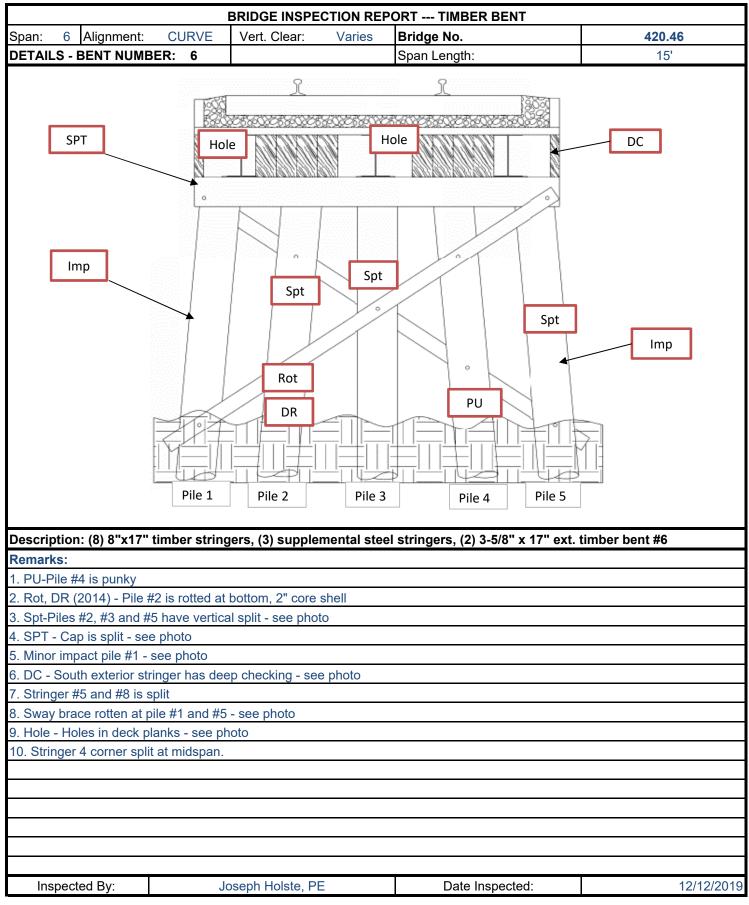
















BRIDGE INSPECTION REPORT TIMBER ABUTMENT							
Alignment:	CURVE	Vert. Clear: Varies	Bridge No.	420.46			
DETAILS - ABUT NUMB	BER: 7		Span Length:				
				Pile 5			
Description: (8) 8"x17"	timber strind	ers, (3) supplemental ste	el stringers, (2) 3-5/8" x 17" exte	erior timber abutment #7			
Remarks:							
1. Abutment 7 is buried -	see photo						
Inspected By:	Jc	oseph Holste, PE	Date Inspected:	12/12/2019			



420.46 Looking East



420.46 Looking West



420.46 Looking North



420.46 Looking South



420.46 Channel Condition – Looking Upstream



420.46 Channel Condition - Looking Downstream



420.46 Southwest wing failing



420.46 Abutment 1 backwall failed plank's supplement failed



420.46 Stringer 4 corner split, Abutment 1



420.46 Pile 3 split, Bent 2



420.46 Pile 5 split, Bent 2



420.46 Span 2, Bent 2 sway brace is broken on right side at pile 5



420.46 Span 2 & Bent 3, tier 1 sash brace is broken on left side



420.46 Pile 3 vertical split, Bent 3



420.46 Scour between Bent 3 and 4



420.46 Slope paving undermining downstream of Bent 4



420.46 Pile 3 is punky and has a vertical split, Bent 4



420.46 Diagonal sash bracing is not attached, Bent 4



420.46 Impact damage pile 5, Bent 5



420.46 Pile 1 vertical split, Bent 5



420.46 Holes in deck planks, Bent 6



420.46 Pile 1 minor impact, Bent 6



420.46 Pile 5 vertical split, Bent 6



420.46 Cap is split, Bent 6



420.46 Cross bracing rotten, Bent 6



420.46 Spans 5 and 6, south exterior stringer has deep checking



420.46 Abutment 7 is buried





BRIDGE INSPECTION REPORT											
						INS	SPECTION TYP	E:	An	nual	
	STRU	JCTURE	INFORMA	TION			INSPECTIC				
Milepost	421.05		_			Date	12-Dec-19	Time	2:25	p.m.	-
Location	Santa Paula B	ranch Lir	ne			Inspecto			oseph Hols		-
	Fillmore, CA					Telepho	ne Number		303-501-1	215	
	x (unknown	/					Company	y	Wilson &	& Company	
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph						
DECK	Туре:	Ballast	Number of	Tks	1	Visual C	ondition Rating		3	_	
	RAIL	Weight:	80#	Туре:	Jointed	V	isual Condition	Rating:	3	_	
		Notes:	East and w	vest approa	ches are lov	N.				-	
	<u>TIES</u>	Type:	Timber	Т	ie Conditio	n Rating:	3				
			Poor Cond			-		_			
	BALLAST	Depth:	11 in	Balla	ast Conditio	n Rating:	5				
		Notes:		•		U		_			
	DECK PLANKS		Timber		Conditio	n Rating:	5	Notes:			
-	OTHER	Туре:		Ē							
	<u> </u>	. )						—			
SUPERS	TRUCTURE										
	Visual Condition	on Ratino	5								
		-	Number ba	arrole		Ro	und or Rect		Size		
	Type.					-	Concrete		Steel		
			Approx Lng	gui.		-	Timber	30'			-
		Bridge:				-		- 50	-		
		Type:	Truss			-	eck Girder		Through		
			Trestle						Girder	4.51	
			Num Span				Approx. S	span Le	ngtns	15'	
		Notes:		Ballast De	eck Timber	I restle -	Built 1897				
SUBSTR				0							
	Visual Conditio	on Rating		3		1	-				
	Bent:		5	Туре		nber	- Notes				
	Abutment:		3	Туре	con	crete					
	Wingwalls:			Туре							
	Embank			Туре			Notes	-			-
	Footing			Туре			Notes	S			
	Inaccessible a	reas:									
STREAM	I CHANNEL										
	Visual Condition	-									
	Stream Depth		Scour Evic		r	10	Moving Water		no		
	Notes	Channe	l is mostly s	ilted in							
OVERAL	L RATING										
	High Priority		Medium Pi	riority			Low Priority		Х	-	





MAINEINE/SOBDIVISI		GE INSPECT	ION REPORT	- TIMBER ST	RUCTUF	RE	
Spans:	2	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	421.05
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Cree		30'
ENVIRONMENT		STRINGERS			B08 Sa	sh Brace	N/A
E01 Scour	5	S01 Stringers		5	B09 Loi	ng Brace	N/A
E02 Channel	3	S02 Line Bolt		N/A	B10 Cap Long Brace N/A		
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shims N/A		
DECK		BENTS	<u> </u>		MISC. 0	DTHER	
D01 Ties (OD only)	N/A	B01 West Abut	tment & Wingwall	3	M01		
D02 Ties Spacers	N/A	B02 East Abuti	ment & Wingwall	3	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A	M04		
D05 Ballast Retainer	5	B05 Framed	Bents	5			
D06 Footwalk	N/A	B06 Posts		5	o	verall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	5			
			COMMENT	5			
Reference				Remark			
Utility	Utilities run pa	arallel to track	on right side at 5				
Utility		nning on and u					
Ballast Curb		indermined all					
Danaot Odib	Ballaot ourb a		1 00111010				
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
E03, B	Raise approa	ches both end	s				
D03			ection as tonnage	dictates			
B01, B02, B/C			ngwalls both end				
E02, B	Clean silt from		5				
, _							
	1						
			1		<u>.</u>	PRIORITY	
1. Failed (may requ						mediately	
2. Deficient: OK for o	operations, but	requires Flagr	nan/Inspector for	r all trains		ithin 1 year	
until repaired.		<u>.</u>			1	ithin 3 years	
3. Satisfactory but w					1	ithin 5 years	
4. Worker Safety: ite		andrail, footwa	alk, etc.)			ithin 10 years	
5. Good with minor e	exceptions					onitor, Condition mag	y change &
6. New Bridge					- ra	ise priority	
7. Not inspected: R							
Inspecte	d Bv:	J	loseph Holste, P	E		Date Inspected:	12/12/2019





BRIDGE INSPECTION REPORT TIMBER ABUTMENT									
Span: 1 Alignment:		Vert. Clear:	4'	Bridge No.	421.05				
DETAILS - ABUT NUMI	BER: 1			Span Length:	14' 6"				
Sp Sp Cr					Cr Sp				
Description: (12) 12"x1 Remarks:		ngers, concrete	abatment	πι					
1. Cr - Stringer retainer i	s cracked - see	e photo							
2. SPT - North deck sill s	spliting at curb	bolt - span #1 - s	ee photo						
3. Span 1 silting in - see		•							
4. SP - Both wingwalls s	palled								
Ŭ	•								
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/12/2019				

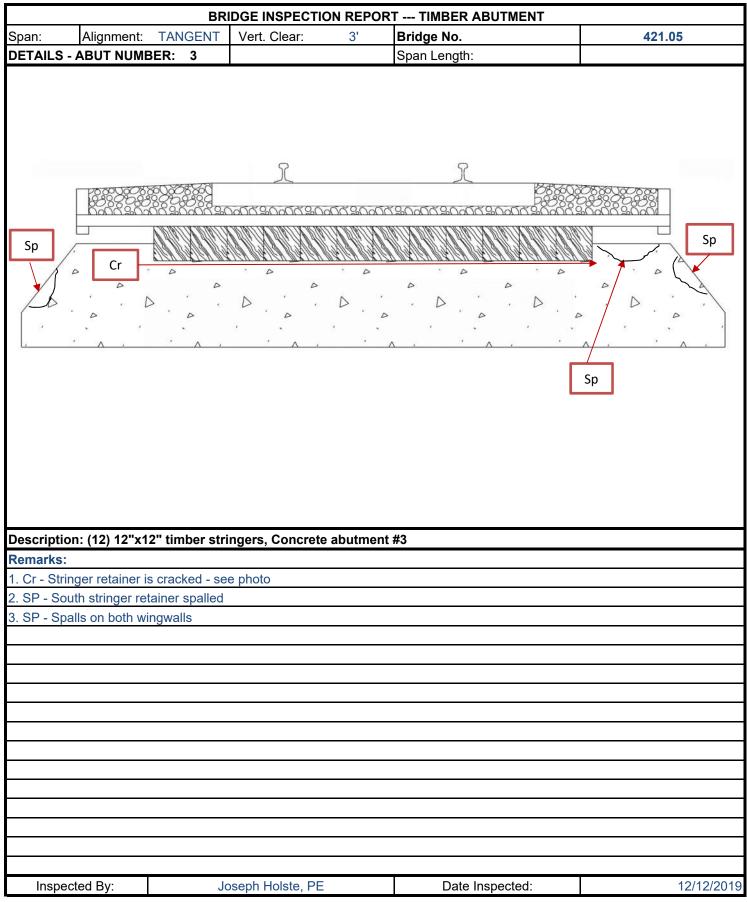




BRIDGE INSPECTION REPORT TIMBER BENT								
Span: 2 Alignment:	TANGENT	Vert. Clear: 3'	Bridge No.	421.05				
DETAILS - BENT NUM	BER: 2		Span Length:	14' 6"				
		2000 2000 2000       2000 2000 2000       2       Pile 3	Pile 4 Pile 5 Pile					
Remarks:		ngers, Timber framed ben	(#2					
	ile #1. punkv v	vith impact damage on north	face -see photo					
2. Deep checks bent #2								
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/12/2019				









421.05 Looking East



421.05 Looking West



421.05 Looking North



421.05 Looking South



421.05 Channel Condition – Looking Upstream



421.05 Channel Condition - Looking Downstream



421.05 Ballast Curb Undermined all 4 Corners



421.05 Abutment stringer retainer cracked – typical all 4 corners



421.05 Span 1 silting in



421.05 Deck sill splitting – Span 1



421.05 Vertical split in Pile 1 – Bent 2





BRIDGE INSPECTION REPORT										
						IN	SPECTION TYP	E: [	Annual	
	STRUCTURE INFORMATION				INSPECTION INFORMATION					
		JUTURE	INFORMA	HUN	-	-				
Milepost	421.23		-			Date	12-Dec-19			
Location	Santa Paula B	ranch Li	ne		_	•			oseph Holste, PE	
	Fillmore, CA				-	Telepho	one Number		303-501-1215	
Stream	x (draina		-		Other		Company		Wilson & Compar	ny
	erating Speed:									
DECK							Condition Rating	-	5	
	RAIL	-	80#		Jointed	-	/isual Condition I			
		Notes:	Approaches	are low. Dama	ged east r	ail. North	rail horiz misalign	1/2". No	rth rail 1" low across b	oridge.
	TIES	Type:	Timber	Tie	Condition	n Rating	: 3	_		
		Notes:								
	BALLAST	•	8 in			n Rating	3	_		
		Notes:	Hole in bal	last over pipe	S					
<u> </u>	DECK PLANKS	Type:	Timber		Condition	n Rating	5	Notes:		
	<u>OTHER</u>	Type:			Conditio	n Rating	:	_		
	TRUCTURE									
SUPERS		on Doting								
	Visual Conditio	-	-		2	De	und or Doot		Size	
	Туре:	Culvert:	Number ba		3		ound or Rect		Size	
		<b>D</b> : 1	Approx Ln	gth.		-	Concrete	201	Steel	
		Bridge:					Timber	30'	Concrete	
		Type:	Truss			-	eck Girder		Through	
			Trestle			Х			Girder	
			Num Span			2	Approx. S	pan Ler	ngths <u>15'</u>	
		Notes:		Ballast Decl	< Timber	Trestle -	Built 1897			
SUBSTR	UCTURE									
	Visual Condition	on Rating	9	5						
	Bent:	-	5	Туре	Tin	nber	 Notes			
	Abutment:		5	Туре		crete				
	Wingwalls:			Туре						
	Embank			Туре						
	Footing			Туре			– Notes			
	Inaccessible a	reas:					-			
STREAM	CHANNEL									
	Visual Condition	-								
	Stream Depth					10	Moving Water		no	
	Notes	Vegetat	ion needs to	be removed	at downs	tream er	nd			
OVERAL	L RATING									
	High Priority		Medium P	riority		х	Low Priority	_		
			-				_			

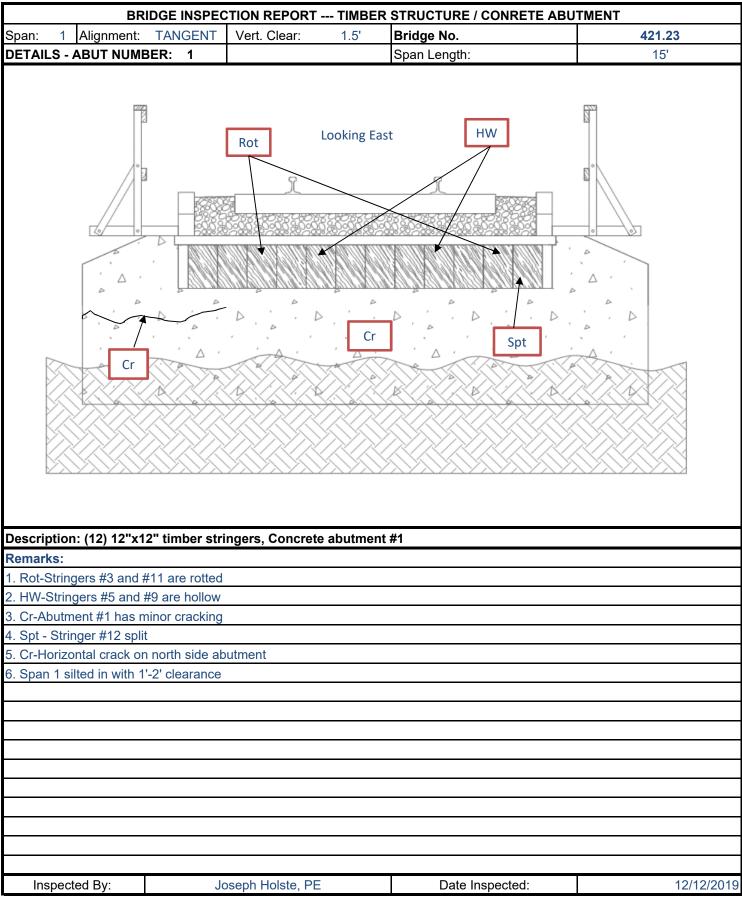




MAINEINE/SOBDIVISI		GE INSPECT	ION REPORT	- TIMBER ST	RUCTURE			
Spans:	4	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	421.23	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	60'	
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A	
E01 Scour	5	S01 Stringers	5	3	B09 Long	Brace	N/A	
E02 Channel	3	S02 Line Bolt	S	N/A	B10 Cap	Long Brace	N/A	
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim		N/A	
DECK		BENTS			MISC. OT	HER		
D01 Ties (OD only)	N/A	B01 West Back	wall & Wingwalls	5	M01			
D02 Ties Spacers	N/A	B02 East Back	wall & Wingwalls	5	M02			
D03 Rail	3	B03 Caps		5	M03			
D04 Ballast Floor	3	B04 Piles		N/A	M04			
D05 Ballast Retainer	3	B05 Framed I	Bents	5				
D06 Footwalk	4	B06 Posts		5	Ονε	erall Rating:	3	
D07 Handrail	4	B07 Cross Br	aces	5				
			COMMENTS	5				
Reference			·	Remark				
7	Last two spar	ns are covered	with concrete ar		spans 3 -	42" culverts were	added	
Walkway						e on both sides - s		
Walkway	South walkwa		'					
Utility	Pipe crossing	under bridge	on right side					
Ballast			fouled ballast - s	ee photo				
Handrail		North handrail post broken (3rd from west end)						
Channel		Debris covering pipe opening						
		MAINTEN		MENDATION	S			
Priority				Description				
E02, B	Clean channe	el downstream						
E03, B	Raise approa	ches both end	S					
D03	Replace rail v	vith heavier se	ction as tonnage	dictates				
D06, A	Repair walkw							
D07, A	Repair handr							
S01, B/C, M		•	#1 & #2 in 1 to 3	years. Monito	or if conditi	on worsens		
	and raise price							
D04, B	Increase balla	ast depth to 12	in minimum		T			
	CONDI	TION RATING	i			PRIORITY		
1. Failed (may requ	uire bridge out o	of service)			A. Imm	ediately		
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year								
until repaired.					C. With	in 3 years		
3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years								
4. Worker Safety: ite		andrail, footwa	alk, etc.)			in 10 years		
5. Good with minor e	exceptions				M. Mor	itor, Condition ma	y change &	
6. New Bridge					- rais	e priority		
7. Not inspected: R				_				
Inspecte	d By:	J	oseph Holste, P	E	Da	ate Inspected:	12/12/2019	

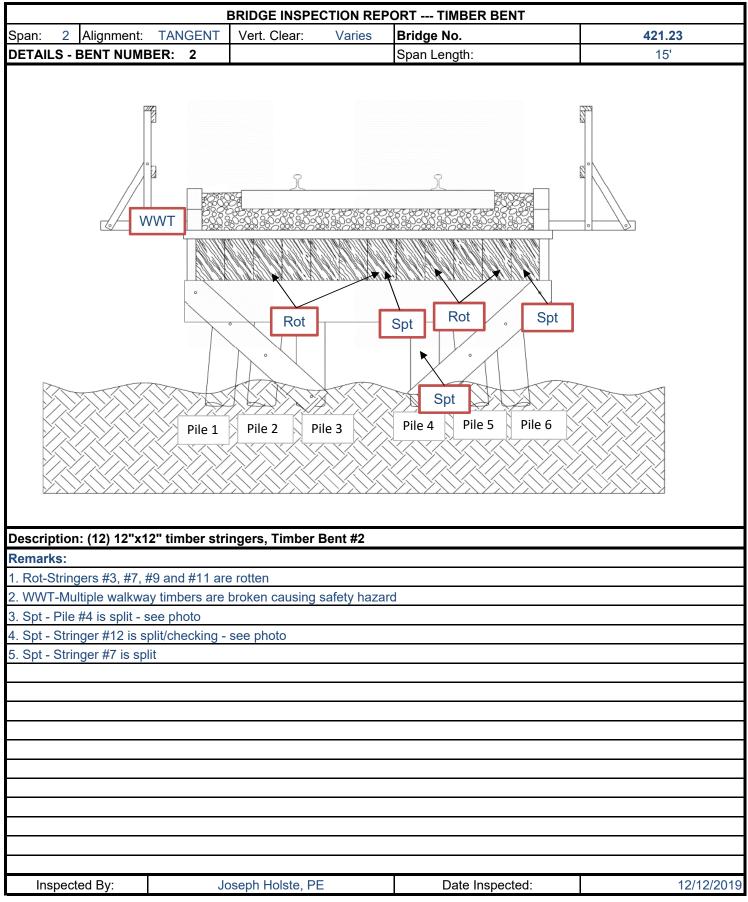






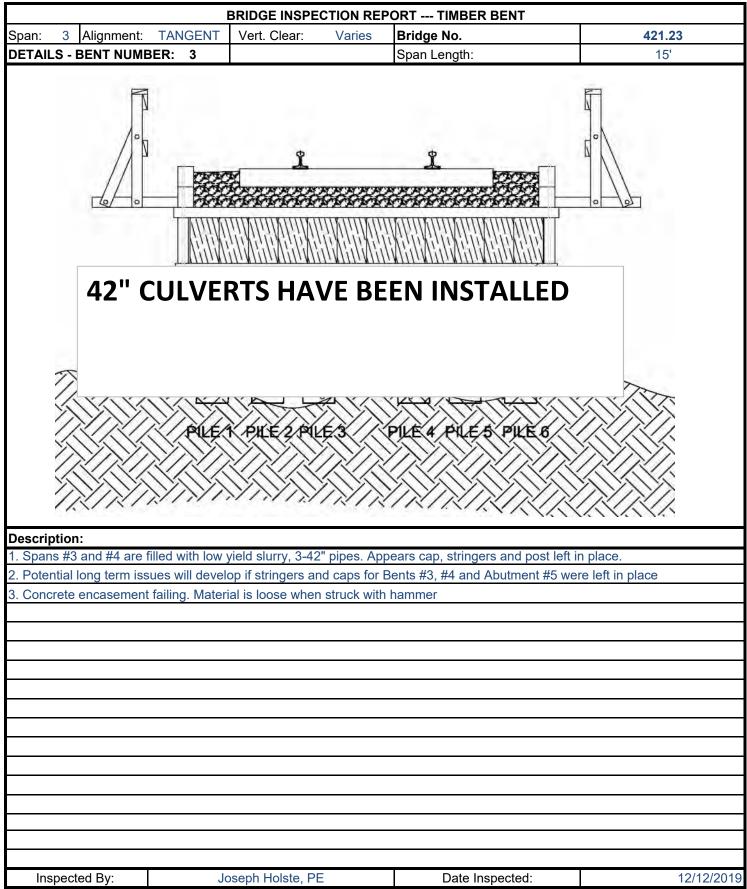






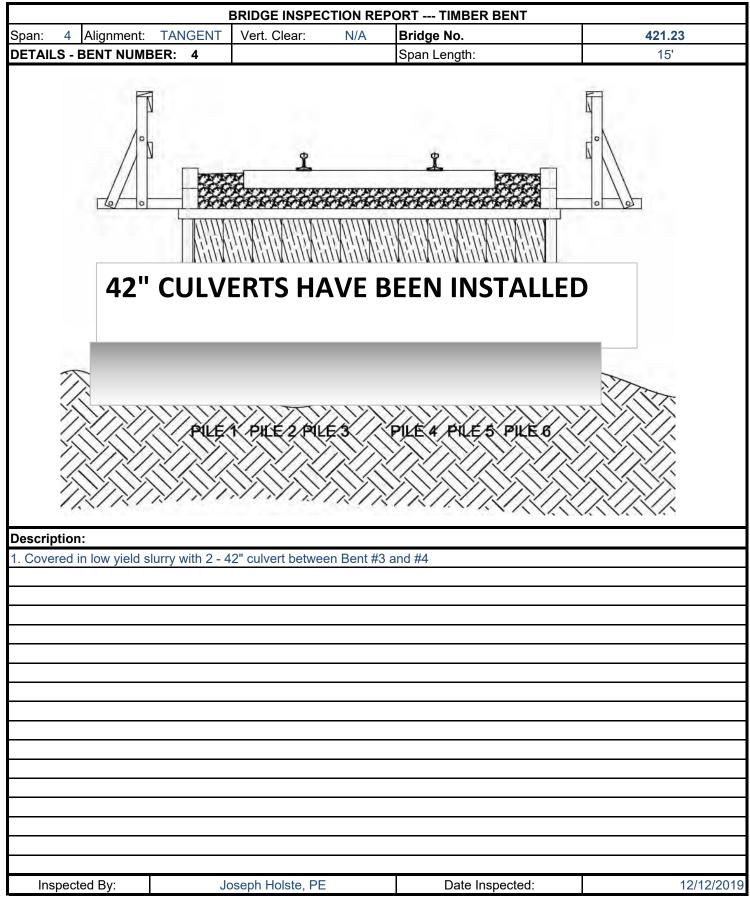






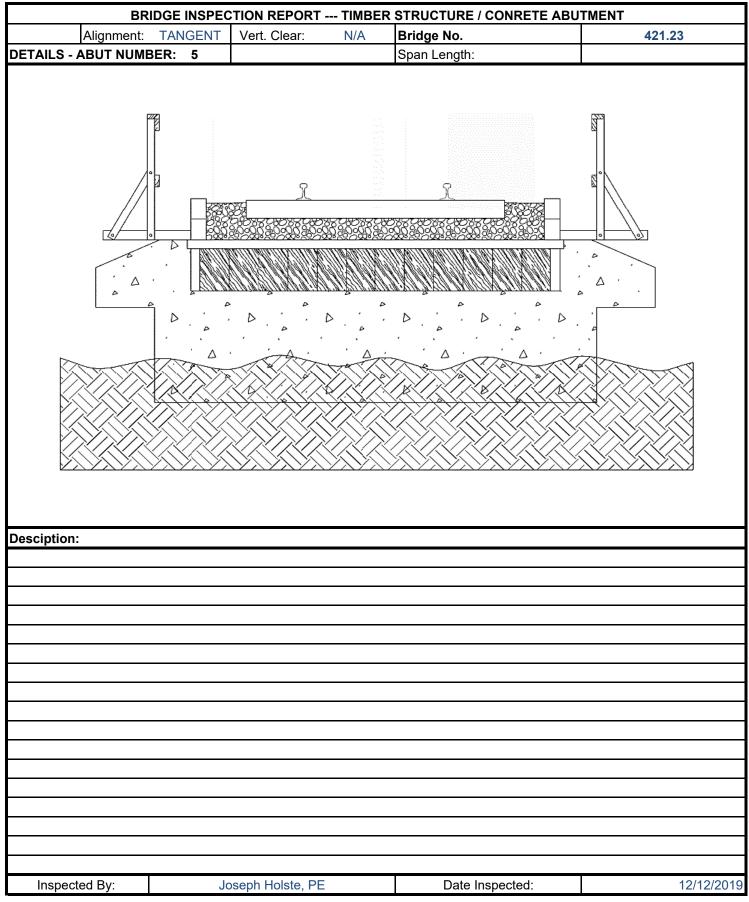














421.23 Looking East



421.23 Looking West



421.23 Looking North



421.23 Looking South



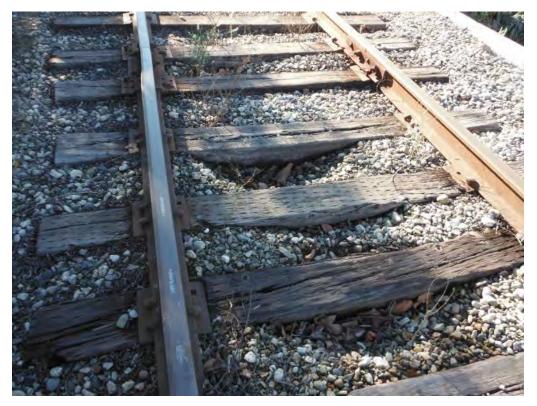
421.23 Channel Condition – Looking Upstream



421.23 Channel Condition – Looking Downstream



421.23 Loose Handrail Cable Both Sides



421.23 Hole in Ballast



421.23 Walkway Timbers Broken on North Side Span 2



421.23 South walkway rotten



421.23 Horizontal Crack in North Side Abutment 1



421.23 Pile #4 Splitting, Bent 2



421.23 Stringer 12 Splitting, Span 2



421.23 Concrete Encased Bent 3





BRIDGE INSPECTION REPORT										
						INS	SPECTION TYP	E:	Annual	
	STRUCTURE INFORMATION					INSPECTIO		RMATION		
Milepost	422.53	JOIOILE			-	Date	12-Dec-19			
	Santa Paula B	ranch Lir	<u>-</u>				or Name		oseph Holste PE	
Location	Fillmore, CA				-	•	one Number		303-501-1215	
Stream		ao)	Overneee		_ Other	relepito				
	x (drainage erating Speed:		Overpass	Passenger:			Company		Wilson & Compa	IIY
							Develition Detine		F	
DECK			Number of		1	-	Condition Rating		<u>5</u> 3	
		-	80#		Jointed	-	/isual Condition I	-	-	
							approach horizor		alignment	
		•••	Timber			n Rating:	5	-		
				chored with j-k						
	<u>BALLAST</u>	•	N/A	Ballast	Conditio	n Rating:	:	-		
		Notes:								
<u> </u>	DECK PLANKS	Туре:	N/A				:	Notes:		
	<u>OTHER</u>	Type:			Conditio	n Rating:	:	-		
SUPERS	TRUCTURE									
	Visual Condition	on Rating	5							
	Туре:	Culvert:	Number ba	arrels		Ro	und or Rect		Size	
			Approx Lng	gth.		_	Concrete		Steel	
		Bridge:	Steel	15'		-	Timber		Concrete	
		Туре:	Truss			D	eck Girder		Through	
			Trestle						Girder	
			Num Span	S		1	Approx. S	pan Lei	ngths 15'	
		Notes:		Stee	el I-beam	- Built 19	941			
SUBSTR	UCTURE									
	Visual Condition	on Rating		5			_			
	Bent:			Туре			Notes			
	Abutment:		5	Туре	Sand	lstone	Notes			
	Wingwalls:			Туре			Notes			
	Embank			Туре			Notes			
	Footing			Туре			Notes			
	Inaccessible a	reas:								
STREAM	CHANNEL									
	Visual Condition	on Rating								
	Stream Depth	0	Scour Evid	ence	r	10	Moving Water		no	
	Notes									
										—
OVERAL			Madium D	iority (			Lou Drievity		V	
	High Priority		Medium Pr	iority			Low Priority		X	





MAINEINE/SUBDIVISI		GE INSPECT	ION REPORT	TIMBER ST	RUCTUR	RE	
Spans:	1	Alignment:	Tangent	Vert. Clear:	12'	Bridge No.	422.53
No. of Tks:	1	Deck Type:	Open	Br. Over:	Draina	ge Overall Length:	15'
ENVIRONMENT		STRINGERS			B08 Sas	sh Brace	N/A
E01 Scour	5	S01 Stringers		5	B09 Lor	ng Brace	N/A
E02 Channel	5	S02 Line Bolt		N/A		p Long Brace	N/A
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shi		N/A
DECK		BENTS	<u> </u>		MISC. C	DTHER	
D01 Ties (OD only)	3	B01 West Ba	ckwall	5	M01		
D02 Ties Spacers	5	B02 East Bac	kwall	5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	N/A	B04 Piles		N/A	M04		
D05 Ballast Retainer	N/A	B05 Framed I	Bents	N/A			
D06 Footwalk	5	B06 Posts		N/A	<b>O</b>	verall Rating:	5
D07 Handrail	3	B07 Cross Br	aces	N/A			
			COMMENT	S			
Reference				Remark			
Handrail	Handrail cabl	e north side is	loose				
Utility	3" pipe under	bridge at abut	ment #2				
		MAINTEN	IANCE RECOM	IMENDATION	S		
Priority				Description			
Α	Remove vege	etation from are	ound bridge				
E03, B		ches on both e					
D03			ction as tonnage	e dictates			
D07, B	Repair cable						
D01, B		attach ties to	stringers along	with quard tim	bers		
			gere along	georg and			
		TION RATING				PRIORITY	
					A 1		
1. Failed (may requ		/	//			mediately	
2. Deficient: OK for	operations, but	requires Flagn	nan/inspector fo	or all trains		thin 1 year	
until repaired.	·u				1	thin 3 years	
3. Satisfactory but w			•			thin 5 years	
4. Worker Safety: ite		andrail, footwa	ilk, etc.)			thin 10 years	
5. Good with minor of	exceptions					onitor, Condition ma	ay change &
6. New Bridge					- ra	ise priority	
7. Not inspected: R		•	loseph Holste P				
Inspecte						Date Inspected:	12/12/201



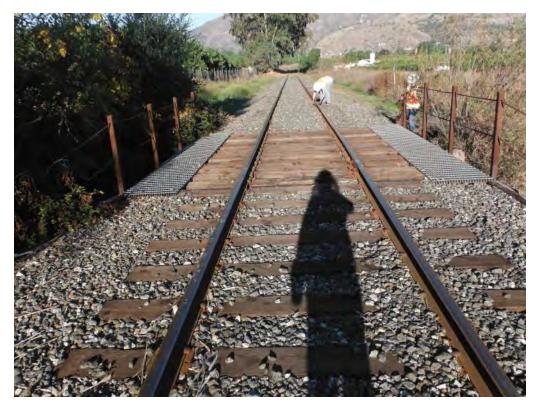


		BF	RIDGE INSPECTI	ON REPOR	T STONE AB	UTMENT	
Span: 1	Alignment:	TANGENT	Vert. Clear:	12'	Bridge No.		422.53
DETAILS -		BER: 1			Span Length:		13'4"
			GT			aT HB	
	on: Looking w	vest - (7) I be	am stringers, sa	ndstone ab	utment #1		
Remarks:	hook bolto at	taching tice to	Steel Stringers				
	Guard Timbe		Steel Stilligers				
	est ballast curl		- see photo				
Inspec	cted By:		loseph Holste PE		Date Ins	spected:	12/12/2019





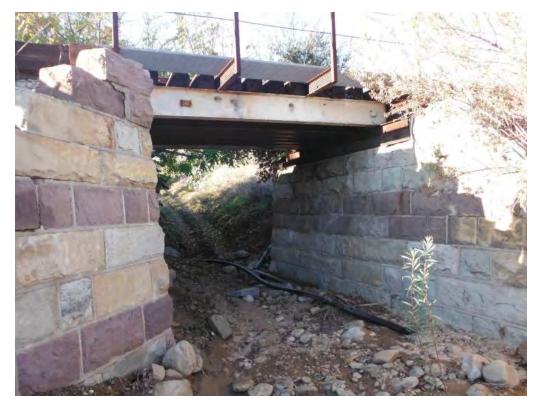
		BR		ON REPOR	T STONE ABUTMEN	IT	
Span:	Alignment:	TANGENT	Vert. Clear:	12'	Bridge No.		422.53
DETAILS	- ABUT NUME	BER: 2			Span Length:		
				VIII BUILING BU		5.111119	
			ll				
			- pl				
Descriptio	on: Looking w	/est - (7)   bea	ım stringers, sar	ndstone ab	utment #2		
Remarks:		(1)1200	un ou ngoro, ou				
1. Southea	ast wingwall bl	ocks loose					
Inspe	cted By:	J	oseph Holste PE		Date Inspected:		12/12/2019



422.53 Looking East



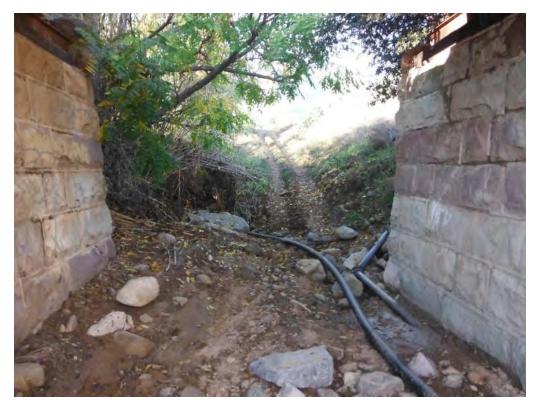
422.53 Looking West



422.53 Looking North



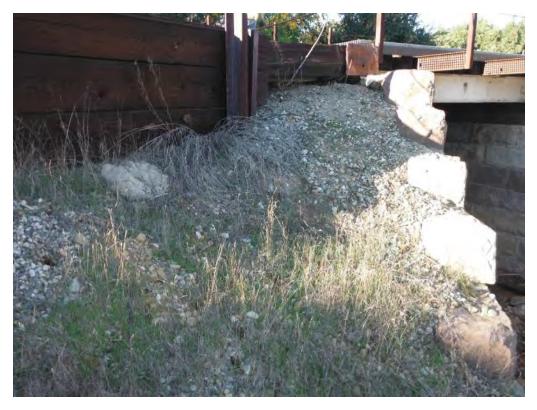
422.53 Looking South



422.53 Upstream channel condition



422.53 Downstream channel condition



422.53 Southwest ballast curb undermined



422.53 Southeast Wingwall Blocks Loose





				BRIDGE IN	SPECTIC	ON REPC	DRT				
						INS	SPECTION TYP	E:	Ann	ual	
			NEODIC				NODECT				
		JCTURE	INFORMA	HON	-		INSPECTIC				
Milepost	422.89		-			Date	12-Dec-19				
Location	Santa Paula B	ranch Lir	ne		_		or Name				
	Fillmore, CA				_	-	ne Number		303-501-12		
	x (draina				-		Compan	у	Wilson &	Company	
	erating Speed:										
DECK							ondition Rating		3		
							isual Condition	Rating:	3		
		Notes:	East and w	vest approach	es are lov	V					
	<u>TIES</u>	Туре:	Timber	Tie	Condition	n Rating:	3	_			
		Notes:	Multiple sp								
	<b>BALLAST</b>	Depth:	13 in	Ballast	Condition	n Rating:	3	_			
		Notes:	Low and F	ouled Ballast						<u> </u>	
<u>[</u>	DECK PLANKS	Туре:	N/A		Condition	n Rating:		Notes:			
	<u>OTHER</u>	Туре:	Concrete c	leck	Condition	n Rating:	5	_			
SUPERS ⁻	TRUCTURE										
	Visual Condition	on Rating	5	_							
	Туре:	Culvert:	Number ba	arrels	_	Rou	und or Rect		Size		
			Approx Lng	gth.		. (	Concrete		Steel		
		Bridge:	Steel	12'			Timber		Concrete		
		Туре:	Truss			De	eck Girder		Through		
			Trestle						Girder		
			Num Span	s		1	Approx. S	Span Le	ngths	12'	
		Notes:		ail Stringers e	encased ii	n concret	e - built 1915				
				0					-		
SUBSTR	UCTURE										
	Visual Conditio	on Rating	1	5							
	Bent:			Туре			- Note:	s			
	Abutment:		5	Туре	Con	crete	Note:	s			
	Wingwalls:			Туре			Note	s			
	Embank			Туре			Note	<u>^</u>			
	Footing			Туре			- Note				
	Inaccessible a	reas:					•				
STREAM	CHANNEL										
	Visual Conditio	on Ratino	5								
	Stream Depth	-	Scour Evid	lence	r	10	Moving Water		no		
	Notes		-								
OVERAL	L RATING										
	High Priority		Medium Pr	riority			Low Priority		Х		





	BR	RIDGE INSPECT	ION REPORT	STEEL STR	RUCTURE				
Spans:	1	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	12'		
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A		
E01 Scour	5	S01 Stringers		5	B09 Long	Brace	N/A		
E02 Channel	5	S02 Line Bolt	s	N/A	B10 Cap I	ong Brace	N/A		
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shims N/				
DECK		BENTS			MISC. OTHER				
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	5	M01				
D02 Ties Spacers	N/A	B02 East Bac	kwall	5	M02				
D03 Rail	3	B03 Caps		5	M03				
D04 Ballast Floor	5	B04 Piles		N/A	M04				
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A					
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	5		
D07 Handrail	N/A	B07 Cross Br	aces	N/A					
			COMMENT	TS					
Reference				Remark					
Handrail	No handrail	either side							
Abutment		all top corners	of abutments						
		MAINTEN	IANCE RECOM		S				
1				IMENDATION Description	S				
E03, B		baches on both e	ends	Description	<u>S</u>				
D03	Replace rail	baches on both e I with heavier se	ends	Description	<u>S</u>				
E03, B		baches on both e I with heavier se	ends	Description	<u>S</u>				
E03, B D03	Replace rail	baches on both e I with heavier se	ends	Description	<u>S</u>				
E03, B D03	Replace rail Replace fou	baches on both e I with heavier se	ends ction as tonnag	Description	<u>S</u>	PRIORITY			
E03, B D03 D04, B	Replace rail Replace fou	Daches on both e I with heavier se Iled ballast DITION RATING	ends ction as tonnag	Description		PRIORITY			
E03, B D03 D04, B 1. Failed (may requ	Replace rail Replace fou CONE	Daches on both e I with heavier se Iled ballast DITION RATING t of service )	ends ction as tonnag	Description le dictates	A. Imme	ediately			
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for o	Replace rail Replace fou CONE	Daches on both e I with heavier se Iled ballast DITION RATING t of service )	ends ction as tonnag	Description le dictates	A. Imme B. With	ediately n 1 year			
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for o until repaired.	Replace rail Replace fou CONE uire bridge our operations, bu	Daches on both e I with heavier se I with heavier se I with heavier se I with heavier se I ballast DITION RATING t of service ) ut requires Flagn	ends ction as tonnag nan/Inspector fo	Description le dictates	A. Imme B. With C. With	ediately in 1 year in 3 years			
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w	Replace rail Replace fou CONE uire bridge our operations, bu	Daches on both e I with heavier se Iled ballast DITION RATING t of service ) ut requires Flagn s: Slow order m	ends ction as tonnag nan/Inspector fo ay be required.	Description le dictates	A. Imme B. With C. With D. With	ediately in 1 year in 3 years in 5 years			
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Replace fou CONE uire bridge out operations, bu	Daches on both e I with heavier se Iled ballast DITION RATING t of service ) ut requires Flagn s: Slow order m	ends ction as tonnag nan/Inspector fo ay be required.	Description le dictates	A. Imme B. With C. With D. With E. With	ediately in 1 year in 3 years in 5 years in 10 years	chance &		
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for c until repaired. 3. Satisfactory but w 4. Worker Safety: ite 5. Good with minor e	Replace rail Replace fou CONE uire bridge out operations, bu	Daches on both e I with heavier se Iled ballast DITION RATING t of service ) ut requires Flagn s: Slow order m	ends ction as tonnag nan/Inspector fo ay be required.	Description le dictates	A. Imme B. With C. With D. With E. With M. Mon	ediately in 1 year in 3 years in 5 years in 10 years itor, Condition may	change &		
E03, B D03 D04, B 1. Failed (may requ 2. Deficient: OK for o until repaired. 3. Satisfactory but w 4. Worker Safety: ite	Replace rail Replace fou CONE uire bridge our operations, bu with exceptions ems such as ( exceptions	Daches on both e I with heavier se Iled ballast DITION RATING t of service ) ut requires Flagn s: Slow order m	ends ction as tonnag nan/Inspector fo ay be required.	Description le dictates	A. Imme B. With C. With D. With E. With M. Mon	ediately in 1 year in 3 years in 5 years in 10 years	change &		

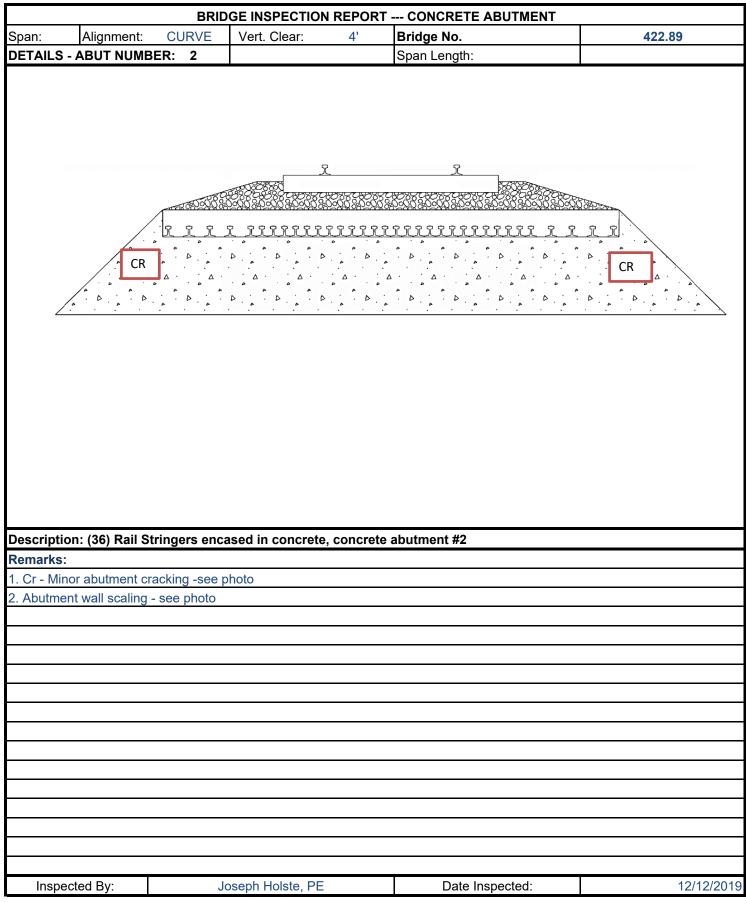


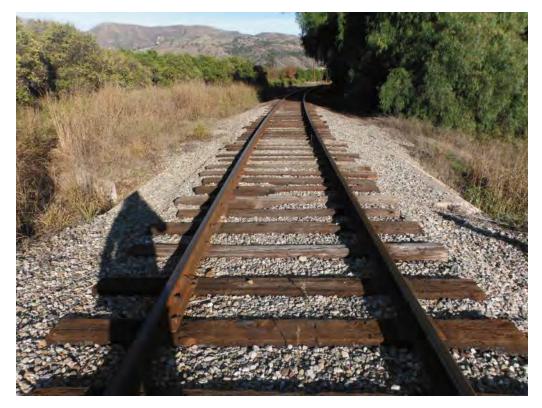


	BRID	GE INSPECTION	REPORT	CONCRETE ABUTMENT	
Span: 1 Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89
DETAILS - ABUT NUM	BER: 1			Span Length:	12'
CR		ITTTTTT SL			
Description: (36) Rail S Remarks:					
1. Cr - Minor abutment of	racking				
2. Surface rust on rail to	p stringers				
3. Efflorescence unders	ide railtop slab	- see photo			
4. Abutment wall scaling	j - see photo				
5. SL - Section loss at ra	ail stringers 10	, 11, 20, 21, and 2	23 - see pho	oto	
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/12/2019









422.89 Looking East



422.89 Looking West



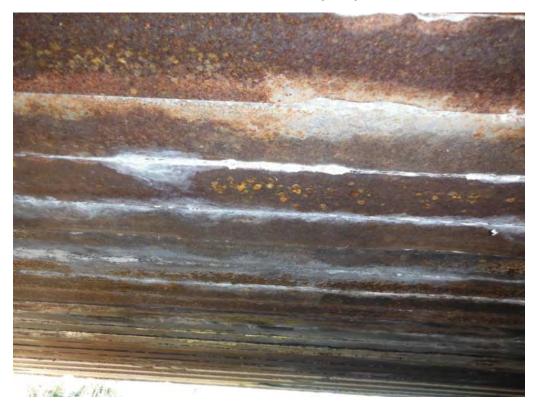
422.89 Looking North



422.89 Looking South



422.89 Efflorescence on rail top superstructure



422.89 Section loss at rail stringers 10, 11, 20, 21, and 23



422.89 Abutment 2 cracking – cracking typical both sides each Abutment



422.89 Abutment scaling – typical each Abutment





				BRIDGE IN	ISPECTIC	N REP	ORT				
						IN	SPECTION TYP	E:	An	nual	
		JUTURE	INFORMA	HON	-		INSPECTIC				
Milepost			-			Date	13-Dec-19				-
Location	Santa Paula B	ranch Lir	ne		_		or Name				-
_	Fillmore, CA		_			Telepho	one Number		303-501-1		-
Stream	x (Sespe c						Company	y	Wilson &	Company	
	erating Speed:										
DECK							Condition Rating		5	-	
		-		Type:			/isual Condition	Rating:	3	-	
		Notes:	East and v	vest approach	ies are lov	۷.					-
	<u>TIES</u>	Type:	Timber	Tie	Condition	n Rating	: 5	_			
		Notes:									_
	<b>BALLAST</b>	Depth:	N/A	Ballast	Conditior	n Rating	:	_			
		Notes:									
<u> </u>	DECK PLANKS	Type:	N/A	-	Condition	n Rating	:	Notes:			_
	<u>OTHER</u>	Type:			Condition	n Rating	:	_			
SUPERS	TRUCTURE										
	Visual Condition	on Rating	5	_							
	Туре:	Culvert:	Number ba	arrels		Ro	ound or Rect		Size		_
			Approx Ln	gth.			Concrete		Steel		_
		Bridge:	Steel				Timber		Concrete		
		Type:	Truss	211		D	eck Girder		Through		
			Trestle						Girder		
			Num Span	S		1	Approx. S	Span Lei	ngths	211'	
		Notes:		Th	ru Truss -	Built 19	03				
											_
SUBSTR	UCTURE										
	Visual Condition	on Rating	9	5			_				
	Bent:			Туре			Notes	S			
	Abutment:		5	Туре	sto	one	Notes	s			_
	Wingwalls:			Туре							_
	Embank			Туре							
	Footing			Туре			Notes				
	Inaccessible a	reas:		-			_				
STREAM	CHANNEL										
	Visual Condition	on Rating	5	_							
	Stream Depth	0	Scour Evic	lence	r	0	_Moving Water		no		_
	Notes										-
											-
OVERAL											
	High Priority		Medium P	riority			Low Priority		Х	-	
1											





	BRI	DGE INSPECT	ION REPORT -	STEEL ST	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	-	Bridge No.	423.28
No. of Tks:	1	Deck Type:	Open	Br. Over:	Sespe C	rk Overall Length:	200'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late	S02 Top Lateral Braces 5 A08		A08		
E03 Approach	3	S03 Bottom Lateral Braces 5			A09		
DECK		S04 Cross Br	aces	5	MISC. O	THER	
D01 Ties (OD only)	5	S05 Bearings		3	M01		
D02 Ties Spacers	5	ABUTMENTS			M02		
D03 Rail	3	A01 East Abu	ıtment	5	M03		
D04 Footwalk	5	A02 East Win	gwalls	5	M04		
D05 Handrail	3	A03 West Ab	utment	5			
D06 Floor Beams	5	A04 West Wi	ngwalls	5	Ov	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		N/A			
			COMMENT	S			
Reference				Remark			
Approach	East and wes	t approaches a	are low	. ternom			
Handrail		e is loose on n					
Structure		ninor surface r					
Curb			and east side, n	orth east corr	ner is wors	t - see photo	
		MAINTEN	IANCE RECOM	MENDATION	IS		
Priority	Description						
E03, B	Raise approa	ches					
D05, A	Repair handra	ail cable north	side				
S05, B/C, M	Clean bearing	gs. Monitor co	ndition and raise	e priority if ne	cessary		
	Bearings may	need to be re	placed				
A03, A	Remove bees	at abutment	1				
D03	Increase rail v	with heavier se	ection as tonnage	e dictates			
	CONDI	TION RATING				PRIORITY	
1. Failed (may req	uire bridge out o	of service)			A. Imr	nediately	
<ol> <li>Deficient: OK for operations, but requires Flagman/Inspector for all trains</li> </ol>						hin 1 year	
until repaired. C. Within 3 years							
3. Satisfactory but v	y but with exceptions: Slow order may be required. D. Within 5 years						
4. Worker Safety: it	titems such as (handrail, footwalk, etc.) E. Within 10 years						
5. Good with minor	Good with minor exceptions M. Monitor, Condition may change					y change &	
6. New Bridge						se priority	-
7. Not inspected: R							
Inspecte	ed By:	J	oseph Holste, P	E		ate Inspected:	12/13/2019

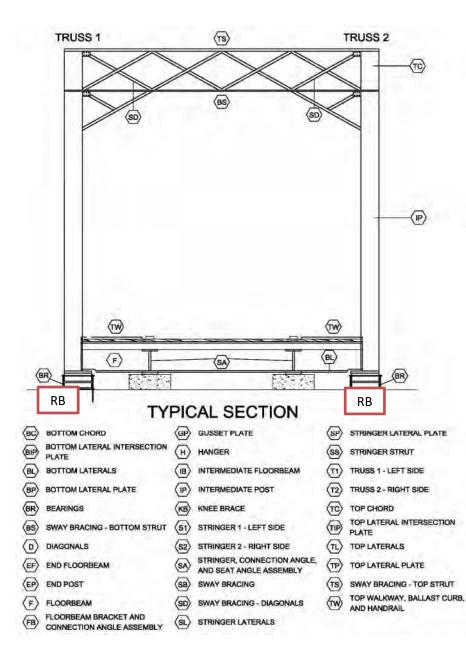




			STEEL STRUCTURE/STONE	
Span: 1 Alignment:	TANGENT	Vert. Clear:	15' Bridge No.	423.28
DETAILS - ABUTMENT	NUMBER: 1		Span Length:	200'
			$\sim$ $\sim$ $\sim$	
		$\checkmark$ $\searrow$	$\sim$	
		$\sim$	$\checkmark$	
		$\checkmark$	$\sim$	
		Ŷ	Я <u> </u>	
	3112 E A2	anne a san an a	are marren and a diver the marren and a to and	
		T		
	– RB –		F	B
Description: Steel Thru	u Truss, Stone	Abutment		
Remarks:	,			
I. Sign of minor impact	lateral brace Ba	/ #1		
2. RB-Left and right side			bolt racked - see photo	
3. Both bearings at the I			•	
. Bee nest at north end				
5. Map cracking on nort				
			ient 1 expanded - see photo	







DIVISIO	N Ve	ntura	SPAN LENGTH	200'
NUMBER O	F TRACKS	1	CROSSING	SESPE CREEK
TRACK A	LIGNMENT	TANGENT	SPAN No.	1
INSPECTIO	ON FINDINGS			
RB		West end	bearings are rocke	ed back
		Pack	rust at all connecti	ons
	Bird nes	st at multiple	e locations at top c	hord connections
	Missing rivet	on south sic	le, mid span, near See photo	bay two bottom chord
			·	
			n angles of all lowe	
			oracing at bay / no rst x from bearing -	rth side has impact see photo
	Inone	at to botton	a lattice have 1 and	7 and photo
	Impa		n lattice bay 1 and	7 - see photo

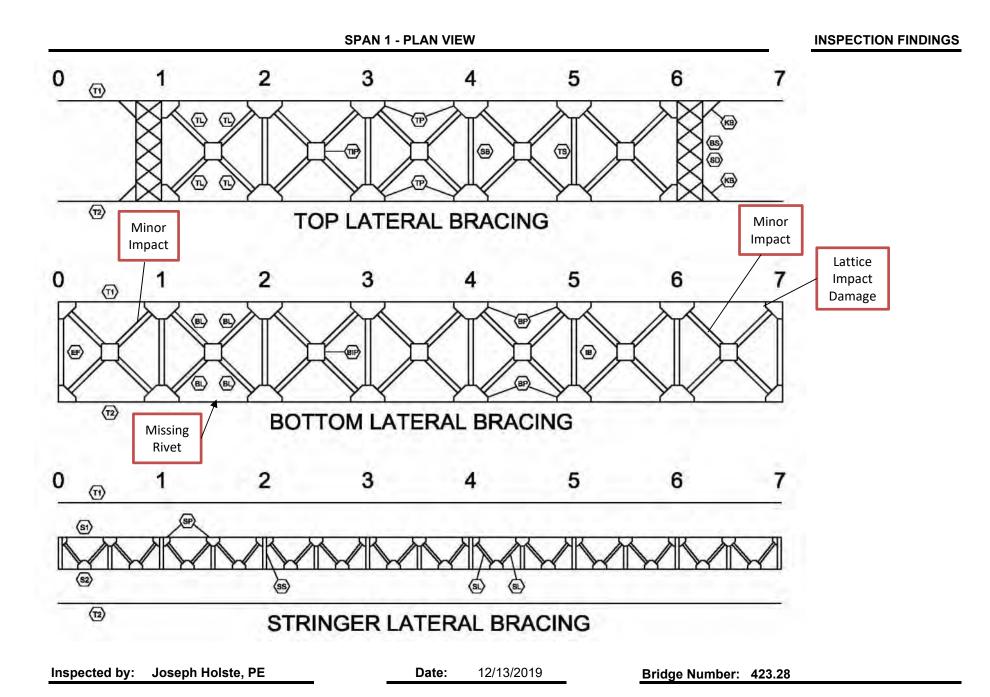
Inspected by: Joseph Holste, PE

**Date:** 12/13/2019

Bridge Number: 423.28

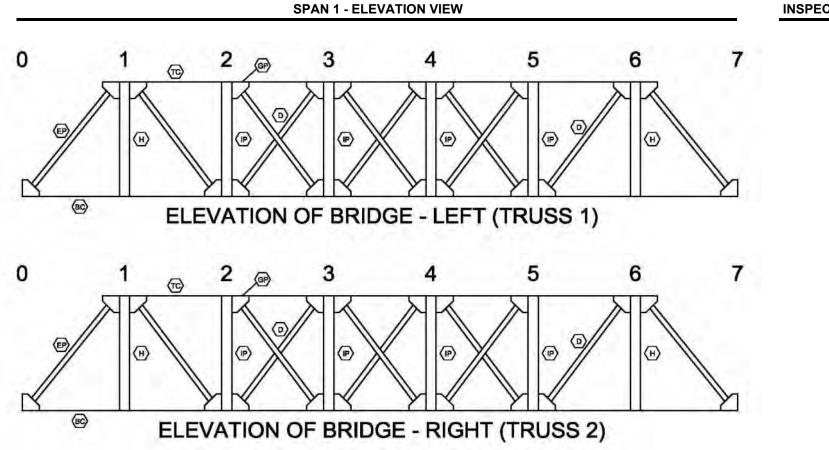












**INSPECTION FINDINGS** 

Inspected by: Joseph Holste, PE

Bridge Number: 423.28





	BRIDGE INSP	ECTION REPORT	STEEI	STRUCTURE/ST	ONE ABUTM	ENT
Span: Alignment:		Vert. Clear:		Bridge No.		423.28
DETAILS - ABUTMENT				Span Length:		
Description: Steel Thru	Truss Stone	Abutment #2			425 (1) (1) (1)	
Remarks:						
1. Missing SW anchor b	olt at north bea	aring - see photo				
2. Missing NW anchor a						
3. Anchor at north string	er is pushed b	ack				
Inspected By:	Jo	oseph Holste, PE		Date Inspe	ected:	12/13/2019



423.28 Looking East



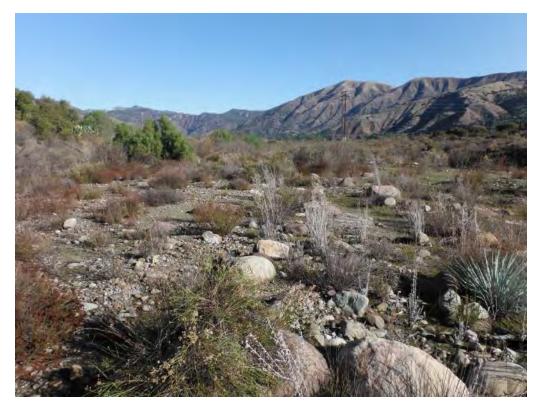
423.28 Looking West



423.28 Looking North



423.28 Looking South



423.28 Channel Condition – Looking Upstream



423.28 Channel Condition – Looking Downstream



423.28 Damaged timber curb west and east side, typ



423.28 No gap between end of stringer and backwall – Abutment 1



423.28 Abutment 1 bearings rocked



423.28 Minor impact damage to cross bracing near Abutment 1



423.28 Map cracking Northside of backwall - Abutment 1



423.28 Bolt missing at Northwest bearing bridge rollers



423.28 Missing rivet near Bay 2 bottom chord



423.28 Impact damage to bottom chord lattice bracing at bay 7



423.28 Minor impact damage to cross bracing near Abutment 2



423.28 North bearing, Abutment 2 – Missing SW anchor



423.28 South bearing, Abutment 2 – Missing NW anchor





				BRIDGE	INSPECTION	ON REP	ORT				
						IN	ISPECTION TYPI	Ξ:	Annı	ıal	
								– .			-
		RUCTURE IN	IFORMAT	ON			INSPECTIO				
Milepost			_			Date	13-Dec-19				-
Location		Branch Line					tor Name		oseph Holste		_
	Fillmore, CA					Teleph	one Number		303-501-12	15	_
Stream	X (Sespe Cre	ek overflow	Overpass		Other		Company		Wilson & (	Company	
Train Op	perating Speed:	Freight:	10 mph	Passeng	jer: 15 mph						
DECK	Туре:	Ballast	Number	of Tks	1	Visual	Condition Rating	-	5		
1	RAIL	Weight:	80#	Type:	Jointed	_ `	Visual Condition F	Rating:	3		
		Notes:	Low west	approach	. Slight hori	zontal m	nisalignment acro	ss bridg	je		_
	TIES	Туре:	Timber	T	ie Conditio	n Rating	j: <u>5</u>	_			
		Notes:									_
	<b>BALLAST</b>	Depth:	12 in	Balla	st Conditio	n Rating	j: <u>3</u>	_			
		Notes:	Low balla	st across	bridge			-			
	DECK PLANKS	Type:	N/A		Conditio	n Rating	j:	Notes:			_
	OTHER	Туре:		_			j:				-
						0		-			
SUPERS	STRUCTURE										
	Visual Condit	tion Rating	5								
	Type:	Culvert:	Number	arrels		R	ound or Rect		Size		
	1)po.	ourrort	Approx L			-	Concrete		Steel		-
		Bridge:	Steel	ngun.		-	Timber		Concrete	450'	-
		Type:	Truss			- г	Deck Girder		Through	400	-
		туре.	Trestle						Girder		
			Num Spa	ne		15	Approx. S	nanla		30'	-
		Notes:	Nulli Spa			-	Approx. 3 r - built 1969	pan Lei	iguis _	50	-
		NOLES.		COncret		JX giruei	- built 1909		_		-
CUDOT											
208211	RUCTURE Visual Condit	ion Poting			5						
	Bent:	-	5		÷	crete	Notos		Steel piles		
	Abutment:		5 5	_Туре			Notes	-			-
	Wingwalls:		0	_Туре	Cor	orete			Steel piles		-
	0			_Туре							
	Embank			_Туре			Notes				-
	Footing			Туре			Notes				-
	Inaccessible	areas:									-
STREAM	M CHANNEL										
	Visual Condit		5	<del></del>							
	Stream Depth				У	es	Moving Water		yes		-
	Notes	Local scou	r at individ	ual pents							-
											-
OVERA	LL RATING High Priority		Medium I	Priority			Low Priority		Y		
	righ Phonly			попту					<u>X</u>		





	BRIDO		N REPORT	CONCRETE S	STRUCTU	RE	
Spans:	15	Alignment:	Tangent	Vert. Clear:	14'	Bridge No.	423.44
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	450'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	5
E01 Scour	3	S01 Girder		5	A07 Piles	5	5
E02 Channel	5	S02 Bearings	3	5	A08		
E03 Approach	3	ABUTMENT	S & PIERS		A09		
DECK		A01 East Abu	utment	5	MISC. O	THER	
D01 Rail	3	A02 East Wir	ngwalls	3	M01		
D02 Footwalk	5	A03 West Ab	utment	5	M02		
D03 Handrail	5	A04 West Wi	-	5	M03		
D04		A05 Pier Cap	•	5	M04		
D05					Ov	erall Rating:	5
Reference			COMMEN	Remark			
Utility	Litility crossin	a north side	8" steel wrappe				
Utility					hack with	in 50' at west end)	
Abutment Joint		ng at west abut			DOUR WILL		
	Bandot Iouran	ig at noot abut	monejonie				
					6		
			ANCE RECOR		3		
Priority				Description			
В		ballast 3" bello	ow top of tie				
E03, B	Raise west a						
E02, B	_	ris from bents					
E01, A02, B/C	Add scour pr	otection at Abu	itment 1				
					-		
	COND	TION RATING	i			PRIORITY	
1. Failed (may req	uire bridge out	of service)			A. Imm	nediately	
2. Deficient: OK for			nan/Inspector f	or all trains		nin 1 year	
until repaired.	•					nin 3 years	
3. Satisfactory but	with exceptions:	Slow order m	av be required.			nin 5 years	
4. Worker Safety: it			• •			nin 10 years	
5. Good with minor			, 0.0./			nitor, Condition may	change 9
6. New Bridge	CACCPUOLIS					e priority	onanye a
Ų	Poocon stated				- rais	e priority	
7. Not inspected: F Inspected			looonh Usista			oto Inonactoria	12/13/201
Incháct		1	loseph Holste,		1 D	ate Inspected:	1/13/201

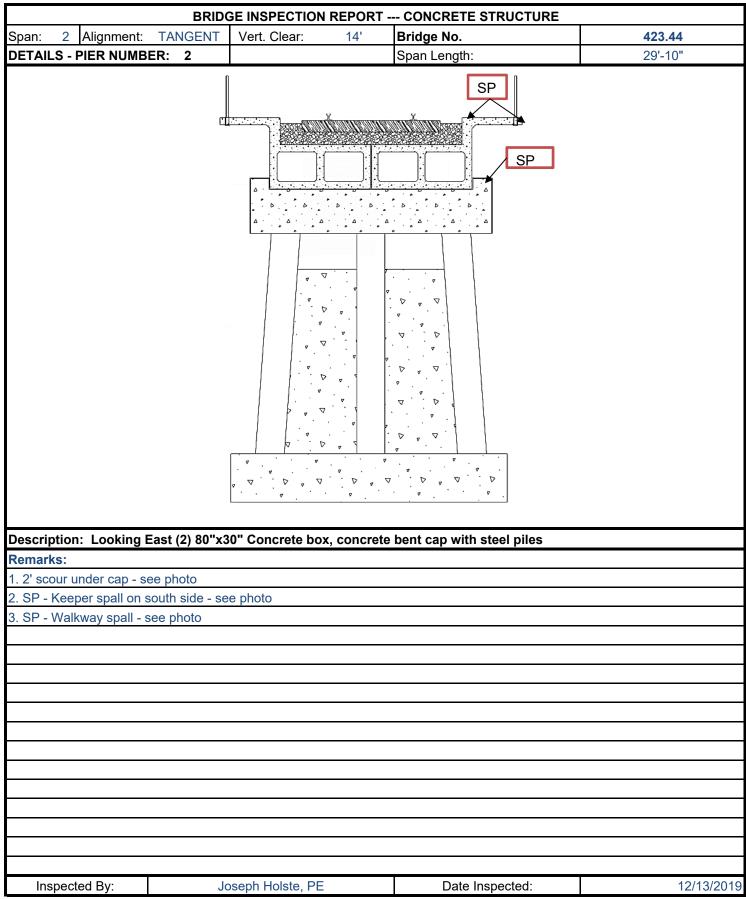




BRI	DGE INSPECT	ION REPORT	- CONCRET	E STRUCTURE/CONCRETE	BUTMENT
Span: 1 Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - ABUT NUM				Span Length:	29'-10"
Remarks:				abutment with steel piles	
	cour - 7' pile ex	xposed - southwe	est wingwall	more exposed - see photo	
2. Tree under abutment					
3. Span 1 Impact Dama	-				
4. Deep erosion from he			photo		
	<u>_</u>	•			
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/13/2019

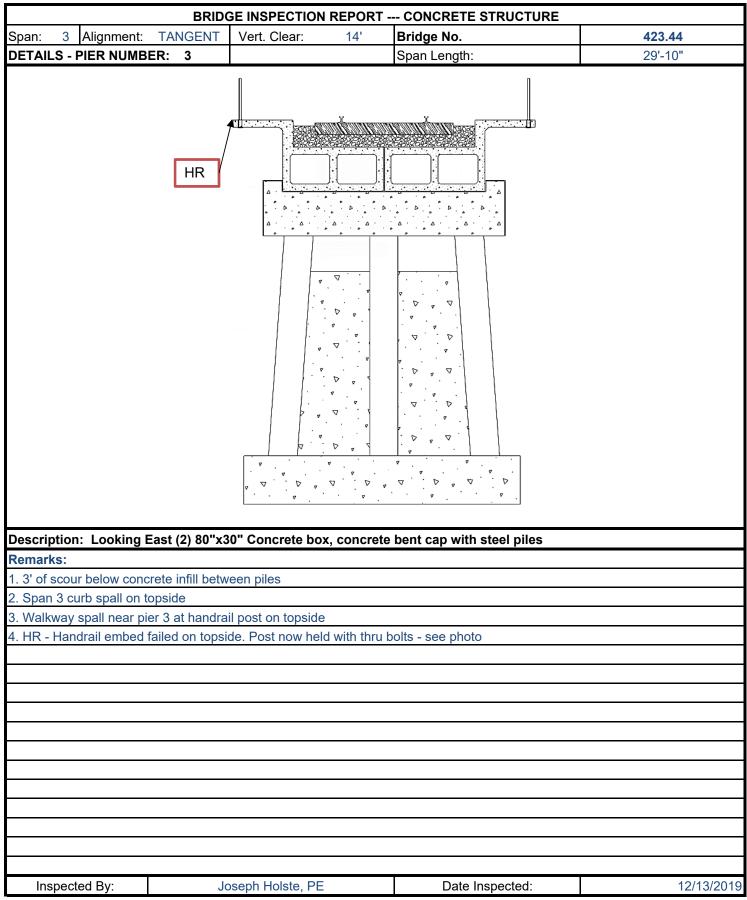






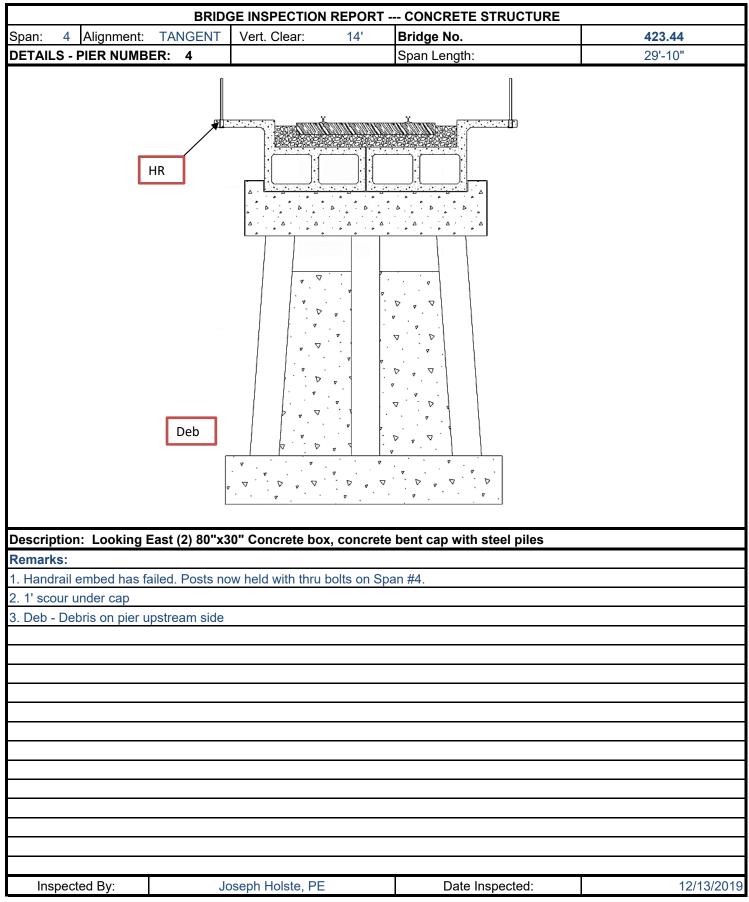






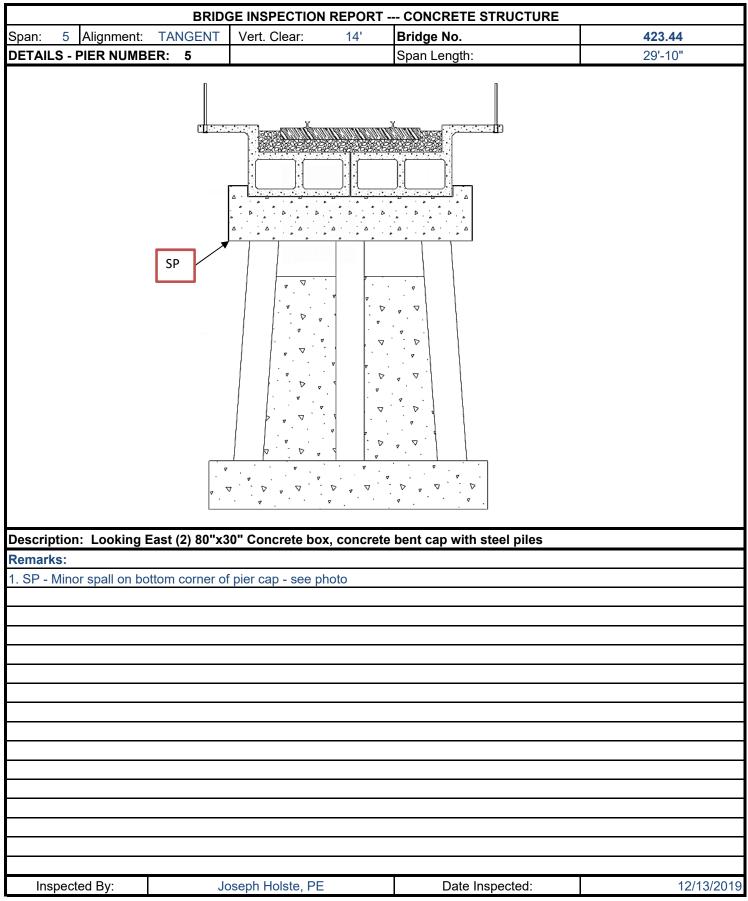






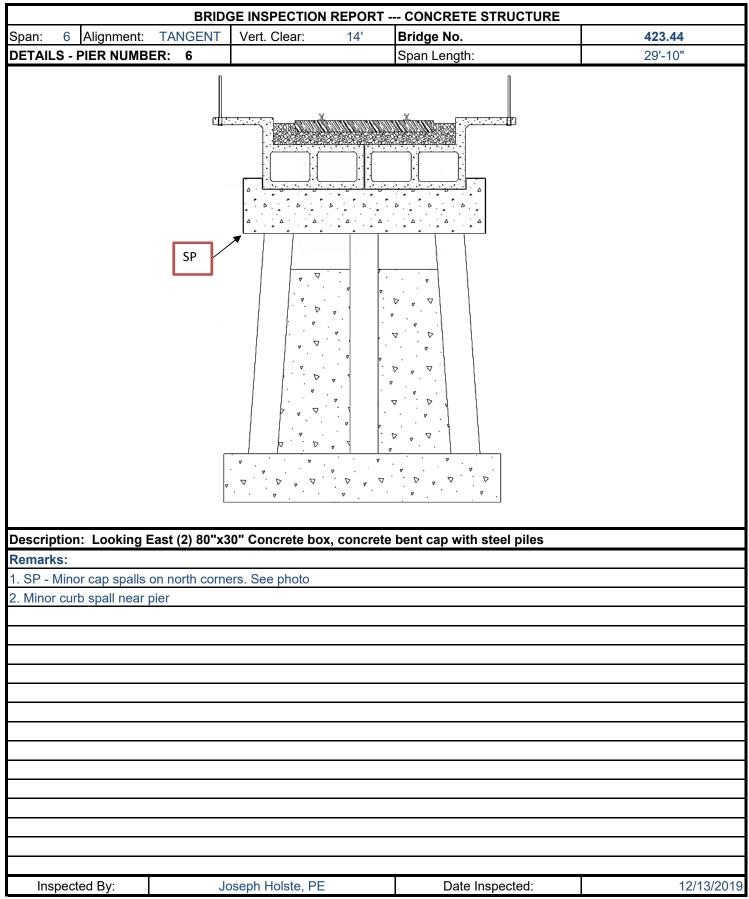
















	BRIDO		REPORT -	CONCRETE STRUCTURE	
Span: 7 Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUME	BER: 7			Span Length:	29'-10"
Remarks:	East (2) 60 X3		, concrete	bent cap with steel piles	
	the underside c	of the can along th	e edge of t	he embed plate - see photo	
2. Curb spall near pier -		a the oup along th	e euge or t		
3. Trees under span on		e photo			
Inspected By:	Jc	oseph Holste, PE		Date Inspected:	12/13/2019

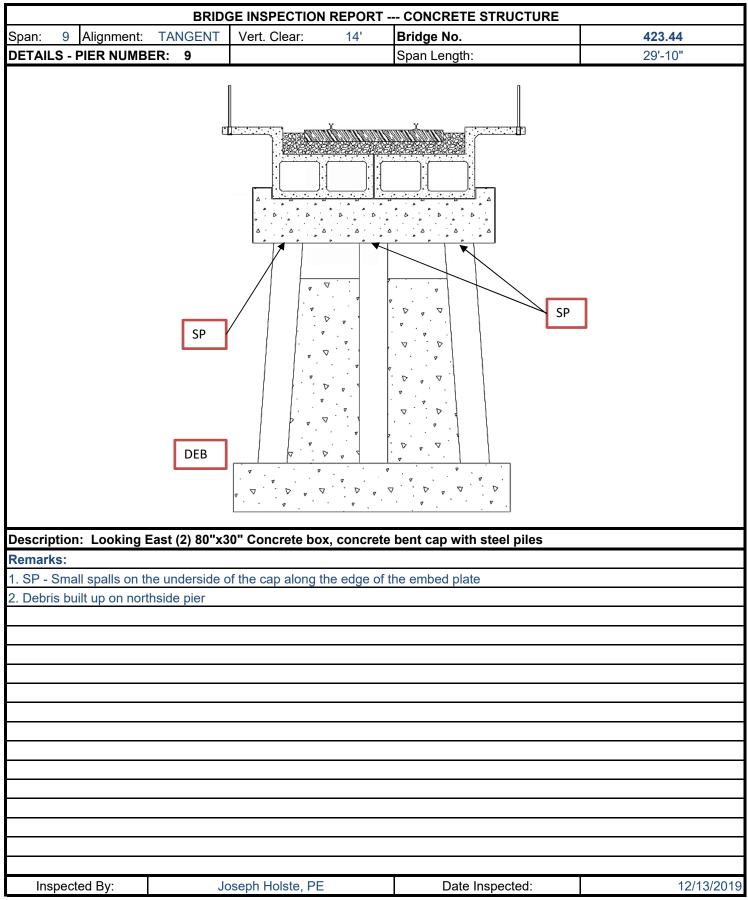




	BRIDO	<b>GE INSPECTION</b>	<b>REPORT</b> -	CONCRETE STRUCTURE	
Span: 8 Alignment:		Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUME	BER: 8			Span Length:	29'-10"
	SP				
Remarks:	Lasi (2) 00 x3		, concrete	bent cap with steel piles	
1. SP - Small spalls on t	he underside c	of the cap along th	ne edae of t	he embed plate	
2. Trees on south side u			0	•	
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/13/2019

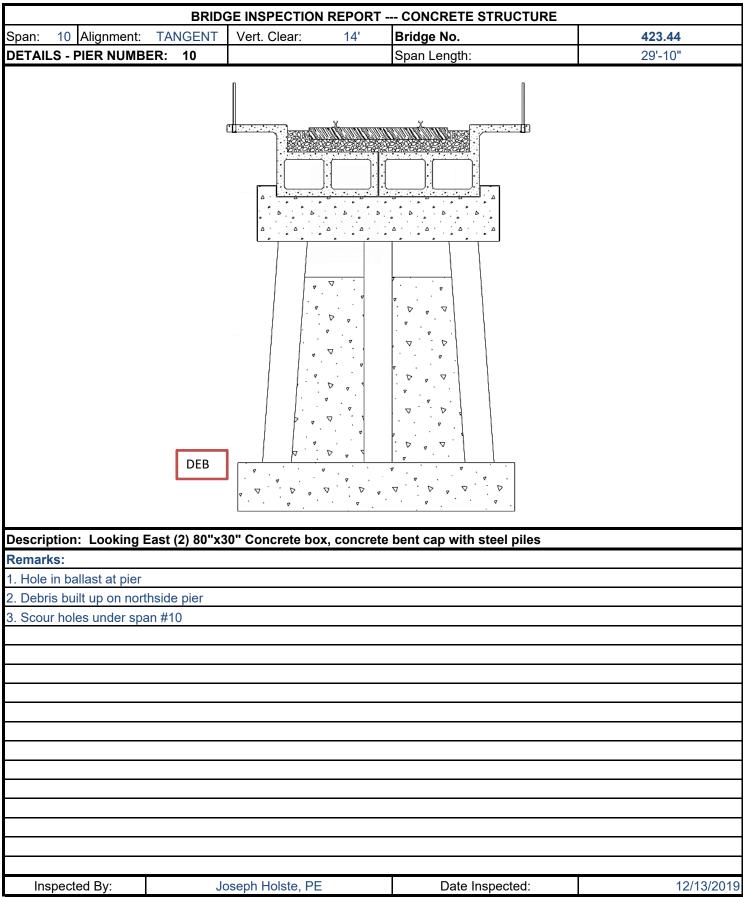






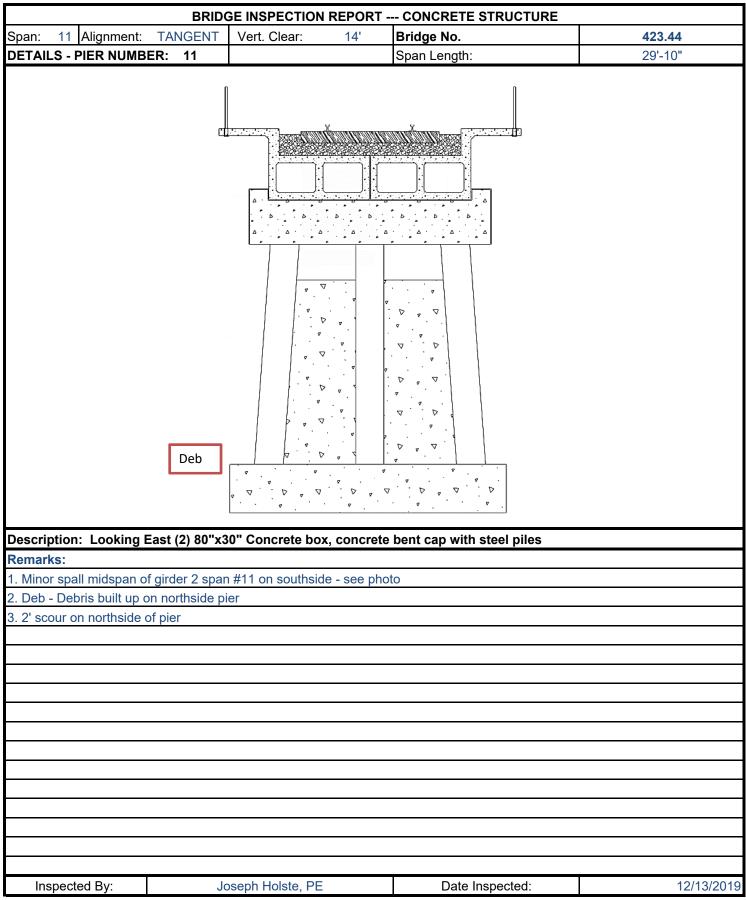






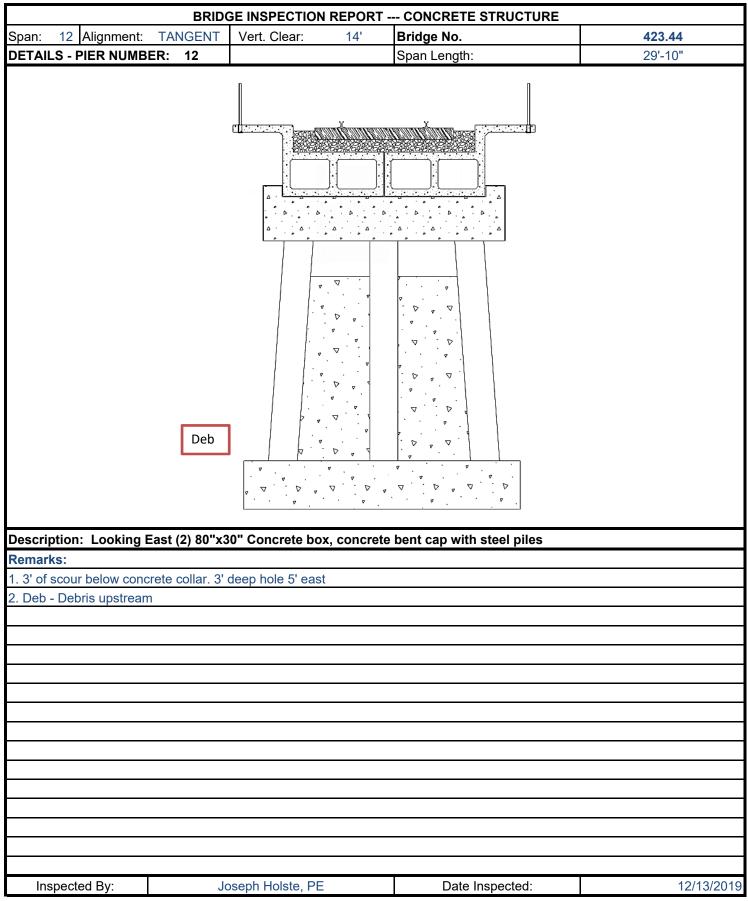






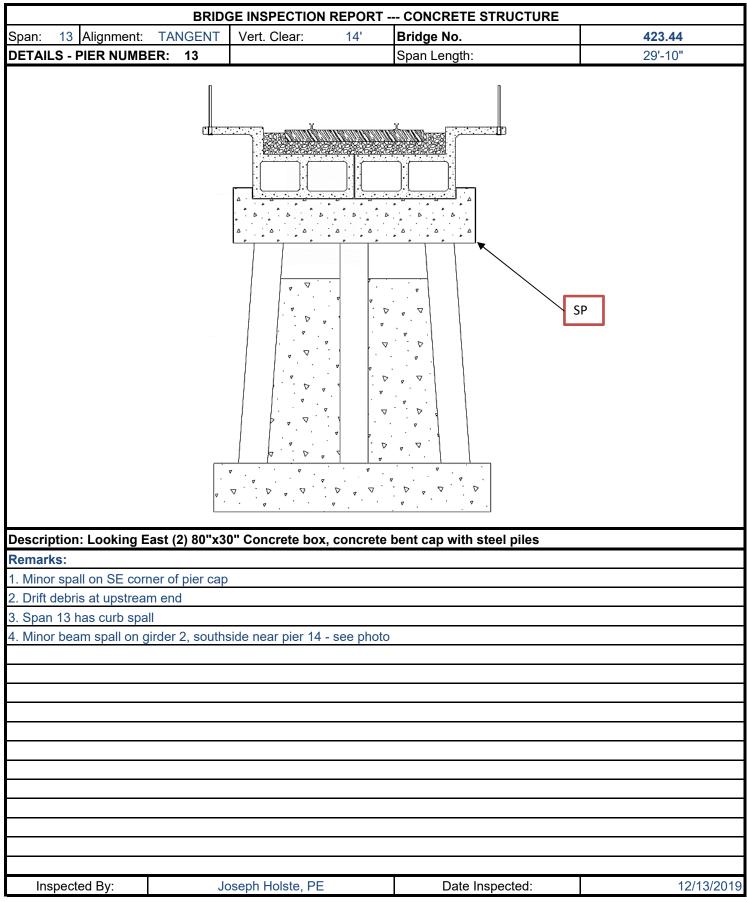






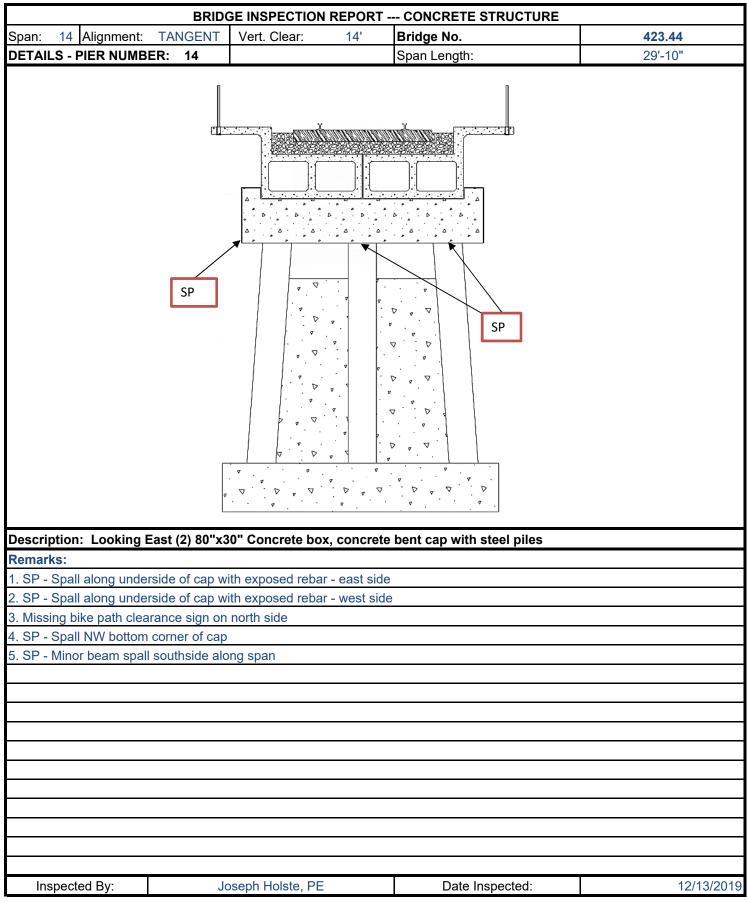






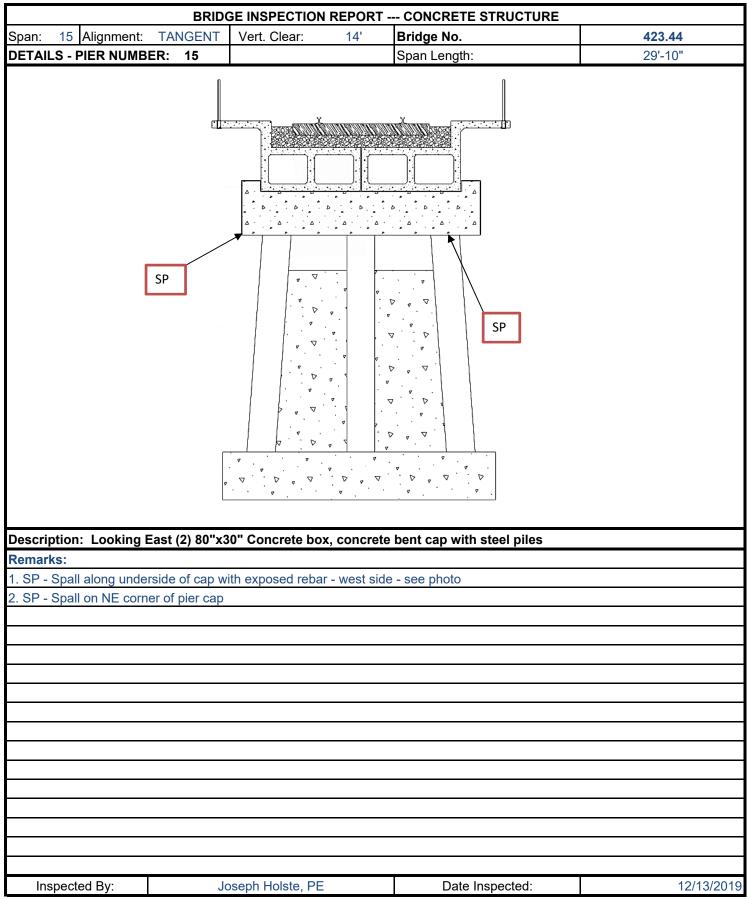






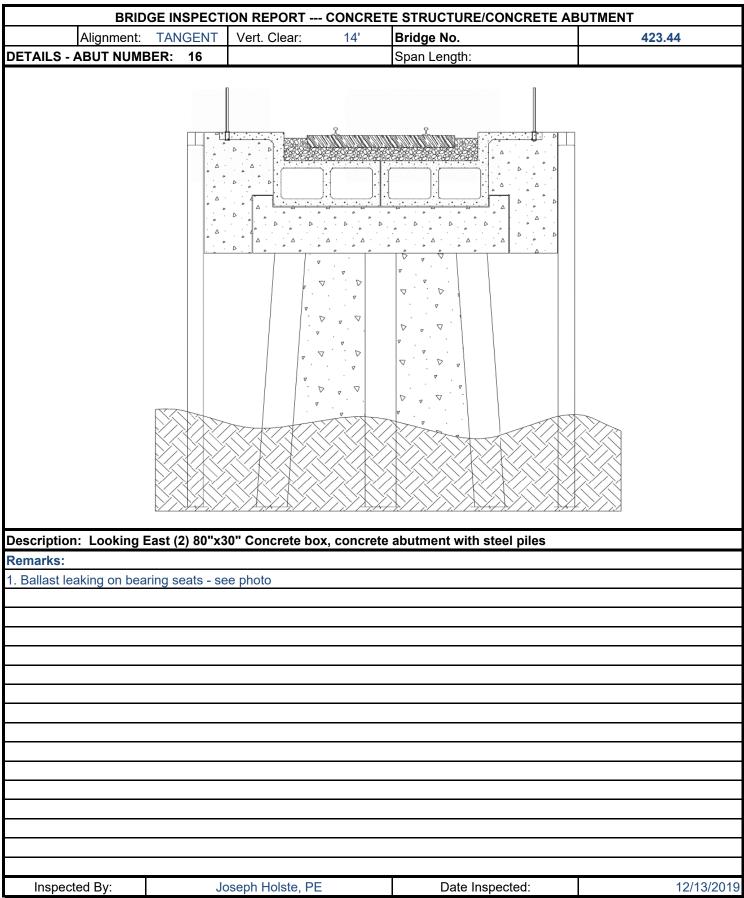














423.44 Looking East



423.44 Looking West



423.44 Looking Northeast



423.44 Looking Northwest



423.44 Channel condition looking upstream



423.44 Channel condition looking downstream



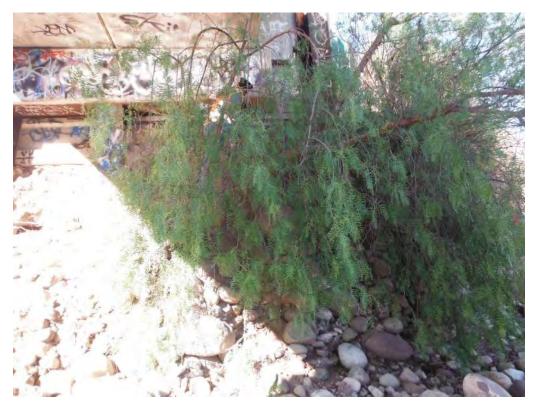
423.44 Walkway Spall on Span 2 and multiple locations



423.44 Handrail embed failed. Post held with bolts, Span 3 and 4



423.44 Scour - Abutment 1



423.44 Tree under Abutment



423.44 Deep erosion from heavy water on North slope



423.44 Span 1 Impact Damage



423.44 2' Scour under cap 2



423.44 Keeper spall on Pier 2



423.44 Debris Upstream on Pier 4



423.44 Minor spall on bottom corner of pier cap, Pier 5



423.44 Trees under Span 7 and 8 on south side



423.44 Minor spall midspan, Span 11



423.44 Debris – Multiple locations



423.44 Minor spall - south side Span 13



423.44 Spall along underside of cap with exposed rebar – west side Pier 14



423.44 Spall NE bottom corner of cap, Pier 14



423.44 Spall with Exposed Rebar – Pier 15 west side



423.44 Ballast leaking on bearing seats, near Abutment 16





BRIDGE INSPECTION REPORT											
						IN	SPECTION TYF	E:	Anr	nual	
										-	
		STRUCTURE INFORMATION			INSPECTION INF						
Milepost	425.15		-			Date	13-Dec-19			0 AM	_
Location	Santa Paula Br	anch Line			_	•	or Name		oseph Hols		_
	Fillmore, CA				_	Telepho	one Number		303-501-1		-
Stream	X (Pole Ci	/	Overpass		Other		Compan	у	Wilson 8	Company	
	erating Speed:	-		-	: 15 mph						
DECK	Туре:		Number of		1	Visual C	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	<u>،</u> ۱	/isual Condition	Rating:	5		
		Notes:									
	<u>TIES</u>	Type:		Tie	Condition	n Rating	: 7	_			
		Notes:	Not inspec	cted, covere	ed with cro	ssing pa	anels				_
	<b>BALLAST</b>	Depth:		Ballast	Conditior	n Rating	: 7	_			
		Notes:	Not inspec	cted, covere	d with cro	ssing pa	anels				
	DECK PLANKS	Type:		_	Condition	n Rating	:	Notes:			
	<u>OTHER</u>	Type:		_	Condition	n Rating					
SUPERS ⁻	TRUCTURE										
	Visual Condition	n Rating	5								
	Туре:	-	Number ba	arrels		Ro	ound or Rect		Size		
	51		Approx Ln			-	Concrete		Steel		-
		Bridge:	Steel	0		-	Timber		Concrete	60'	
		Type:	Truss			D	eck Girder		Through		-
			Trestle			. –			Girder		
			Num Spar	าร		2	Approx. S	Span Le		30'	-
		Notes:					- built 1969				-
		110100.		001101010		in giraor					-
SUBSTR											
30031K	Visual Condition	n Rating		5							
	Bent:		5	Туре	Con	crete	– Note:	s			
	Abutment:		5	_ Type		crete	-				-
	Wingwalls:		5	_ Type	-	crete					
	Embank		0	_Type	-	crete					
	Footing			_Type	0011	01010					
	Inaccessible ar	eac.		- 1960							-
		643.									-
STREAM	CHANNEL	n Dating	E								
	Visual Condition Stream Depth	•	5 Scour Evid				Moving Water				
	Notes			Jence							-
											_
OVERAL	L RATING										
			Medium P	riority			Low Priority		Х		
	5 ,		-	,			_ ,				





	BRIDO	<b>JE INSPECTIO</b>	N REPORT	CONCRETES	SIRUC	IUKE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	10		Bridge No.	425.15
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Pole		Overall Length:	60'
ENVIRONMENT		GIRDERS			A06 P	ier Sh	naft	5
E01 Scour	5	S01 Girder		5	A07 P	lles		N/A
E02 Channel	5	S02 Bearings	6	5	A08			
E03 Approach		ABUTMENTS			A09			
DECK		A01 East Abu	utment	5	MISC.	OTH	ER	
D01 Rail	5	A02 East Wir	ngwalls	5	M01			
D02 Footwalk	5	A03 West Ab		5	M02			
D03 Handrail	4	A04 West Wi	ngwalls	5	M03			
D04		A05 Pier Cap	)	5	M04			
D05						Overa	all Rating:	5
			COMMEN	rs	<u> </u>			
Reference				Remark				
Handrail					ble brok	ken at	southwest corne	r. See photo
Structure			tie condition is					
Structure	Spall with ex	posed rebar on	n north side of S	Span 2				
Priority			NANCE RECOM	IMENDATION Description	IS			
Priority D03, A	Repair loose	MAINTEN handrail cable			<u>IS</u>			
,	Repair loose				15			
,	Repair loose				<u>IS</u>			
,							PRIORITY	
D03, A	COND	handrail cable						
D03, A 1. Failed (may re-	COND quire bridge out	handrail cable		Description	A. 1		liately	
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo	COND quire bridge out	handrail cable		Description	A. I B. V	Nithin	liately 1 year	
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo until repaired.	COND quire bridge out r operations, bu	handrail cable	nan/Inspector f	Description	A. I B. V C. V	Vithin Nithin	liately 1 year 3 years	
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but	COND quire bridge out r operations, but with exceptions	handrail cable	nan/Inspector fo ay be required.	Description	A. I B. V C. V D. V	Nithin Nithin Nithin	liately 1 year 3 years 5 years	
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i	COND quire bridge out r operations, but with exceptions items such as ( )	handrail cable	nan/Inspector fo ay be required.	Description	A. I B. V C. V D. V E. V	Vithin Vithin Vithin Vithin	liately 1 year 3 years 5 years 10 years	
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i 5. Good with mino	COND quire bridge out r operations, but with exceptions items such as ( )	handrail cable	nan/Inspector fo ay be required.	Description	A. I B. V C. V D. V E. V M. I	Vithin Vithin Vithin Vithin Monito	liately 1 year 3 years 5 years 10 years or, Condition may	/ change &
D03, A D03, A 1. Failed (may re 2. Deficient: OK fo until repaired. 3. Satisfactory but 4. Worker Safety: i	COND quire bridge out r operations, but with exceptions items such as ( I r exceptions	handrail cable	nan/Inspector fo ay be required.	Description	A. I B. V C. V D. V E. V M. I	Vithin Vithin Vithin Vithin Monito	liately 1 year 3 years 5 years 10 years	r change &

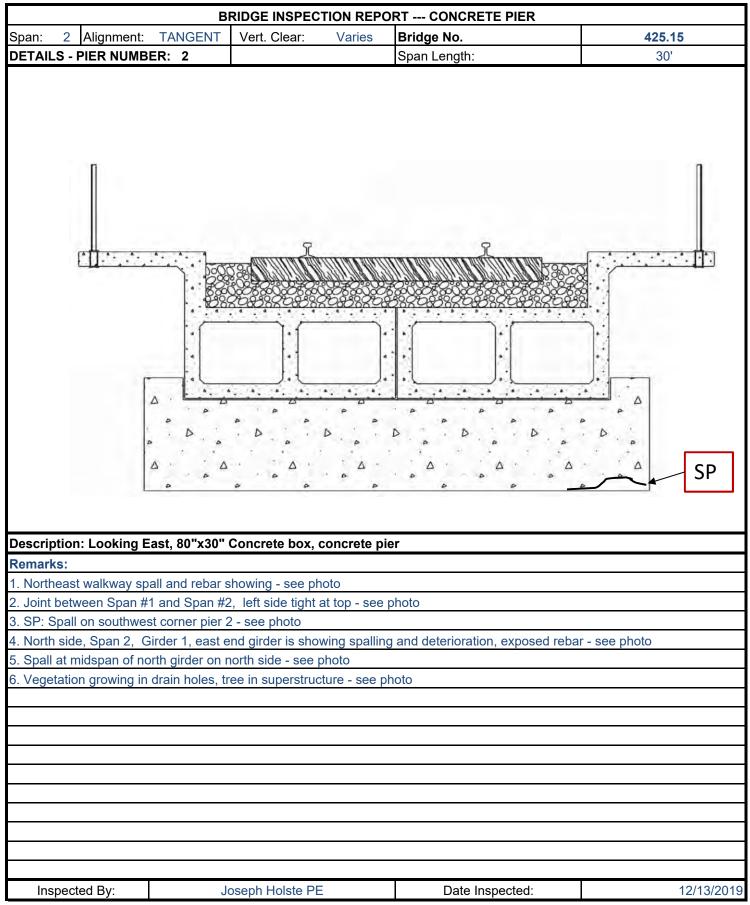




	BRIDO	E INSPECTION REPORT	CONCRETE ABUTMENT	
Span: 1 Alignment:	TANGENT	Vert. Clear: Varies	Bridge No.	425.15
DETAILS - ABUTMENT	NUMBER: 1		Span Length:	30'
Remarks:	Last, 60 x30 C	oncrete box, concrete abu	atment with steer plies	
1. Partially buried on no	rth end			
Inspected By:	Jo	seph Holste PE	Date Inspected:	12/13/2019











		BRIDG	E INSPECTION REPORT	CONCRETE ABUTMENT	
Span:	Alignment:	TANGENT	Vert. Clear: Varies	Bridge No.	425.15
DETAILS -	ABUTMENT	NUMBER: 3		Span Length:	
		A A A A A A A A A A A A A A A A A A A			
Remarks:	I: LOOKING E	asi, concrete a	butment with steel piles		
1. SP - Abu	tment can sn	all			
		r spall at Abutme	ent 3		
2.01 -000		i span at Abutin	Sht O		
Inspect	ted By:	Jos	seph Holste PE	Date Inspected:	12/13/2019



425.15 Looking East



425.15 Looking West



425.15 Looking North



425.15 Looking South



425.15 Cable broken at southwest corner



425.15 Vegetation growing in drain holes



425.15 Spall - Southwest pier 2



425.15 No gap between girders - Pier 2



425.15 Spall with exposed rebar - Span 2 north side



425.15 Spall at midspan - Span 2 north side



425.15 Crack and spall in girder near Abutment 3 north side



425.15 Abutment 3 Cap Spall





				BRIDGE IN	SPECTIC	ON REP	ORT				
							ISPECTION TYP	'E:	An	nual	
	STRUCTURE INFORMATION				INSPECTION INFORMATION					_	
A 41 - 12 - 24		JUKE IN	FURMATI	UN	-						-
Milepost	427.64	1.1.1	-			Date	13-Dec-19			0 AM	-
Location	Santa Paula Bra	anch Line			-		tor Name		oseph Hols		-
	Fillmore, CA						one Number		303-501-1		-
Stream			_Overpass		_Other		Company	/	/ilson & Co	mpany	-
	erating Speed:			Passenger							
DECK			-	of Tks		-	Condition Rating	-	3	-	
	RAIL	Weight:			Jointed	-	Visual Condition	Rating:	3	_	
		Notes:	East and	west approa	ches are	low					_
	TIES	Type:	Timber	Tie	Conditio	n Ratinç	g: <u>3</u>				
		Notes:									
	<b>BALLAST</b>	Depth:		Ballast	Conditio	n Ratinç	g:				-
		Notes:		-				-			
	DECK PLANKS				Conditio	n Rating	g:	Notes:			-
ĺ	OTHER	Type:					g:				-
1	<u> </u>	1960			-	111.0.0.0	J	-			
	TRUCTURE										
SUFLING	Visual Condition	- Doting	5								
		-	5 Number b			Б	an Doot		Sizo		
	Туре:					-	ound or Rect		Size		-
1			Approx Lr	-		-	Concrete		Steel		-
		Bridge:	Steel	15	<u>,'</u>		Timber		Concrete		-
		Type:	Truss			-	Deck Girder		Through		
			Trestle						Girder		_
			Num Spar			1	Approx. S	3pan Ler	ngths	13'-6"	_
		Notes:		Open der	ck steel s	stringer -	- Built 1960				_
SUBSTR	JCTURE										
	Visual Condition	n Rating		3							Ì
	Bent:			Туре			Notes	۶ <u> </u>			_
	Abutment:		3	Туре	Tir	mber	Notes	s	Abut #1 8	k #2	
	Wingwalls:		3	Туре	Tir	nber	Notes	s <u> </u>			
	Embank			Туре			 Notes				-
	Footing			Туре			— Notes	3			-
	Inaccessible are	eas:					_				-
											-
STREAM	CHANNEL										
SIREAW	Visual Condition	n Ratina	3								
	Stream Depth	Traing	Scour Evi	idence			Moving Water				
	Notes	Clear cha	annel of veg								-
			<u> </u>	<u></u>							-
		·		·							- <u></u>
OVERAL	L RATING										
	High Priority		Medium P	² riority		х	Low Priority				
	, ,		•							-	
1											

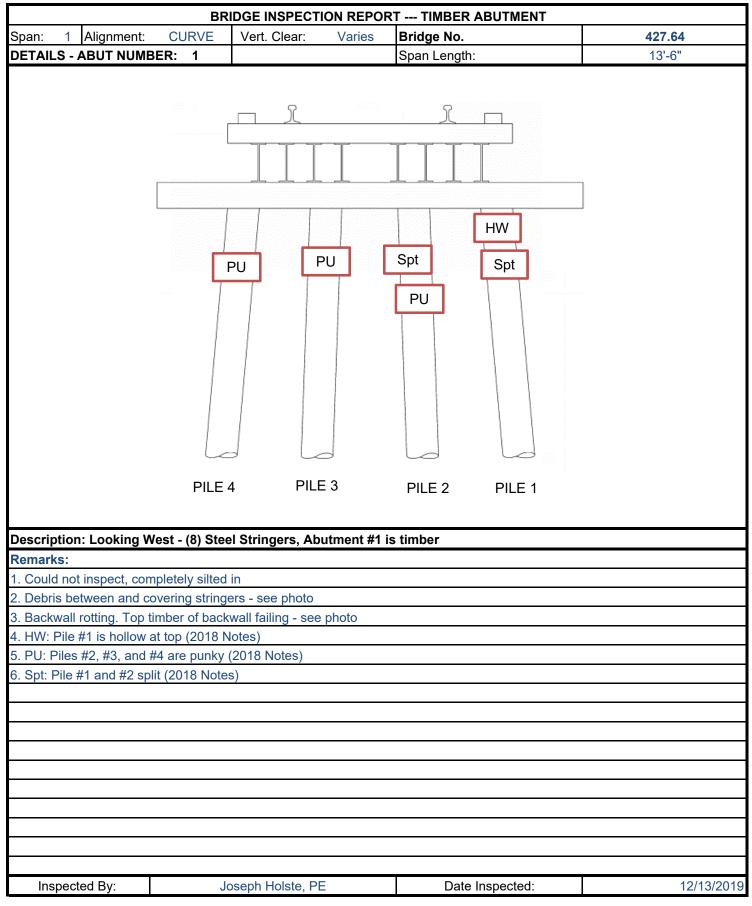




MAINEINE/SOBDIVISI			ON REPORT	- TIMBER ST	RUCTURI			
Spans:	1	Alignment:	Curve	Vert. Clear:	6' +/-	Bridge No.	427.64	
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Drainag	e Overall Length:	15'	
ENVIRONMENT		STRINGERS			B08 Sas	n Brace	N/A	
E01 Scour	5	S01 Stringers				B09 Long Brace		
E02 Channel	3	S02 Line Bolt	S	5	B10 Cap	Long Brace	N/A	
E03 Approach	3	S03 Bearing (	@ Cap	5	B11 Shin		N/A	
DECK		BENTS			MISC. O	THER		
D01 Ties (OD only)	3	B01 West Ab	utment	3	M01			
D02 Ties Spacers	N/A	B02 East Abu	tment	3	M02			
D03 Rail	3	B03 Caps		5	M03			
D04 Ballast Floor	N/A	B04 Piles		3	M04			
D05 Ballast Retainer	N/A	B05 Framed I	Bents	N/A				
D06 Footwalk	N/A	B06 Posts		N/A	Ov	erall Rating:	3	
D07 Handrail	N/A	B07 Cross Br	aces	N/A				
			COMMENT	S				
Reference				Remark				
Rail	Missina J-bo	lt on right side ·	- covered in deb		uld not ve	rifv		
Headwall		5	s of deterioration					
Channel		ilted in, not visi		-				
	- 1 /	,						
	-	MAINTEN	IANCE RECOM		S			
Priority				Description				
A			nd south side of	bridge				
E02, A	Clear channe	el						
E03, B	Raise approa	aches both end	S					
D01, B	Replace ties							
D03	Replace rail	as tonnage dict	ates					
B01, B02, B	Repair back							
S01, A	Clean debris	from stringers						
	COND	TION RATING				PRIORITY		
1. Failed (may requ					A. Imn	nediately		
2. Deficient: OK for			nan/Inspector fo	r all trains	1	nin 1 year		
until repaired.		li equilos r lugi				nin 3 years		
3. Satisfactory but w	vith excentions	Slow order m	av be required		1	nin 5 years		
4. Worker Safety: ite					1	nin 10 years		
5. Good with minor e	,				-	nitor, Condition may	(change 9	
6. New Bridge						e priority	y change &	
7. Not inspected: R	eason stated					be priority		
Inspected. Inspected.			oseph Holste, P	F		ate Inspected:	12/13/201	
inspecie	ч Dy.	J	osepir rioiste, r			ate mapeoleu.	12/10/201	

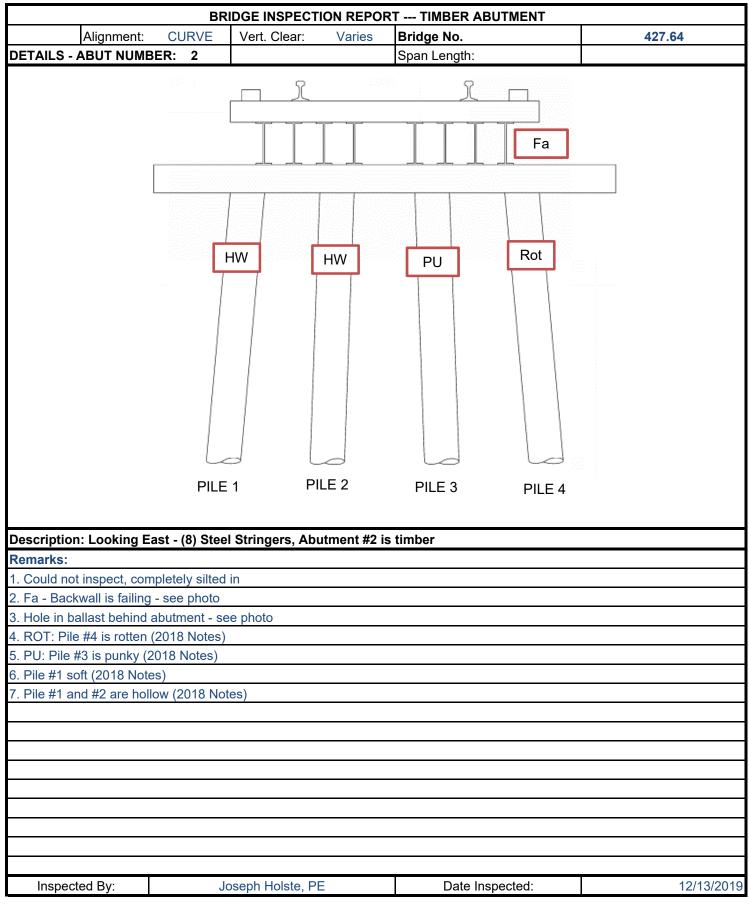














427.64 Looking East



427.64 Looking West



427.64 Looking North



427.64 Looking South



427.64 Downstream channel condition



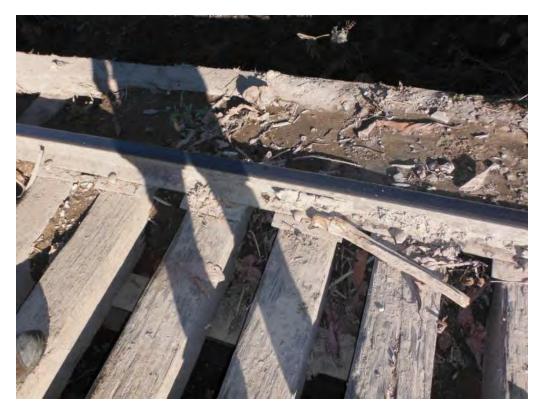
427.64 Upstream channel condition



427.64 Hole in ballast behind Abutment 2



427.64 Backwall rotting – top timber of backwall failing, Abutment 1



427.64 Debris covering stringers



427.64 Debris between stringers



427.64 Backwall failing – Abutment 2





				BRIDGE IN	SPECTIO	ON REPO	ORT				
						INS	SPECTION TYP	PE:	An	nual	
	STRUCTURE INFORMATION				-	INSPECTION INFORMATION					
Milepost	429.79		-			Date	13-Dec-19				_
Location	Santa Paula Br	anch Line			_	-	or Name		oseph Hols		_
	Piru, CA				_	Telepho	one Number		303-501-1	1215	_
Stream	X - Hopper		Overpass		Other	Х	Compan	y <u> </u>	/ilson & Co	mpany	_
	erating Speed:	Freight:	10 mph	Passenger	: 15 mph						
DECK	Туре:	Open	Number o	f Tks	1	Visual C	Condition Rating	I .	5	_	
	RAIL	Weight:	80#	Type:	Jointed	<u> </u>	isual Condition	Rating:	5	_	
		Notes:	Low appro	baches east	and west	t					
	TIES	Type:	Timber	Tie	Conditio	n Rating:	5				
		Notes:									
	<b>BALLAST</b>	Depth:		Ballast	Conditio	n Rating:					
		Notes:		_							
	DECK PLANKS	Type:			Conditio	n Rating:		Notes:			
	OTHER	Туре:									_
					-	0					
SUPERST	TRUCTURE										
	Visual Condition	n Rating	5								
		-	Number b	_ arrels		Ro	und or Rect		Size		
	1990.	ourrort.	Approx Lr			-	Concrete		Steel		_
		Bridge:	Steel	184 184	1'	-	Timber		Concrete		_
		Type:	Truss	10-	Ŧ	ח	eck Girder		Through		-
		rype.	Trestle			- D	eck Olidei		Girder		
			Num Spai			4	Approx.	Spanle		70', 82', 15	5' 17'
		Notes:					and 2 TPG's-B	•	iiguis	70,02,10	5, 17
		Notes.	Opended				Girder only)	01. 1930			
				(inoposito			sinder entry				
SUBSTRI	Visual Condition	n Doting		3							
		пкашу					- Noto	•			
	Bent:			_Type			_ Note				_
	Abutment:			Туре							-
	Wingwalls:			_Туре							
	Embank			_Type 							
	Footing			Туре				s			_
	Inaccessible are	eas:	Inspection	of TPG's or	nly; east t	timber tre	estle silted in				_
STREAM	CHANNEL										
	Visual Condition	-	5	-		•	NA : NA/ /				
	Stream Depth Notes	- 2'	Scour Evi	dence		0	Moving Water		yes		_
	Notes										_
											-
	DATING										
OVERAL	L <b>RATING</b> High Priority		Medium F	Priority			Low Priority		v		
				nonty					Х	-	

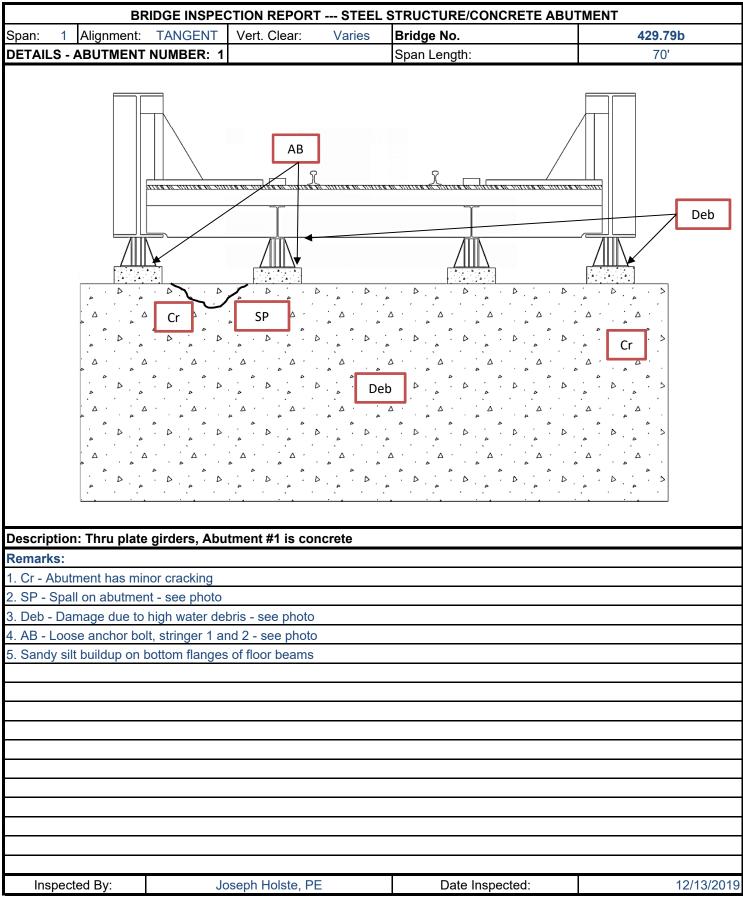




WAINLINE/SUBDIVISIO		DGE INSPECT	ION REPORT	- STEEL STR	UCTURE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	8'	Bridge No.	429.79b	
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Creek	Overall Length:	184'	
ENVIRONMENT					A06 Pier	Shaft	3	
E01 Scour	5	S01 Girder		5	A07			
E02 Channel	5	S02 Top Late	ral Braces	5	A08			
E03 Approach	3	S03 Bottom L	ateral Braces	5	A09			
DECK		S04 Cross Br	aces	5	MISC. OT	HER		
D01 Ties (OD only)	5	S05 Bearings		3	M01			
D02 Ties Spacers	5	ABUTMENTS	<b>3 &amp; PIERS</b>		M02			
D03 Rail	5	A01 East Abu	Itment	3	M03			
D04 Footwalk	5	A02 East Win	gwalls	N/A	M04			
D05 Handrail	N/A	A03 West Ab	utment	3				
D06 Floor Beams	5	A04 West Wir	ngwalls	N/A	Overall Rating: 5			
D07 Ballast Curb	N/A	A05 Pier Cap		5				
			COMMENTS	6				
Reference				Remark				
Braces	North knee brace	s #4, #5, #6 & #7 ha	ave minor impact dam	nage north, Knee b	race #2 with n	ninor impact damage sou	th - see photo	
Walkway			ear pier #2 - see				· ·	
Priority A01, A03, A05, S05, B E03, B/C	Clear abutme Raise both a	ents, center pie	ANCE RECOM	Description				
	CONDI		PRIORITY					
1. Failed ( may requir	e bridge out o	A. Imm	ediately					
2. Deficient: OK for op			in 1 year					
until repaired.	,,	C. Within 3 years						
3. Satisfactory but with	1 exceptions.	1	in 5 years					
4. Worker Safety: item	•	E. Within 10 years						
5. Good with minor ex			nitor, Condition may	change 8				
6. New Bridge	oopuona		e priority	y change &				
7. Not inspected: Rea	son stated				- 1815	e priority		
			oseph Holste, P	E		te Inspected:	12/13/2019	
Inspected	Бу.	J	usepii noisie, P	E	Da	ate Inspected:	12/13/2018	

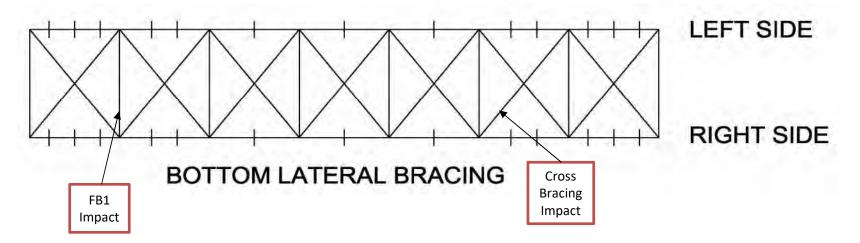


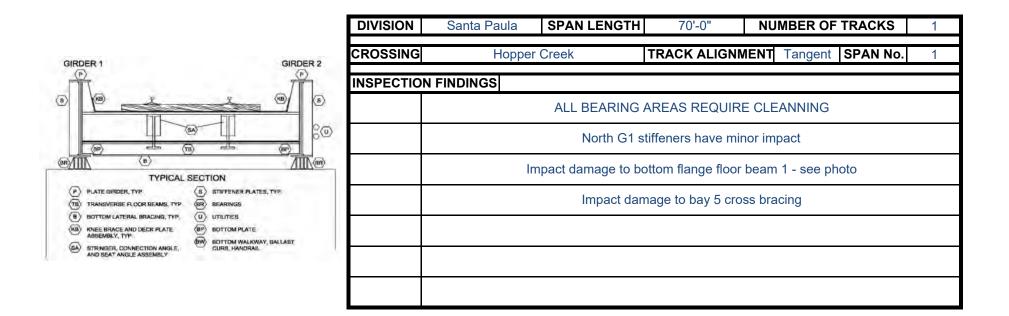












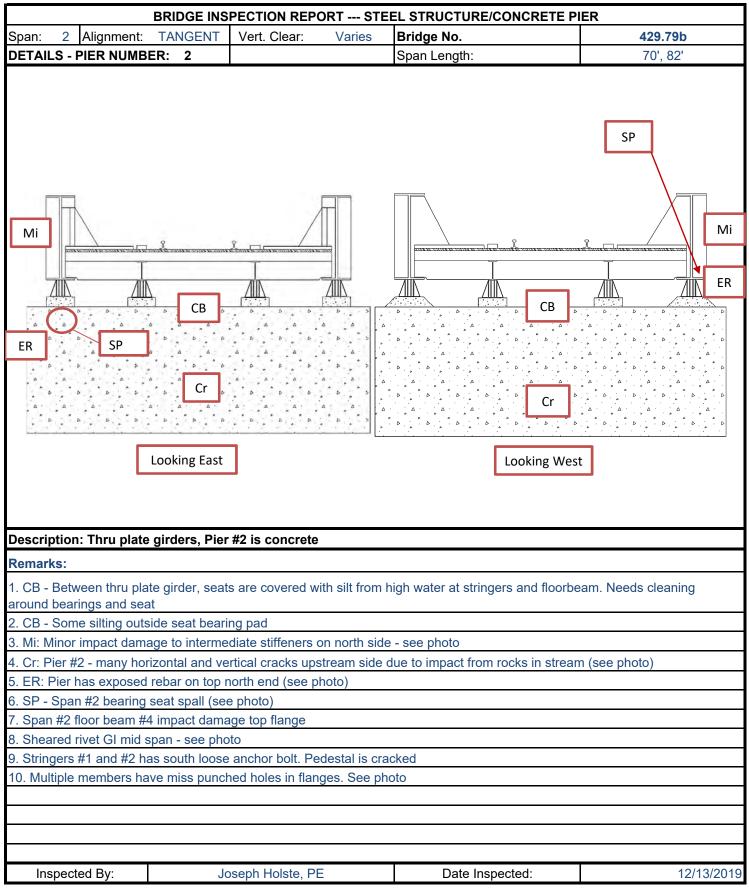
Inspected by: Joseph Holste, PE

Date: 12/13/2019

Bridge Number: 429.79b

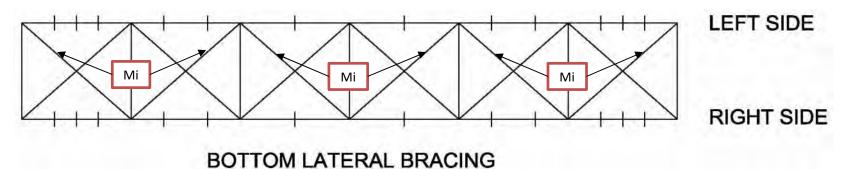


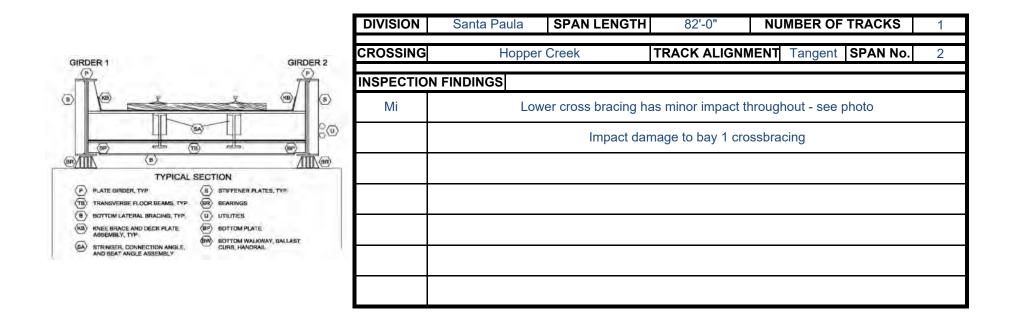












Inspected by: Joseph Holste, PE

Date: 12/13/2019

Bridge Number: 429.79b





BRIDGE INSPECTION REPORT CONCRETE ABUTMENT								
Span:	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.		429.79b	
DETAILS ·	ABUTMENT	NUMBER: 3			Span Length:		82'	
Remarks:	m. Abutment	#3 is concret	e					
	sians of high	water into sup	erstructure					
		able to inspect						
ļ								
Inspe	cted By:	Jo	seph Holste, PE		Date Inspec	ted:	12/13/2019	





MAINEINE/SUBDIVISIO			ION REPORT	- TIMBER ST	RUCTURE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	0 Bridge No.	429.79c	
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Drainage Overall Length:	27'	
ENVIRONMENT		STRINGERS			B08 Sash Brace	7	
E01 Scour	N/A	S01 Stringers		7	B09 Long Brace	7	
E02 Channel	N/A	S02 Line Bolt	S	7	B10 Cap Long Brace	7	
E03 Approach	3	S03 Bearing (	@ Cap	7	B11 Shims	7	
DECK		BENTS			MISC. OTHER		
D01 Ties (OD only)	3	B01 West Ba	ckwall	7	M01		
D02 Ties Spacers	3	B02 East Bac	kwall	7	M02		
D03 Rail	5	B03 Caps		7	M03		
D04 Ballast Floor	N/A	B04 Piles		7	M04		
D05 Ballast Retainer	N/A	B05 Framed I	Bents	7			
D06 Footwalk	N/A	B06 Posts		7	Overall Rating: 7		
D07 Handrail	N/A	B07 Cross Br	aces	7	]]		
			COMMENT	S			
Reference				Remark			
		MAINTEN	ANCE RECOM	MENDATION	S		
Priority				Description			
Phonly	+			Description			
7	Linchic to inc	noot both open	a of open dook	timbor trootlo l	bassues they are completely	ailtad in	
1	Unable to Ins	spect both span	is of open deck		because they are completely	silled in	
	+						
	COND	PRIORITY					
1 Failed (may rem							
<ol> <li>Failed (may required)</li> <li>Deficient: OK for of</li> </ol>		A. Immediately B. Within 1 year					
	perations, put	B. Within 1 year					
until repaired.	ith overstars	C. Within 3 years					
3. Satisfactory but w		D. Within 5 years					
4. Worker Safety: ite		E. Within 10 years					
5. Good with minor e	exceptions	M. Monitor, Condition may	y change &				
6. New Bridge					- raise priority		
7. Not inspected: Re		-				10/10/201	
Inspecte	a By:	J	oseph Holste, F	'E	Date Inspected:	12/13/2019	



429.79 Looking East



429.79 Looking West



429.79 Looking North



429.79 Looking South



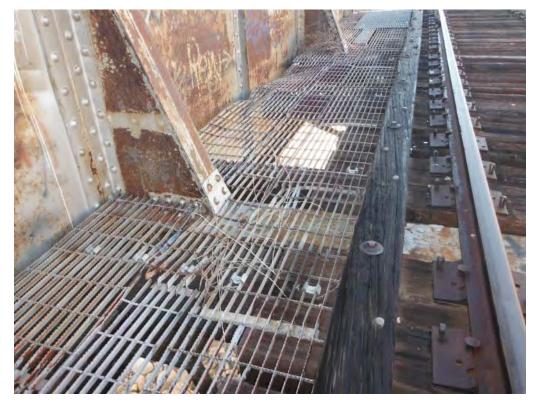
429.79 Channel Condition – Looking Upstream



429.79 Channel Condition – Looking Downstream



429.79 Minor impact damage on knee braces



429.79 South walkway damaged near Pier 2



429.79 Timber approach spans fully silted in



429.79 Spall - Abutment 1



429.79 Loose anchor bolt – Stringer 1 & 2, Abutment 1



429.79 Impact damage to bottom flange floor beam 1 – Span 1



429.79 Multiple stiffeners Impact damage - Span 1 north side



429.79 Typical cracking - Pier 2



429.79 Exposed rebar - Pier 2 north side



429.79 Minor impact damage - Pier 2



429.79 Spalling under bearing - Pier 2



429.79 Spall under bearing – Pier 2



429.79 Seats are covered with silt, Pier 2 Bearing



429.79 Sheared rivet GI mid span, Span 2 at floor beam 3



429.79 Miss punched holes in flanges. Multiple members, Span 2



429.79 Lower cross bracing has minor impact throughout



429.79 Abutment 3 – buried