



				BRIDGE I	INSPECTIO	N REPO	PRT			
						INS	SPECTION TYPE	Ε:	Ann	ual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	407.48					Date	11-Dec-19	Time	8:15	AM
Location	Santa Paula Br	anch Line	=			Inspecto	r Name	Joseph Holste, PE		
	Saticoy, CA						ne Number	303-501-1215		
Stream	X		Overpass				Company Wilson & Com			
Train Ope	erating Speed:	Freight:	- '		er: 15 mph					
DECK	Type:	Open	Number o	f Tks	1	Visual C	ondition Rating		4	
	RAIL	Weight:	132 #	Type:	Welded	V	isual Condition F	Rating:	5	
		Notes:		_						
	<u>TIES</u>	Type:	Timber	Т	ie Conditior	n Rating:	3			
		Notes:	Ties are s					_		
	BALLAST	Depth:	N/A	Balla	st Conditior	n Rating:				
		Notes:		_				_		
	DECK PLANKS	Type:	N/A		Condition	n Rating:		Notes:		
	<u>OTHER</u>	Type:			Conditior	n Rating:		- -		
								_		
SUPERS	TRUCTURE									
	Visual Conditio	n Rating	5							
	Type:	Culvert:	Number b	arrels		Rou	und or Rect		Size	
			Approx Lr	ngth.		(Concrete		Steel	
		Bridge:	Steel				Timber	30'	Concrete	
		Type:	Truss			De	eck Girder		Through	
			Trestle	-		X			Girder	
			Num Spai	ns	4	2	Approx. S	pan Le	ngths	14' 6"
		Notes:		Ope	n Deck Tre	stle - Bui	lt 1947		-	
									<u>-</u>	
SUBSTRI	UCTURE									
	Visual Conditio	n Rating		5	5		-			
	Bent:		5	_Type	Con	crete	Notes			
	Abutment:		5	Туре	Con	crete	Notes			
	Wingwalls:		5	Туре	Tim	nber	Notes			
	Embank			_Type			Notes			
	Footing			_Type			Notes			
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	n Rating	3	_						
	Stream Depth	1"	Scour Evi				Moving Water		yes	
	Notes	3' scour d	lownstrean	n of paven	nent - see p	hoto				
0)/55 * : :	L DATIN'S									
OVERAL	L RATING		Modium	Priority			Low Priority		V	
	High Priority		Medium F	TIOTILY			Low Priority		<u>X</u>	





MAINLINE/SUBDIVIS		GE INSPECTIO	N REPORT	CONCRETE	STRUCTUE	?F	
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	0 0 1		A06 Pier	- J	5
E01 Scour	3	S01 Stringers		5	A07 Piles		N/A
E02 Channel	3	S02 Bearing		5	A08		14/7.1
E03 Approach	5	ABUTMENTS		Ü	A09		
DECK	Ü	A01 East Abu		5	MISC. OT	HER	
D01 Rail	5	A02 East Win		3	M01		
D02 Footwalk	4	A03 West Ab	•	5	M02		
D03 Handrail	4		A04 West Wingwalls		M03		
D04		A05 Pier Cap	-	5	M04		
D05		7.00 1 101 045		Ü	lwo i		
	•				Ove	erall Rating:	4
			COMMENT	 ГЅ	<u> </u>		
Reference				Remark			
Utility	There is a h	nigh pressure ga	s line perpendi	cular to the brid	dge		
Wingwall	Northwest \	wingwall has min	or loss of mate	rial and northe	ast wingwa	Il has erosion - see	photos
Handrail	Loose hand	drail cable on nor					
Walkway	Southeast v	walkway panel h	as deflection da	amage - see pl	notos		
		MAINTEN	IANCE RECON	MENDATION	IS		
B : "							
Priority	.			Description			
A02, A04, B		gwalls to retain b					
E01, E02, M		our after large sto					
D02, D03, B	Repair foot	walk and handra	<u>II </u>				
	CONI	DITION RATING				PRIORITY	
						PRIORITI	
1. Failed (may re					1	ediately	
	or operations, b	ut requires Flagn	nan/Inspector f	or all trains		in 1 year	
until repaired.						in 3 years	
	•	s: Slow order m				in 5 years	
		handrail, footwa	alk, etc.)			in 10 years	
5. Good with mino	r exceptions					itor, Condition may	change &
6. New Bridge					- raise	e priority	
7. Not inspected:							
Inspec	ted By:	J	oseph Holste, I	PÉ	Da	ate Inspected:	12/11/20

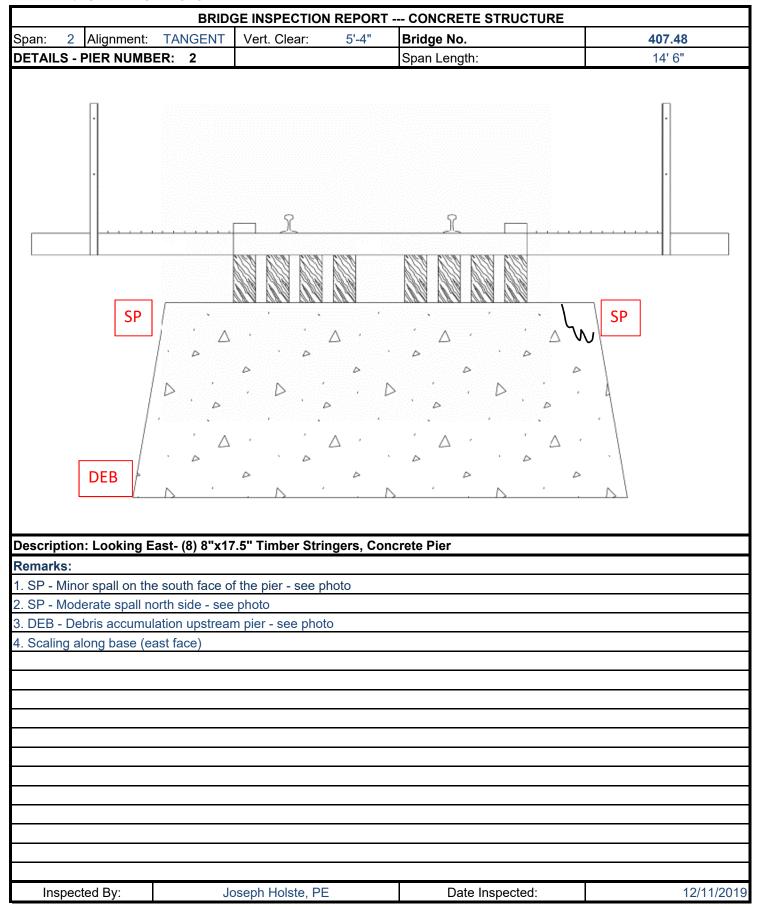




an: 1 Alignment:		Î	EPORT CONCRETE STRUCTURE 5'-4" Bridge No.	407.48
TAILS - ABUTMENT			Span Length:	14' 6"
CR CR				
scription: Looking V marks: CR - Crack in southw North west wingwall u	est wingwall -	see photo	ers, Concrete Abutment	

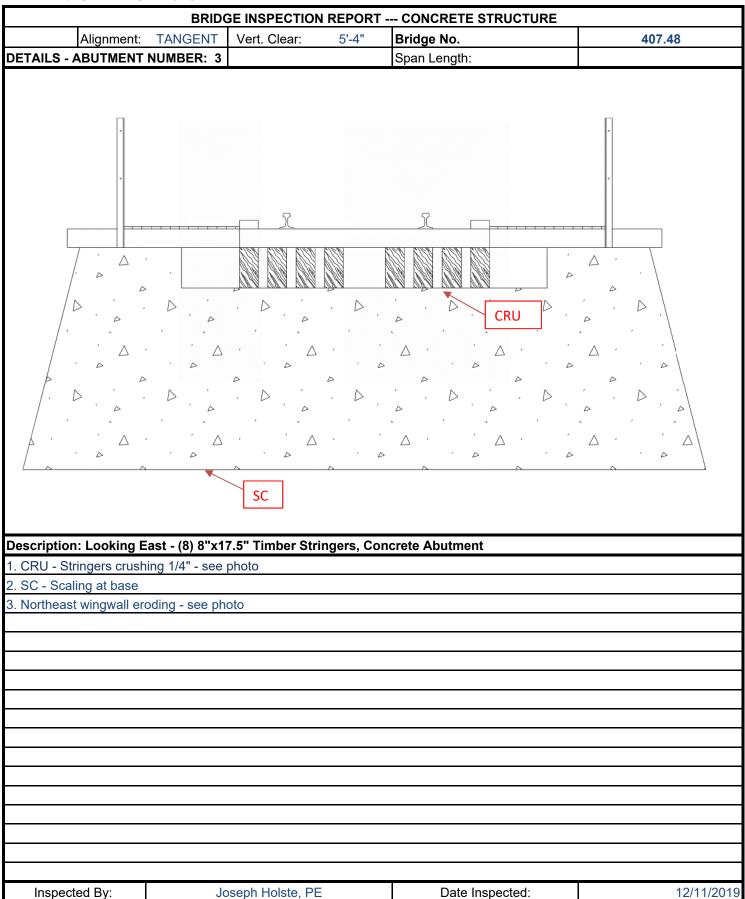














407.48 Looking East



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 $\frac{1}{4}$ " at Abutment 3



407.48 Scaling at Base at Abutment 3



407.48 NE Wingwall Erosion



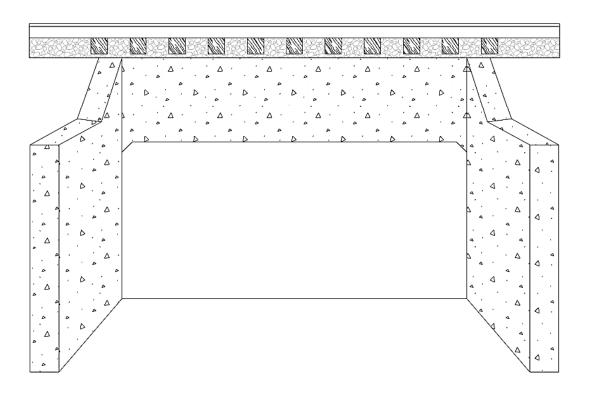


				Culver	t Inspe	ction Fo	rm			
DIVISION		Santa Paula	l	CULVERT N	10. N	IP 408.02	TYPE OF CULVERT	17'x11' CBC		
DD 44404	Comto	Davila	NO. OF		Length of	471		Cations CA		
BRANCH OVERALL RATI	_	Paula	SPANS	1 ATERWAY	Culvert	17' OF TRACKS	LOCATION	Saticoy, CA YEAR BUILT		
OVERALL RATI					NO. V					
	5		DR	AINAGE		1 1984				
ITEM	(GENERAL		CONDITION RATING			REMA	RKS		
1	Action Unde			7	No Trains					
2	Embankmer			5						
3	Track Over	Culvert		5	Approaches	slightly low				
	STREAM CONDITIONS									
4	Alignment			5						
5	Channel			5	Fenced cond	crete channel				
6	Paving Thro	ough Culvert		5		·				
7	Rip Rap			N/A			·			
8	Sheet Piling	Protection		N/A						
9	Cleanliness			CLEAN						
	l N	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 Wa	lls		5						
19	Pointing			N/A						
20	Cradles			N/A						
21	Previous Gu	unite		N/A						
22	Slab			5						
23	Pipes-Metal			N/A						
		cking at abuti								
		llast across o								
Remarks:		ally covered a		or condition nts (East and V	Vest)					
				underside of						
						DE FAILURE, BACKV	VATER OR OBSTRI	ICTION		
				RATINGS	o	ZE I / IIEONE, DAONY		PRIORITY		
1. Failed	(may requir	re bridge out					A. Immed			
				s Flagman/Ins	pector for al	l trains	B. Within			
	epaired.			- 1g				3 years		
		h exceptions	: Slow o	rder may be re	equired.		_	5 years		
				footwalk, etc.)	•			10 years		
	with minor ex							, Condition may		
6. New E							change	& raise priority		
7. Not in:	spected: Rea	ason stated								
TYPE OF CULV	/ERTS:	PIPE -	CAST IRO	N	ARCH -	STONE	BOX - S	STONE		
			STEEL			CONCRETE	C	CONCRETE		
			CONCRET	E		BRICK	F	RAIL TOP		
Insp	ector:	Jose	ph Holst	e, PE	Date	Inspected:		12/11/2019		
	1			-		•		· ·		





	CULVERT INSPECTION REPORT								
Span:	1	Waterway	DRAINAGE	Type of Culvert	17'x11' CBC	Bridge No.	MP 408.02		
DETAILS - ABUT NUMBER: 1 & 2						Length of Culvert:	17'		



Description: 17'x11' Concrete Box Culvert

Remarks:

- 1. East and west approaches are slightly low
- 2. Rail was reduced from 132 lb to 90 lb and has comp joints on the west end
- 3. Rail back to 132 lb east of the structure
- 4. 16'-1" is span length
- 5. Gas line crossing 40' East of Bridge
- 6. Erosion at NE embankment. See photo
- 7. Scaling at base of abutment #1. See photo
- 8. Spall NE wingwall. See photo
- 9. Hairline cracking underside of top slab on Southside. See photo

Inspected By: Joseph Holste, PE Date Inspected: 12/11/2019



408.02 Looking East



408.02 Looking West



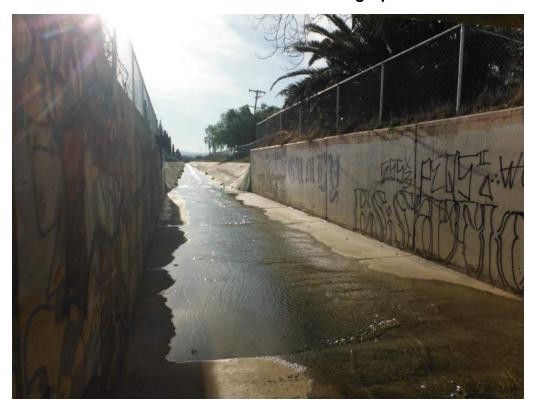
408.02 Looking North



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 I	NSPECTIO	ON REPO	ORT			
						INS	SPECTION TYP	E:	Annual	
	STRU	ICTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	408.84					Date		Time	9:10AM	
Location	Santa Paula B	ranch Line	-			Inspecto			oseph Holste, PE	
	Saticoy, CA					-	ne Number	303-501-1215		
Stream	X (Ellsworth E	Barranca)	Overpass		— Other	•		W	/ilson & Company	
	erating Speed:		-		er: 15 mph		- ' '	-	, ,	
DECK	Type: Ballast 8		Number o		1	Visual C	Condition Rating		3	
	RAIL	Weight:	-	Type:	Jointed	-	isual Condition I	Rating:	3	
		Notes:			v & slight h	•	misalignment at			
	TIES	Type:	Timber		e Conditio					_
		Notes:		_		Ū		_		
	BALLAST	Depth:	16 in	Ballas	st Condition	n Rating:	3			_
		Notes:	Ballast in	_ spans 1,2,4		•		_		
	DECK PLANKS	Type:	Timber	•	Conditio	n Rating:	3	Notes:		
	OTHER	Type:		_	Conditio	_				_
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	Culvert:	Number b	arrels		Ro	und or Rect		Size	
	, ·		Approx Lr	nath.		<u>.</u> (Concrete		Steel	
		Bridge:	Steel	_	58'	-	Timber	43'	Concrete	
		Type:	Truss			De	eck Girder	X	Through	
		. , , ,	Trestle			X			Girder	
			Num Spai	ns		5	Approx. S	pan Lei		 8'.6'.15'2"
		Notes:	•		-		ck Timber Trestle			- / / -
SUBSTR	UCTURE									
	Visual Condition	n Rating		5						
	Bent:	J	5	Туре	St	eel	- Notes			
	Abutment:		5	 Туре	St	eel	- Notes			
	Wingwalls:		3	Туре	Tin	nber	- Notes		Abut 1 wall failing	
	Embank			Туре			Notes		-	
	Footing			Туре			Notes			
	Inaccessible a	reas:					_			
										_
STREAM	CHANNEL									
OTT CAM	Visual Condition	n Rating	3							
	Stream Depth	0	Scour Evi	dence	<u>y</u>	es	Moving Water		yes	
	Notes		oding back	wall of abut	tment 1 an	d gabion	wall at east side	is unde	ermined north of	<u> </u>
		pier 3								
OVERAL	L RATING									
	High Priority		_Medium F	Priority			Low Priority		X	





	BRID	GE INSPECT	ION REPORT -	TIMBER ST	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 Shim		N/A
DECK		BENTS	<u> </u>		MISC. OT		
D01 Ties (OD only)		B01 West Ba	ckwall	3	M01		
D02 Ties Spacers	N/A	B02 East Bac	kwall	N/A	M02		
D03 Rail	3	B03 Steel Ca	ps	5	M03		
D04 Ballast Floor	3	B04 Steel Pile		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	1		-
	•		COMMENT		JI		
Deference	<u> </u>		COMMENT				
Reference	NI Ale Sel Is	44 la la - !!		Remark	-11		
Handrail						over entire bridge	
Walkway			ent run over gr	ating and is cal	using trippi	ng nazard	
Other	There is a be	e hive at Abutr	ment 1.				
	•	MAINTEN	IANCE RECO	MENDATION	S		
Priority				Description			
A	Pomovo vogo	etation under a	II anana	Description			
			pefore next rain	V 000000			
B01, E01, A	•			•	1		
D04, M			nitored for dete	erioration - Rep	lace as ne	cessary	
E03, B		ches on both e	ends				
D06, A	Replace walk						
D07, A	Repair handr	ail cable					
	1						
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ	uire bridge out (of service)			A. Imm	ediately	
Deficient: OK for a			nan/Inchaeter f	or all trains	1	in 1 year	
until repaired.	pperations, but	requires Flagi	nan/mspecior n	Ji ali lialiis		iin 3 years	
•	:414:	Class and an ma				•	
3. Satisfactory but w	•				1	in 5 years	
4. Worker Safety: ite	,	andrali, footwa	aik, eic.)			in 10 years	
5. Good with minor e	exceptions					nitor, Condition ma	y change &
6. New Bridge					- rais	e priority	
7. Not inspected: Re		1				-	
Inspecte	d By:	J	oseph Holste, I	PE	Da	ate Inspected:	12/11/201





MAINLINE/SUBDIVISION: VCTC			
	BRIDGE INSPECTION RE	PORT STEEL BENT	
pan: 1 Alignment: TANGENT	Vert. Clear: Varies	Bridge No.	408.84a
ETAILS - ABUT NUMBER: 1		Span Length:	14' 10"
		Rot	

Description: Looking West - (8) Stringers 8"x1'5", (2) 3.75"x16.5" Exterior Stringers, Steel Cap with H14x89 Piles

PILE 2

PILE 1

Date Inspected:

12/11/2019

Remarks:

Inspected By:

1. Rot - Backwall is rotted out, leaning, and failing, material loss at bottom - see photo

Joseph Holste, PE

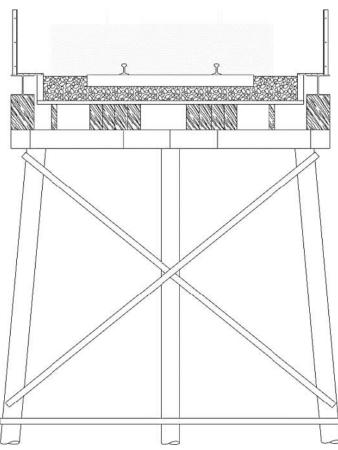
PILE 3

- 2. S Scour on North side of abutment see photo
- 3. Erosion present at Northwest embankment.





BRIDGE INSPECTION REPORT STEEL BENT									
Span:	2 Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84a			
DETAIL	LS - BENT NUME	BER: 2			Span Length:	7'-0"			
		П	=		П	•			
		ŀ			•				



Description: Looking East - (8) Stringers 8"x1'5", (2) 3.75"x16.5" Exterior Stringers, Steel Cap with H14x89 Piles

Remarks:

1. Short retaining gabion wall 3' high at channel edge
2. Top of built up bent slighted rotated - see photo





MAINLINE/SUBDIVIS		DGE INSPECT	ION REPORT -	STEEL STR	RUCTURE		
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		5	A09		
DECK		S04 Cross Br		5	MISC. OT	HER	
D01 Ties (OD only)	5	S05 Bearings		5	M01		
D02 Ties Spacers	5	ABUTMENTS			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 Abi		N/A	Overall Rating:		
D06 Floor Beams	5	A04 West Wir	ngwalls	N/A			5
D07 Ballast Curb	N/A	A05 Pier Cap		5	1	_	
	•	-	COMMENT	<u> </u>			
Reference	1		COMMENT	Remark			
Girder	Daint failure	and surface rus	<u>.</u>	Nemaik			
Channel							
<u>Cnannel</u> Girder		ation under brider at top of girder	•				
				. h. animar ana	inat the end		
Girder	No gap betwee	en spans. The tir	nber stringers are	bearing up aga	ainst the end	s of the deck plate gi	rder.
		MAINTEN	ANCE RECOM	MENDATION	S		
Priority				Description			
D05, A	Repair walkw	/av		Becompacin			
D05, A	Repair handr	•					
E02, B		ation under brid	dae				
E01, B		mining at pier (
LOT, D	rtepair under	mining at pior t	<u> </u>				
	+						
	+						
	CONDI	TION RATING				PRIORITY	
1. Failed (may red	· · · · · · · · · · · · · · · · · · ·	of service)		A. Imme	ediately		
					1	•	
2. Deficient: OK for	r operations, but		nan/Inspector fo	r all trains	B. Withi	n 1 year	
until repaired.	·	requires Flagn		r all trains	B. Withi	n 1 year n 3 years	
until repaired. 3. Satisfactory but	with exceptions:	requires Flagn	ay be required.	r all trains	B. Withi C. Withi D. Withi	n 1 year n 3 years n 5 years	
until repaired. 3. Satisfactory but 4. Worker Safety: i	with exceptions: items such as (h	requires Flagn	ay be required.	r all trains	B. Withi C. Withi D. Withi	n 1 year n 3 years	
until repaired. 3. Satisfactory but 4. Worker Safety: i	with exceptions: items such as (h	requires Flagn	ay be required.	r all trains	B. Withi C. Withi D. Withi E. Withi	n 1 year n 3 years n 5 years	change &
until repaired. 3. Satisfactory but 4. Worker Safety: i 5. Good with minor 6. New Bridge	with exceptions: items such as (h	requires Flagn	ay be required.	r all trains	B. Withi C. Withi D. Withi E. Withi M. Mon	n 1 year n 3 years n 5 years n 10 years	change &
until repaired. 3. Satisfactory but 4. Worker Safety: i 5. Good with minor	with exceptions: items such as (h	requires Flagn	ay be required.	r all trains	B. Withi C. Withi D. Withi E. Withi M. Mon	n 1 year n 3 years n 5 years n 10 years itor, Condition may	change &



Inspected By:

Joseph Holste, PE

Date Inspected:

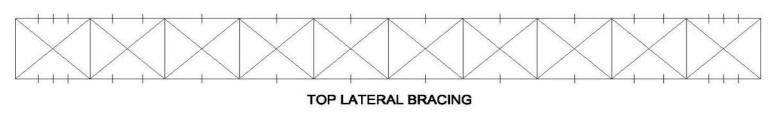
12/11/2019

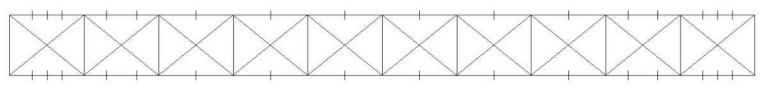


	0 Ali	TANIOENIT			PORT STEEL BENT	400.041-
an:	3 Alignment: S - BENT NUM		Vert. Clear:	Varies	Bridge No. Span Length:	408.84b 58'
	tion: Looking	Nest/East Ro		eel Built-up	Cap with H14x89 Piles, Plate	s Welded to Piles at Bas
mark			-	-		
Gabio	n undermined -	north side - s	see photo			

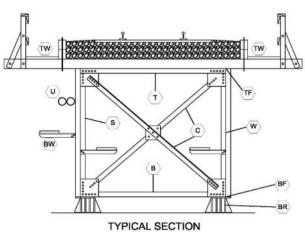








BOTTOM LATERAL BRACING



T >	TOP LATERAL BRACING, TYP.	

- (c) CROSS-FRAME, TYP.
- BOTTOM LATERAL BRACING, TYP.
- S GIRDER STIFFENER, TYP. GIRDER TOP FLANGE, TYP.
- GIRDER BOTTOM FLANGE, TYP.

	TF
/	C W
	BF
ECT	TION
(w)	GIRDER WEB, TYP.
BR	BEARINGS
(U)	UTILITIES
īw	TOP WALKWAY, BALLAST CURB, HANDRAIL
BW	BOTTOM WALKWAY, BALLAST CURB, HANDRAIL

DIVISION	Santa Paula Branch	SPAN LENGTH	58'	NUMBER OF TRACKS	1
CROSSING	Ellsworth B	arranca	TRACK ALIGN	MENT TANGENT SPAN No.	3
INSPECTIO	N FINDINGS				
		Paint Fa	ailure and surface	e rust	

Inspected by: Joseph Holste, PE Date: 12/11/2019 Bridge Number: 408.84b





	1	1	ION REPORT				
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	n Brace	5
E01 Scour	3	S01 Stringers	5	5	B09 Long	g Brace	N/A
E02 Channel	3	S02 Line Bolt	is	N/A	B10 Cap	Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shin		N/A
DECK		BENTS			MISC. O	ΓHER	
D01 Ties (OD only)		B01 West Ba	ckwall	N/A	M01		
D02 Ties Spacers	N/A	B02 East Bac	ckwall	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	Bents	N/A			
D06 Footwalk	4	B06 Posts		N/A	Ov	erall Rating:	4
D07 Handrail	4	B07 Cross Br	aces	5	1		
		-1-	COMMEN		-1-		
Deference			COMMEN	Remark			
Reference	1 6 1 1 1	1 1 2				0 1 2 1	
Handrail				_		ver entire bridge	
Walkway	Appears to h	ave had equim	ent run over gr	ating and is cal	using tripp	ng hazard	
	+						
		MAINTEN	NANCE RECO	MENDATION	<u>s</u>		
Priority				Description			
E02, A	Remove veg	etation under a	ıll spans	•			
B02, E01, A			before next rain	v season			
D04, M	-		onitored for dete	,	lace as ne	cessary	
E03, B		ches on both		moration resp	1400 40 110	- Coccary	
D06, A	Replace walk		SHUS				
D07, A	Repair handr	•					
D07, A	Repail Hariui	all cable					
	1						
	+						
	CONDI	TION RATING	<u> </u>		T	DDIODITY	
	СОИД	HON RATING	<u> </u>		1	PRIORITY	
1. Failed (may requ	uire bridge out	of service)			A. Imm	nediately	
2. Deficient: OK for	operations, but	requires Flagr	man/Inspector f	or all trains	B. With	nin 1 year	
until repaired.			•			nin 3 years	
Satisfactory but w	vith exceptions:	Slow order m	ay be required.			nin 5 years	
4. Worker Safety: ite					1	nin 10 years	
5. Good with minor		,	,,			nitor, Condition ma	v change &
6. New Bridge						e priority	y ondinge of
7. Not inspected: R	eason stated				Tale	- priority	
Inspected			loseph Holste,	oF .	n	ate Inspected:	12/11/201
шэреске	.ч Бу.	J	resepti i loiste, i	_		ato mopootou.	12/11/201





Inspected By:

Joseph Holste, PE

., MINEINE	SUBDIVISIO		BRIDGE INSPE	CTION RE	PORT STEEL BENT	
pan: 4	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84c
	- BENT NUME	BER: 4			Span Length:	6' 0"
escriptio	on: Looking V			el Built-up	Cap with H14x89 Piles, Pla	ates Welded to Piles at Base
emarks:						
. Top of b	ouilt-up bent is	slightly rotated	d - see photo			
_						

Date Inspected:

12/11/2019



Inspected By:

Joseph Holste, PE



Span: 5 Alignment: TANGENT Vert. Clear: Varies Bridge No. 408.84c DETAILS - BENT NUMBER: 5 Span Length: 15° 2° Description: Looking East - (8) Stringers 8"x1'5", (2) 3.75"x16.5" Exterior Stringers, Steel Cap with H14x89 Piles		T				PORT STEEL BENT	
	Span: 5	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84c
	DETAILS -	BENT NUME	BER: 5			Span Length:	15' 2"
Description. Looking East - (a) Suringers of X1 3 , (2) 3.73 X10.3 Exterior Suringers, Steel Cap With 111-X001 nes	Description	n: Looking E	act (8) Strin		75"v16		I Can with U14v89 Pilos
	-		, ,				•
							

Date Inspected:

12/11/2019





Inspected By:

	1		IDGE INSPEC		ORT STEEL ABUTMENT	
	Alignment:		Vert. Clear:	Varies	Bridge No.	408.84c
TAILS	- ABUT NUME	BER: 6			Span Length:	
		П			П	
					i	
		1			•	
		<u> -</u>		<u>i</u>	l l	
		[55		<u> </u>		
				7/3/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/		
		L	<u> </u>			
		J				
			1			
			1			
		-				
		ما		L	لها الها	
escription	on: Lookina E	ast - Steel Ca	ap with H14x8	9 Piles		
emarks:						
	nt timbers rott	en - see photo)	,		
	ining Southea					
. Erosion	at the Southe	ast slope behi	nd the wingwal	I - see photo		

Date Inspected:

12/11/2019

Joseph Holste, PE



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 I	NSPECTIC	N REPC	RT			
						INS	SPECTION TYP	E:	Ann	ual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	409.74					Date	11-Dec-19	Time	10:10	AM
Location	Santa Paula Br	anch Line	_			Inspecto	r Name	-	oseph Holste	
	Saticoy, CA						ne Number		303-501-12	
Stream	X (Drainage (Channel)	Overpass		Other	•			/ilson & Com	
	erating Speed:									<u></u>
DECK						Visual C	ondition Rating		5	
	RAIL		132 #		Jointed		isual Condition I	Rating:		
	<u>10 (12</u>	Notes:		_	st and west		ioddi Goridillori i	tuting.		
	TIES	Type:	Timber		e Condition		5			
	IILO	Notes:	Timber	_ '''	C Condition	rraung.		_		
	BALLAST	Depth:	14 in	Ballas	st Condition	n Rating:	3			
		Notes:	Fouled ba	llast		-				
	DECK PLANKS	Type:	Timber		Condition	n Rating:	5	Notes:		
	OTHER	Type:								
SUPERS [*]	TRUCTURE									
	Visual Conditio	n Rating	5	_						
	Type:	Culvert:	Number b	arrels		Rou	und or Rect		Size	
			Approx Lr	ngth.		C	Concrete		Steel	
		Bridge:	Steel				Timber	16'	Concrete	
		Type:	Truss			De	eck Girder		Through	
			Trestle			X			Girder	
			Num Spar	าร		1	Approx. S	pan Le	ngths	16'
		Notes:		Ballas	st Deck Tre	estle - Bu			_	
SUBSTRI	-									
	Visual Conditio	n Rating		5			-			
	Bent:			_Type			Notes			
	Abutment:		5	Туре	Con	crete	Notes			
	Wingwalls:			Туре			Notes			
	Embank			Туре			Notes			
	Footing			_Туре			Notes			
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	•	5	.						
	Stream Depth	1"		dence			Moving Water		yes	
	Notes	Concrete	v-aiten							
OVERAL	L RATING									
VLINAL	High Priority		Medium P	riority			Low Priority		Χ	
	J		-	-,						





WAINLINE/OUDDIVION		CE INSPECT	ION REPORT	TIMBED CT	DUCTUBE		
Spans:		Alignment:	Tangent	Vert. Clear:	5'	Bridge No.	409.74
No. of Tks:	1	Deck Type:	Ballast	Br. Over:		Overall Length:	16'
ENVIRONMENT	I	STRINGERS		BI. Over.	B08 Sash		_
					7		N/A
E01 Scour	5	S01 Stringers		5	B09 Long		N/A
E02 Channel	5	S02 Line Bolt		N/A		Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim		N/A
DECK	21/2	BENTS		_	MISC. OT		
D01 Ties (OD only)	N/A	B01 West Ba		5	M01 Appr	oches	
D02 Ties Spacers	N/A	B02 East Bac	ckwall	5	M02		
D03 Rail	5	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A	M04		
D05 Ballast Retainer	5	B05 Framed	Bents	N/A	_		_
D06 Footwalk	5	B06 Posts		N/A	Ove	erall Rating:	5
D07 Handrail	5	B07 Cross Br	aces	N/A			
			COMMENT	S			
Reference				Remark			
BEES	Bees have ma	ade a hive in e	east backwall				
	<u> </u>	MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
E03, B	Replace balla						
Α	REMOVE BE						
E03, B	Raise approa	ches					
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ	ire bridge out a	of service \			A. Imm	ediately	
Deficient: OK for a			nan/Inspector fo	r all trains		in 1 year	
until repaired.	peranons, but	roquires Flagi	παπ/πιομεσιοί Το	ı an uanıə		in 3 years	
Satisfactory but w	ith exceptions:	Slow order m	ay he required			in 5 years	
					1	•	
4. Worker Safety: ite		anuran, 100tWa	ain, etc.)		†	in 10 years	
5. Good with minor e	exceptions					itor, Condition ma	y cnange &
6. New Bridge	2000 ststl				- raise	e priority	
7. Not inspected: Re					_	.t. 1 ()	40/44/00/10
Inspecte	a By:	J	loseph Holste, F	<u>'</u>	Da	ate Inspected:	12/11/2019

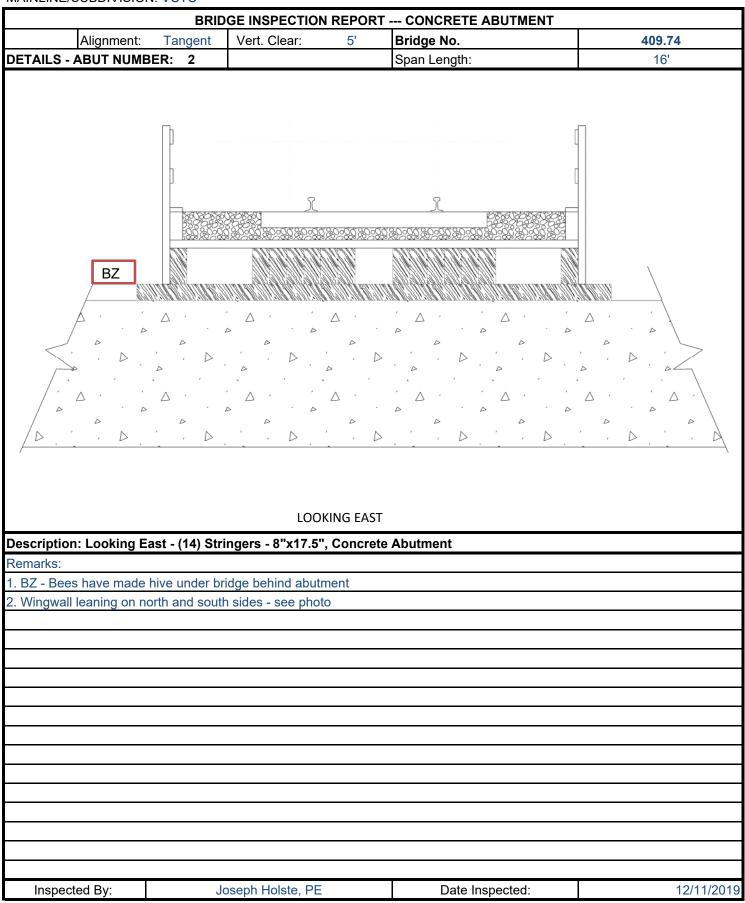




Span: 1 Alignment: Tangent Vert. Clear: 5' Bridge No. 409.74 DETAILS - ABUT NUMBER: 1 Span Length: 16' LOCKING WEST LOCKING WE	<u>, , , , , , , , , , , , , , , , , , , </u>				T CONCRETE ABUTMENT	400 = 4
LOOKING WEST **Lescription: Looking West - (14) Stringers - 8"x17.5", Concrete Abutment **Lemarks: SP- Stringers 6, 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo			Vert. Clear:	5'		
LOOKING WEST escription: Looking West - (14) Stringers - 8"x17.5", Concrete Abutment emarks: SP- Stringers 6, 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo	ETAILS - ABUT NUM	BER: 1			Span Length:	16'
Description: Looking West - (14) Stringers - 8"x17.5", Concrete Abutment Remarks: SP- Stringers 6 , 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo			Δ	Δ .		
escription: Looking West - (14) Stringers - 8"x17.5", Concrete Abutment emarks: SP- Stringers 6 , 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo			LOOKI	NG WEST		
Remarks: SP- Stringers 6 , 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo	Accorintion: Looking V	Most (14) Str			to Abutment	
SP- Stringers 6 , 7, and 13 split - see photo IM- Impact damage on stringer 1 and 8 - see photo Wingwall leaning on south side, erosion behind wingwall - see photo		vvest - (14) Sti	ingers - 6 x17.5	, Concre	te Abutinent	
. Wingwall leaning on south side, erosion behind wingwall - see photo		nd 13 split - se	e photo			
Wingwall leaning on south side, erosion behind wingwall - see photo						
				vall - see	photo	
Inspected Day Jacob Halter DE Day Jacob Halter DE	villgwall loanling on c		sion somma wingw	van coo		
Increased Day Jacob Heleste DE Delivery						
Increased Day Joseph Heliste DE Delist Del						
Increased Day Joseph Heliste DE December 1997						
Increased Day						
Increased Day Joseph Heliste DE Delist Del						
Increased Day Increase DE Day 11						
Inspected Day						
Inspected Division Individual DE Individual						
Inspected Disc.						
Inspected By: Joseph Hoiste, PE Date Inspected: 12/2	Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/11/20









409.74 Looking East



409.74 Looking West



409.74 Looking North



409.74 Looking South



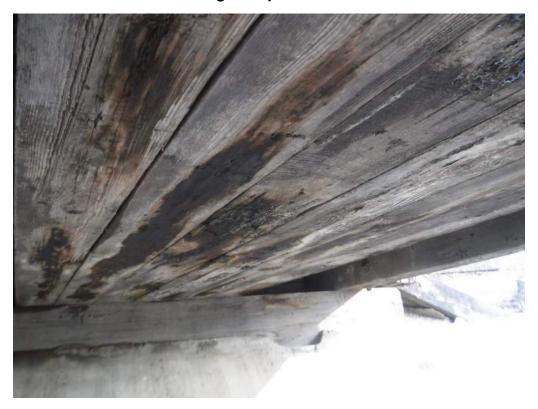
409.74 Stringer 1 impact damage



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 I	INSPECTIO	N REPO	ORT			
						INS	SPECTION TYPE	Ε:	Ann	ual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	410.40					Date	11-Dec-19	Time	10:20) AM
Location	Santa Paula Br	ranch Line	=				or Name	-	oseph Holst	
	Saticoy, CA						ne Number		303-501-12	
Stream	X (Todd's Ba	arranca)	Overpass		Other	'			/ilson & Cor	
	erating Speed:		_							<u></u>
DECK	Type:					Visual C	Condition Rating		5	
	RAIL	Weight:	112 #		Jointed)	isual Condition F	Rating:		
	10 112	Notes:		_	east and we)	iodai Gorianion i	tuting.		
	TIES	Type:	Timber				5			
	1120	Notes:	Timber	_ ''	ic condition	rrtating.	0	-		
	BALLAST	Depth:	N/A	Balla	st Condition	n Rating:		_		
		Notes:		_				_		
	DECK PLANKS	Type:	N/A		Condition	n Rating:		Notes:		
	OTHER	Type:		_						
SUPERS'	TRUCTURE									
	Visual Conditio	n Rating	5	<u> </u>						
	Type:	Culvert:	Number b	arrels		Roi	und or Rect		Size	
			Approx Lr	ngth.		(Concrete		Steel	
		Bridge:	Steel		X		Timber		Concrete	
		Type:	Truss			De	eck Girder	40'	Through	
			Trestle	-					Girder	
			Num Spai	าร		2	Approx. S	pan Le	ngths	39'
		Notes:	·	Open [Deck Plate	Girder - E	-	•	-	
									· _	
SUBSTR	UCTURE									
	Visual Conditio	n Rating	1	5	5		_			
	Bent:			Type			Notes			
	Abutment:		5	Type	Con	crete	Notes			
	Wingwalls:		5	Туре	Con	crete	Notes			
	Embank			_Type			Notes			
	Footing			Туре			Notes			
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	•	5	_						
	Stream Depth	6"	_Scour Evi		n	10	Moving Water		yes	
	Notes	Major de	bris under l	oridge						
	L DATING									
OVERAL	L RATING High Priority		Medium F	Priority			Low Priority		Y	
	riigii Filonity	-	_ WIEGIUIII F	HOHLY			_ LOW FIIOTILY		X	





	BRI	DGE INSPECT	TION REPORT -	STEEL STR	RUCTURE		
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. 01	HER	
D01 Ties (OD only)	5	S05 Bearings	3	5	M01		
D02 Ties Spacers	5	ABUTMENTS			M02		
D03 Rail	5	A01 East Abu	utment	5	M03		
D04 Footwalk	5	A02 East Wir	ngwalls	5	M04		
D05 Handrail	3	A03 West Ab	utment	5	1		
D06 Floor Beams	5	A04 West Wi		3	Ove	erall Rating:	4
D07 Ballast Curb	N/A	A05 Pier Cap)	5	1	-	
			COMMENT	<u> </u>			
Reference				Remark			
Handrail	Handrail cabl	e loose both s	ides - see photo				
Structure			ced, need more,		ghtened -se	ee photo	
Utility	_		g, North side - ui			•	
Wingwall			r undermined - s				
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
E02, B	Remove veg	etation from un	ider and around		re		
E03, B	Raise approa		idor dire diodire	bridge endeta			
D05, A	Repair handr						
D01, B - J-Bolts			to prevent tie m	ovement			
A04, B			vent further balla				
7.0., 2		g.r.a to pro					
	CONDI	TION RATING	<u> </u>			PRIORITY	
1. Failed (may red	quire bridge out	of service)			A. Imm	ediately	
2. Deficient: OK for	operations, but	requires Flagr	man/Inspector fo	r all trains		in 1 year	
until repaired.					C. With	in 3 years	
3. Satisfactory but	with exceptions:	Slow order m	ay be required.		D. With	in 5 years	
4. Worker Safety: it	tems such as (h	andrail, footwa	alk, etc.)	-	E. With	in 10 years	
5. Good with minor	exceptions				M. Mor	nitor, Condition ma	y change &
6. New Bridge						e priority	
7. Not inspected: F	Reason stated						
Inspect	ed By:	J	loseph Holste, P	Έ	Da	ate Inspected:	12/11/2019

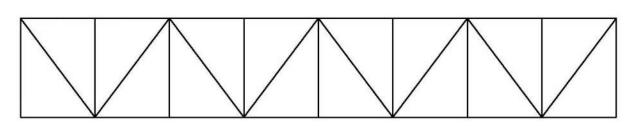




pan: 1 Alignment:		TION REPORT	STEEL S	TRUCTURE/CONCRETE A	BUTMENT
		Vert. Clear:	5'-10"	Bridge No.	410.40
ETAILS - ABUTMEN	T NUMBER: 1			Span Length:	39'
				SP A FL DEB	
rescription: Looking remarks: SP - Minor spalling or UM - Undermining ar	on backwall - see	photo			UM
emarks:	on backwall - see nd scour behind I	photo NW wingwall ups			
emarks: . SP - Minor spalling o . UM - Undermining ar	on backwall - see nd scour behind I es near bearing -	photo NW wingwall ups			
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hold DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo		
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hold DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hole DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	
emarks: SP - Minor spalling o UM - Undermining ar FL - Open flange hold DEB - Debris around Hole in ballast due to	on backwall - see nd scour behind I es near bearing - I bearings - see p o undermining of	photo NW wingwall ups see photo hoto ballast retainer -	tream - see see photo	photo	







LEFT SIDE

RIGHT SIDE

BOTTOM LATERAL BRACING

DIVISION	Santa Paula	SPAN LENGTH	39'	NUMBER OF TRACKS 1	
CROSSING			TRACK ALIG	NMENT TANGENT SPAN No. 1	
INSPECTION	N FINDINGS				
	Deck girder is in fai	r condition with pair	nt failure and si	urface rust - see photo	

Joseph Holste, PE 12/11/2019 Bridge Number: 410.40



Inspected By:



Alignment: TANGENT ILS - ABUTMENT NUMBER: 2	Vert. Clear: 5'-	0" Bridge No. Span Length:	410.40
ILS - ABUTMENT NUMBER: 2		Span Length:	
		opan zongan	
SP SP		DE DE DA	SP SP

Remarks:	
I. SP - Minor spall on backwall - see photo	
2. SP - Minor spall on wingwall - see photos	
B. GR - Broken grout under bearing plates, sections are missing - see photo	
. DEB - Debris around bearings - see photo	
5. Silt accumulation, bottom of flange girder	

Date Inspected:

12/11/2019

Joseph Holste, PE



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



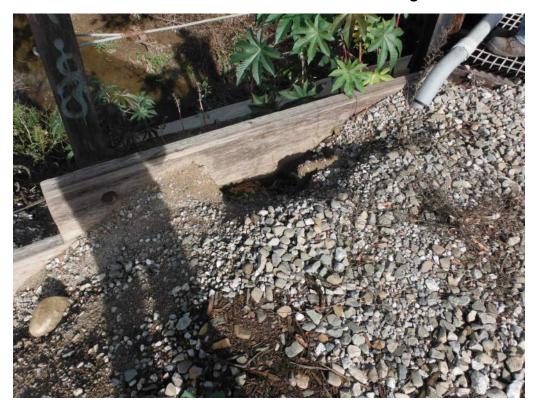
410.40 Loose handrail cables (Typ.)



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 IN	NSPECTION	ON REPO	ORT			
						INS	SPECTION TYP	E:	Anr	nual
	STRU	CTURE IN	NFORMATI	ON			INSPECTIO	N INFO	ORMATION	
Milepost	411.97				_	Date	11-Dec-19	Time	11:00) AM
Location	Santa Paula Bi	ranch Line	-			Inspecto	or Name	<u>-</u> J	loseph Holst	
	Saticoy, CA						ne Number		303-501-1	
Stream	X (Haines Ba	arranca)	Overpass	i	Other			V	Vilson & Cor	mpany
Train Ope	erating Speed:			Passenge	 r: 15 mph		-			
DECK	Type:	Ballast	Number c	of Tks	1	Visual C	Condition Rating		3	
	RAIL	Weight:	80 #	Type:	Jointed		isual Condition I	Rating:	3	
		Notes:			t and west	- t - 1" plus	s. NW rail section	n loss -	see photo.	
	TIES	Type:	Timber		Condition				•	
		Notes:		_		· ·		-		
	BALLAST	Depth:	12 in	Ballas	t Conditio	n Rating:	5			
		Notes:		_		· ·		-		
	DECK PLANKS	Type:	N/A		Conditio	n Rating:		Notes		
	OTHER	Type:	Concrete	_		n Rating:		_		
		, ·						-		
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	_	Number b	_ arrels		Ro	und or Rect		Size	
	•		Approx Lr	ngth.		_ (Concrete		Steel	
		Bridge:	Steel	J	-	=	Timber	-	Concrete	30'
		Type:	Truss			_ D(eck Girder		Through	
		.)	Trestle			•			Girder	
			Num Spa	ns		1	Approx. S	pan Le		30'
		Notes:	'				- Built 1965	•	· .	
			-							_
SUBSTR	UCTURE									
	Visual Condition	n Rating		5			_			
	Bent:			Type			Notes			
	Abutment:		5	Туре	Concret	е сар	Notes	Steel	piles	
	Wingwalls:			Туре			Notes			
	Embank			Туре			Notes			
	Footing			Туре			Notes			
	Inaccessible ar	eas:		_			_			
STREAM	CHANNEL									
	Visual Condition	n Rating	5							
	Stream Depth	_	Scour Evi	dence	r	าด	Moving Water		no	
	Notes	Minor ve	getation				_			
OVERAL	L RATING									
	High Priority		_Medium F	Priority			Low Priority		X	



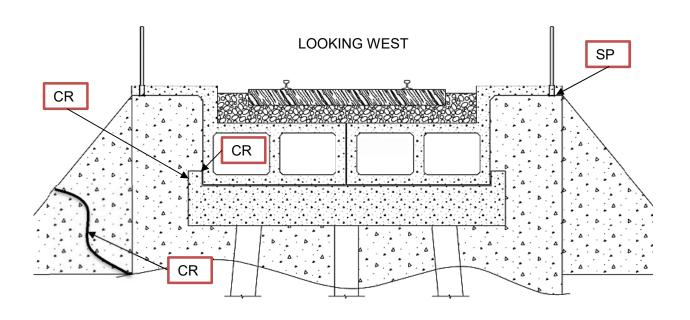


	BRIDG	SE INSPECTIO	N REPORT	CONCRETE \$	STRUCTUR	RE	
Spans:	1	Alignment:	Tangent	Vert. Clear:	6'-3"	Bridge No.	411.97
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Stream	Overall Length:	30'-0"
NVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
01 Scour	5	S01 Girder		5	A07 Piles		5
02 Channel	5	S02 Bearings	3	N/A	A08		
03 Approach	3	ABUTMENTS			A09		
DECK		A01 East Abu	ıtment	5	MISC. OT	HER	
001 Rail	3	A02 East Win	ngwalls	5	M01		
002 Footwalk	5	A03 West Ab	-	5	M02		
003 Handrail	4	A04 West Wi	ngwalls	5	M03	M03	
004		A05 Bent Car	· ·	5	M04		
005				L	1		
					Ove	rall Rating:	5
		-11	COMMENT	·s			
Reference				Remark			
Handrail	Handrail cab	les loose both	sides, broken o	n north side - s	see photo		
Rail	NW rail secti	on loss - see p	hoto				
Wingwall	SW wingwall	cracking -see	photo				
		MAINTEN	NANCE RECOM		IS		
Priority				Description			
D01, B		to meet tonnag	e use				
D03, A	Repair hand						
E03, B	Raise approa	aches					
	COND	TION RATING	<u> </u>		<u> </u>	PRIORITY	
	CONDITION RATING						
· · ·	equire bridge out	of service)			_	ediately	
2. Deficient: OK fo		of service)	man/Inspector fo	or all trains	B. With	in 1 year	
Deficient: OK for until repaired.	equire bridge out or operations, but	of service) requires Flagr		or all trains	B. With C. With	in 1 year in 3 years	
 Deficient: OK for until repaired. Satisfactory but 	equire bridge out or operations, but t with exceptions	of service) requires Flagr Slow order m	ay be required.	or all trains	B. With C. With D. With	in 1 year in 3 years in 5 years	
 Deficient: OK for until repaired. Satisfactory but Worker Safety: 	equire bridge out or operations, but t with exceptions: items such as (h	of service) requires Flagr Slow order m	ay be required.	or all trains	B. With C. With D. With E. With	in 1 year in 3 years in 5 years in 10 years	
 Deficient: OK for until repaired. Satisfactory but Worker Safety: Good with mind 	equire bridge out or operations, but t with exceptions: items such as (h	of service) requires Flagr Slow order m	ay be required.	or all trains	B. With C. With D. With E. With M. Mon	in 1 year in 3 years in 5 years in 10 years itor, Condition may	/ change &
 Deficient: OK for until repaired. Satisfactory but Worker Safety: Good with minor New Bridge 	equire bridge out or operations, but t with exceptions items such as (b or exceptions	of service) requires Flagr Slow order m	ay be required.	or all trains	B. With C. With D. With E. With M. Mon	in 1 year in 3 years in 5 years in 10 years	/ change &
 Deficient: OK for until repaired. Satisfactory but Worker Safety: Good with mino New Bridge Not inspected: 	equire bridge out or operations, but t with exceptions items such as (b or exceptions	of service) requires Flagr Slow order m nandrail, footwa	ay be required.		B. With C. With D. With E. With M. Mon - raise	in 1 year in 3 years in 5 years in 10 years itor, Condition may	/ change &





	BRIDGE INSPECTION REPORT CONCRETE ABUTMENT									
Span:	1	Alignment:	TANGENT	Vert. Clear:	6'-3"	Bridge No.	411.97			
DETAII	DETAILS -ABUTMENT NUMBER: 1 Span Length: 30'-0"									



Description: 80" x 30" Box	Girders, Concrete	Caps, H14x89 piles
----------------------------	-------------------	--------------------

Remarks:

- 1. CR SW wing cracking see photo
- 2. SP Spall NW Corner of Walkway Corner
- 3. CR South Keeper cracking see photo
- 4. CR Horizontal crack on girder 2 outside where flange meets web at abutment 1, approximately 14" long see photo
- 5. 2" gap between abutment and wingwall see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/11/2019





	T		GE INSPECTION		CONCRETE ABUTMENT	T
	Alignment:		Vert. Clear:	6'-3"	Bridge No.	411.97
ETAILS -	BENT NUM	BER: 2			Span Length:	
				LOOKIN	G EAST	SP A A A A A A A A A A A A A A A A A A A
SP - SE	Backwall Spa	Box Girders, all - see photo ast retainer - se	Concrete Caps	s, H14x89 pile	9S	
Jugoriili	g or balle	.5115.011101 30	- p.100			
						<u> </u>



411.97 Looking East



411.97 Looking West



411.97 Looking North



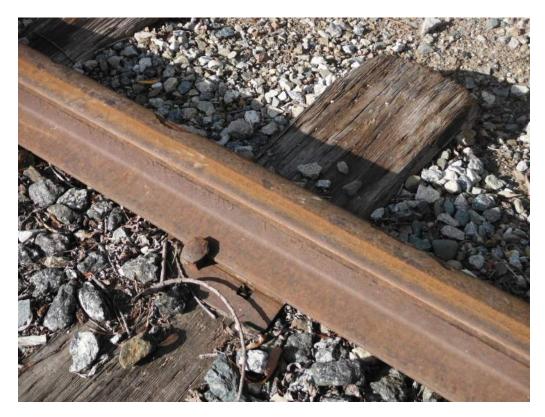
411.97 Looking South



411.97 Channel Conditions - Looking Upstream



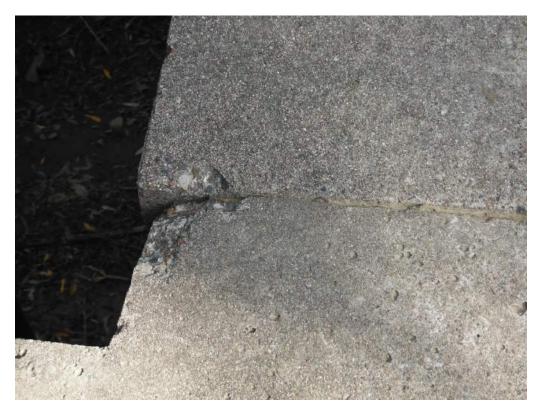
411.97 Channel Conditions - Looking Downstream



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	NSPECTIO	ON REP	ORT			
						IN	SPECTION TYPI	E:	Anr	nual
	STRU	CTURE IN	NFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	412.25					Date	11-Dec-19	Time	11:20	0 AM
Location	Santa Paula Bi	ranch Line	-			Inspect	or Name	J	oseph Hols	
	Saticoy, CA				_		one Number		303-501-1	
Stream	X (Unknowr	r creek)	Overpass	i	Other	·		V	/ilson & Cor	
	erating Speed:				r: 15 mph		_			
DECK	Type:	Open	Number o		1	Visual (Condition Rating		5	
	RAIL	Weight:	80 #	Type:	Jointed	· \	√isual Condition F	Rating:	3	
		Notes:		oaches eas	t and west					
	TIES	Type:	Timber				: 3 due to split tie	es		
		Notes:		_		J		=		
	BALLAST	Depth:	N/A	Ballas	t Conditio	n Rating	:			
		Notes:		_		J		-		
	DECK PLANKS	Туре:	N/A		Conditio	n Rating	:	Notes:		
	OTHER	Type:		_	Conditio	n Rating	:	-		
			•							
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size	
			Approx Li	ngth.		_	Concrete		Steel	
		Bridge:	Steel	>	Κ	_	Timber		Concrete	
		Type:	Truss				eck Girder		Through	
			Trestle						Girder	29'
			Num Spa	ns		1	Approx. S	pan Le	ngths	29'
		Notes:		Thru	Plate Gire	der - Bui	ilt 1915			
SUBSTR	UCTURE Visual Condition	n Doting		5						
	Bent:	n Raung					<u> </u>			
	Abutment:		5	_Type	Con	crete	_			
	Wingwalls:		3	_Type Type			_ Notes			
	Embank			_ Type Type			_ Notes			
	Footing			_ Type Type			_ Notes			
	Inaccessible ar	.———		_ i ype			_ Notes			
	maccessible at	cas.								
CTDEAM	I CHANNEL									
SIKEAW	Visual Condition	n Rating	5							
	Stream Depth	0		dence	r	10	Moving Water		no	
	Notes	Minor ve	getation				_			
OVERAL	L RATING		Madium 5	Drianit :			Low Date with		V	
	High Priority	-	_Medium F	riority			_Low Priority		X	





1	BRI	DGE INSPECT	ION REPORT	· 3 EEL 3 1	KUCIUKE		
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	ral Braces	5	A08		
E03 Approach	3	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. O	THER	
D01 Ties (OD only)	3	S05 Bearings	;	5	M01		
002 Ties Spacers	5	ABUTMENTS	8 & PIERS		M02		
D03 Rail	5	A01 East Abu	ıtment	5	M03		
004 Footwalk	N/A	A02 East Win	igwalls	5	M04		
005 Handrail	N/A	A03 West Ab	utment	5			
D06 Floor Beams	5	A04 West Wir		5	Ov	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		5			
			COMMENT	S			
Reference			_	Remark			
Walkway	No handrail d	or walkway					
Curb	Damage to ti	mber curb at e	ast end - see ph	noto			
		MAINTEN	IANCE RECOM	IMENDATION	S		
Priority		MAINTEN	IANCE RECOM		S		
	Pomovo vog			Description	S		
E02, A		etation from un	der and around	Description bridge	S		
E02, A S05, B	Clean debris	etation from un	der and around earings both en	Description bridge	S		
E02, A S05, B E03, B	Clean debris Raise approa	etation from un from around b aches both end	der and around earings both en s	Description bridge	S		
E02, A S05, B E03, B D01, B	Clean debris Raise approa Replace gua	etation from un from around be aches both end rd timbers and	der and around earings both en s	Description bridge	S		
E02, A S05, B E03, B	Clean debris Raise approa	etation from un from around be aches both end rd timbers and	der and around earings both en s	Description bridge	S		
E02, A S05, B E03, B D01, B	Clean debris Raise approa Replace gua	etation from un from around be aches both end rd timbers and	der and around earings both en s	Description bridge	S		
S05, B E03, B D01, B	Clean debris Raise approa Replace gua	etation from un from around be aches both end rd timbers and	der and around earings both en s	Description bridge	S		
E02, A S05, B E03, B D01, B	Clean debris Raise approa Replace gua	etation from un from around be aches both end rd timbers and	der and around earings both en s	Description bridge	S		
E02, A S05, B E03, B D01, B	Clean debris Raise approa Replace gua Add handrail	etation from un from around be aches both end rd timbers and	der and around earings both en s split ties	Description bridge	S	PRIORITY	
E02, A S05, B E03, B D01, B D05, B	Clean debris Raise approa Replace gua Add handrail	etation from un from around be aches both end rd timbers and s	der and around earings both en s split ties	Description bridge		PRIORITY	
E02, A S05, B E03, B D01, B D05, B	Clean debris Raise approa Replace gua Add handrail CONDI	etation from un from around be aches both end rd timbers and s	der and around earings both en s split ties	Description bridge ds	A. Imr	nediately	
E02, A S05, B E03, B D01, B D05, B	Clean debris Raise approa Replace gua Add handrail CONDI	etation from un from around be aches both end rd timbers and s	der and around earings both en s split ties	Description bridge ds	A. Imr B. Wit		
E02, A S05, B E03, B D01, B D05, B	Clean debris Raise approa Replace gua Add handrail CONDI uire bridge out operations, but	etation from un from around be aches both end rd timbers and s	der and around earings both en s split ties nan/Inspector fo	Description bridge ds	A. Imr B. Wit C. Wit	nediately hin 1 year	
E02, A S05, B E03, B D01, B D05, B 1. Failed (may req 2. Deficient: OK for until repaired.	Clean debris Raise approa Replace gua Add handrail CONDI uire bridge out operations, but	etation from un from around be aches both end rd timbers and s ITION RATING of service) requires Flagn	der and around earings both ens s split ties nan/Inspector for	Description bridge ds	A. Imr B. Wit C. Wit D. Wit	nediately hin 1 year hin 3 years	
E02, A S05, B E03, B D01, B D05, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v	Clean debris Raise approa Replace gua Add handrail CONDI uire bridge out operations, but with exceptions: ems such as (h	etation from un from around be aches both end rd timbers and s ITION RATING of service) requires Flagn	der and around earings both ens s split ties nan/Inspector for	Description bridge ds	A. Imr B. Wit C. Wit D. Wit E. Wit	nediately hin 1 year hin 3 years hin 5 years hin 10 years	change &
E02, A S05, B E03, B D01, B D05, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite 5. Good with minor	Clean debris Raise approa Replace gua Add handrail CONDI uire bridge out operations, but with exceptions: ems such as (h	etation from un from around be aches both end rd timbers and s ITION RATING of service) requires Flagn	der and around earings both ens s split ties nan/Inspector for	Description bridge ds	A. Imr B. Wit C. Wit D. Wit E. Wit	nediately hin 1 year hin 3 years hin 5 years hin 10 years nitor, Condition may	change &
E02, A S05, B E03, B D01, B D05, B 1. Failed (may req 2. Deficient: OK for until repaired. 3. Satisfactory but v 4. Worker Safety: ite 5. Good with minor	Clean debris Raise approa Replace gua Add handrail CONDI uire bridge out operations, but with exceptions: ems such as (he exceptions	etation from un from around be aches both end rd timbers and s ITION RATING of service) requires Flagn	der and around earings both ens s split ties nan/Inspector for	Description bridge ds	A. Imr B. Wit C. Wit D. Wit E. Wit	nediately hin 1 year hin 3 years hin 5 years hin 10 years	change &



Inspected By:



12/11/2019

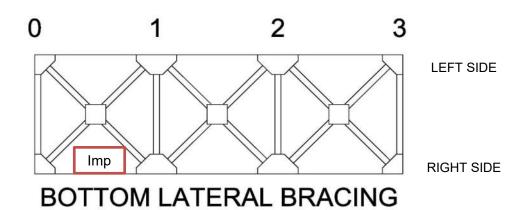
ETAILS- ABUTMENT NUMBER: 1 Span Length: 30'-0" LOOKING WEST LOOKING WEST LOOKING Thru Plate Girders, Concrete Abutment semarks: BR - Abutment needs to be cleared of debris BR - End bearing areas show minor section loss due to rust - see photo GR - Girder 2 holes in web - see photo GR - Girder 2 holes in web - see photo GR - Girder 2 stiffener damage at midspan - see photo GR - Girder 2 stiffener damage at midspan - see photo Silt accumulation and debris on girder bottom flange	4 41		L STRUCTURE/CONCRETE AE	
BR GR GR GR GR GR GR Grider 2 stiffener damage at midspan - see photo SP - Spall along both wingwalls - see photo SP - Spall along both wingwalls - see photo				
SP BR GR GR GR GR GR GR GR GR GR	ETAILS- ABUTMENT NUMBER: 1		Span Lengin:	30-0
DR - Abutment needs to be cleared of debris BR - End bearing areas show minor section loss due to rust - see photo GR - Girder 2 holes in web - see photo GR - Girder 2 stiffener damage at midspan - see photo SP - Spall along both wingwalls - see photo	SP BR A	GR A A A A A A A A A A A A A A A A A A A	KING WEST	DR
BR - End bearing areas show minor section loss due to rust - see photo GR - Girder 2 holes in web - see photo GR - Girder 2 stiffener damage at midspan - see photo SP - Spall along both wingwalls - see photo	emarks:			
GR - Girder 2 holes in web - see photo GR - Girder 2 stiffener damage at midspan - see photo SP - Spall along both wingwalls - see photo			see photo	
GR - Girder 2 stiffener damage at midspan - see photo SP - Spall along both wingwalls - see photo			P******	
SP - Spall along both wingwalls - see photo				
Silt accumulation and debris on girder bottom flange				
	Silt accumulation and debris on gird	er bottom flange		

Date Inspected:

Joseph Holste, PE







DIVISION	Santa Paula	SPAN LENGTH	29'	NUMBER OF TRACKS 1
CROSSING	Cre	ek	TRACK ALIGN	IMENT TANGENT SPAN No. 1
INSPECTION	FINDINGS			
Imp	Bay #1 right sid	e cross bracing sh	ow signs of impa	act and slight deflection - see photo
	Deb	ris build-up on bott	om flange, bear	ings, and cross bracing

Joseph Holste, PE 12/11/2019 Bridge Number: 412.25







412.25 Looking East



412.25 Looking West

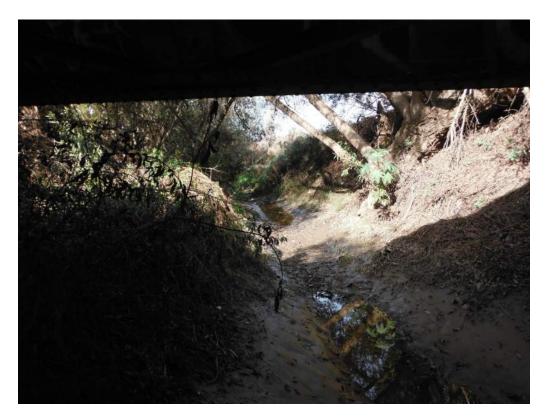


412.25 Looking North*



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	ISPECTIO	N REPO	RT				
						INS	PECTION TYPE	Ξ:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	415.20					Date	11-Dec-19	Time	12:4	5 PM	
Location	Santa Paula Br	anch Line	-			Inspecto	r Name	-	oseph Hols	_	
	Santa Paula, C	Α					ne Number		303-501-1		
Stream	X (Draina	age)	Overpass		Other		Company	V	Vilson & Co	mpany	
Train Ope	rating Speed:	Freight:	10 mph	Passenger	 : 15 mph						
DECK	Туре:	Ballast	Number o	f Tks	1	Visual Co	ondition Rating		3		
	RAIL	Weight:	80 #	Type:	Jointed	Vi	sual Condition F	Rating:	3		
		Notes:	Low appro	oaches east	and west						
	TIES	Type:	Timber	Tie	Condition	n Rating:	5				
		Notes:				•		_			
	BALLAST	Depth:	12 in	Ballast	Condition	n Rating:	3	_			
		Notes:	Fouled ba	allast and ho	les in ball	ast - north	h side				
	DECK PLANKS	Type:	Timber	_	Condition	n Rating:	Unknown	Notes:	Buried		
	<u>OTHER</u>	Type:			Condition	n Rating:		-			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	7								
	Type:	•	Number b	arrels		Rou	ınd or Rect		Size		
	31		Approx Lr				Concrete		Steel		
		Bridge:	Steel	5			Timber	15'	Concrete		
		Type:	Truss				eck Girder		Through		
		31	Trestle			X			Girder		
			Num Spa	ns		1	Approx. S	pan Le	•	13'9"	
		Notes:	-		oer Trestle	e - Built 1	950 - Inaccessib	ole			
SUBSTRI	ICTURE										
00201111	Visual Conditio	n Rating		7							
	Bent:	J		Туре			Notes				
	Abutment:			Туре	Concrete	Э	Notes				
	Wingwalls:			Туре			Notes				
	Embank			 Туре							
	Footing			Туре			Notes				
	Inaccessible ar	eas:	Unable to	inspect due	to silting						
STRFAM	CHANNEL										
OTKEAM	Visual Conditio	n Rating	5								
	Stream Depth	0	Scour Evi	dence	n	0	Moving Water		no		
	Notes	Fully silte	ed in								
OVERALI											
	High Priority		_Medium F	Priority			Low Priority		Χ	•	





IVIAINLINE/SUBDIVISI		GE INSPECT	ION REPORT -	TIMBER STI	RUCTURI	 E	
Spans:	1	Alignment:	Tangent	Vert. Clear:	None	Bridge No.	415.20
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainag		15'
ENVIRONMENT		STRINGERS			B08 Sas	h Brace	N/A
E01 Scour	5	S01 Stringers		7	B09 Lone	g Brace	N/A
E02 Channel	5	S02 Line Bolt		N/A		Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	7	B11 Shir		N/A
DECK		BENTS	<u> </u>		MISC. O	THER	
D01 Ties (OD only)	5	B01 West Ba	ckwall	7	M01		
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 I	Bents	N/A			
D06 Footwalk	5	B06 Posts		N/A	Ov	erall Rating:	4
D07 Handrail	4	B07 Cross Br	aces	N/A			
			COMMENT	'S			
Reference			- +E.IV	Remark			
Handrail	Timber handr	ail is in poor co	ondition. broker		Missina n	orth and southeast	side.
Structure	Minor charring	•	211, 3101101		9 11	2.223	
Wingwall			nined - see phot	os			
Ballast		st, west side -	· · · · · · · · · · · · · · · · · · ·				
		MAINTEN	IANCE RECON	MENDATION	<u>S</u>		
Priority				Description			
E03, B	Raise approa	ches					
D03, C	Replace 80 lb	rail as tonnag	ge dictates				
D07, A	Repair handra	ail					
S01, S03, B01, B02,	Excavate to a	llow inspection	n or remove stru	ucture			
B03, B04, D04							
D05, C	Repair wings						
	CONDI	TION RATING	1			PRIORITY	
1. Failed (may requ	uire bridge out c	of service)			A. Imn	nediately	
Deficient: OK for a			man/Inspector fo	or all trains		hin 1 year	
until repaired.	,	1 · · · · · · · · · · · · · · · ·				hin 3 years	
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 6	,	,	, ,			nitor, Condition ma	v change &
6. New Bridge						se priority	,
7. Not inspected: Re	eason stated					. ,	
Inspecte	d Bv	.J	loseph Holste, F	PF	Γ	ate Inspected:	12/11/201



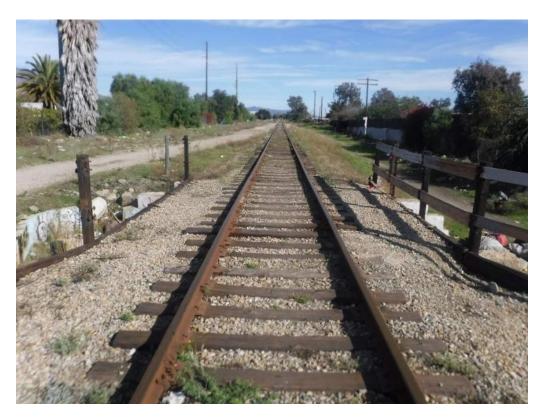


	BRIDO	SE INSPECT	ION RE	PORT	CO	NCRE	ΓΕ ΑΙ	BUTI	MENT						
	NGENT	Vert. Clear:		one		ge No.						4	15.20)	
DETAILS - ABUT NUMBER:	: 1					Length	า:					•	13'9"		
				OKING	WEST	T		25 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		\$\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			· A .		
Δ ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	Δ ′	΄ Δ΄	· A	Δ	,	΄ Δ	. '		΄ Δ	,	,	, L	7 ,	.)	
	A	· A · A · A	D	, A	. D	· A	Δ			Δ ,	, , ,	· A	Δ ,		
Description: (12) 7"x17.5" \$ Remarks: 1. Bridge is silted in	Stringers,	Concrete Ab	outment	t .											
Inspected By:	Jo	seph Holste,	PE		L	Date	e Insp	ecte	d:					12/11	/2019





	BRID	GE INSPECTIO	N REPORT	CONCRETE ABUTMENT	
Alignment:	TANGENT	Vert. Clear:	None	Bridge No.	415.20
DETAILS - ABUT NUMI				Span Length:	
			LOOKING	EAST	
	Δ .	Δ ,	· A	· Δ · · · Δ	Α
	· A ·		Δ		
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	D D	Δ Δ	· D	· A · A	. \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	, <u>,</u>	· ,	Δ΄,	D ' , D ' ,	
Description: (12) 7"x17 Remarks: 1. Bridge is silted in	7.5" Stringers	, Concrete Abu	tment		
Inspected By:	Jo	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	N REPC	RT				
						INS	SPECTION TYPI	E:	Anı	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	415.32				-	Date	11-Dec-19			5 PM	
Location	Santa Paula Br	anch Line	=				r Name	-	oseph Hols		
	Santa Paula, C				_		ne Number		303-501-1		
Stream	X (Draina		Overpass		- Other	•			/ilson & Co		
	erating Speed:				_						
DECK	Type:					Visual C	ondition Rating		5		
	RAIL	Weight:	-		Jointed		isual Condition F	Rating:		•	
		Notes:		_ paches east						•	
	TIES	Type:	Timber				5				
		Notes:		_ shifted east :				-			
	BALLAST	Depth:	N/A		Condition	Rating:	3				
	D/ (LL/ (O)	Notes:		 allast and lov		_		_			
	DECK PLANKS		N/A	maor and lov			01100	Notes:			
	OTHER	Type:	14// (_				110100.			
	OTTIER	rype.			Condition	i italiig.		-			
SUPERS	TRUCTURE									-	
	Visual Conditio	n Rating	7								
	Type:	_	Number b	arrels		Rou	und or Rect		Size		
	.)		Approx Lr				Concrete		Steel		
		Bridge:	Steel	.9			Timber	15'	Concrete		
		Type:	Truss	-			eck Girder		Through		
		турс.	Trestle			X	SOR GIIGGI		Girder		
			Num Spa	ne		<u>^</u> 1	Approx. S	nan I e	•	13'-6"	
		Notes:	-				940 - Inaccessib	•	riguis	10-0	
		Notes.	Орег	I Deck Tillib	ei iiesiie	- Dulit 18	940 - Maccessib	16	•		
SUBSTRI	JCTURE										
	Visual Conditio	n Rating		7							
	Bent:			Туре			Notes				
	Abutment:			Type	Concrete	Э	Notes				
	Wingwalls:			Туре			Notes				
	Embank			Туре							
	Footing			Type			Notes				
	Inaccessible ar	eas:	Unable to	inspect due	to silting		•				
STREAM	CHANNEL										
• · · · · · · · · · · · · · · · · · · ·	Visual Conditio	n Rating	5								
	Stream Depth	0	Scour Evi	dence	n	0	Moving Water		no		
	Notes	Fully silte	d in								
0)/5541	DATING										
OVERALI	L RATING High Priority		Medium F	Priority			Low Priority		Υ		
	riigii Filolity		_ IVICUIUIII F	Hority			LOW FHOIR		Х		





WAINLINE/GODDIVIO		GE INSPECT	ION REPORT -	TIMBER ST	RUCTUR		
Spans:	1	Alignment:	Tangent	Vert. Clear:	None		415.32
No. of Tks:	1	Deck Type:	Open	Br. Over:	Drainag	e Overall Length:	15'
ENVIRONMENT		STRINGERS			B08 Sas		N/A
E01 Scour	5	S01 Stringers		7	B09 Lon		N/A
E02 Channel	5	S02 Line Bolt		7	11	Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	7	B11 Shir		N/A
DECK		BENTS	<u> </u>		MISC. O	THER	
D01 Ties (OD only)	5	B01 West Ba	ckwall	7	M01		
D02 Ties Spacers	5	B02 East Bac	ckwall	7	M02		
D03 Rail	3	B03 Caps		7	M03		
D04 Ballast Floor	N/A	B04 Piles		N/A	M04		
D05 Ballast Retainer	N/A	B05 Framed	Bents	N/A			
D06 Footwalk	3	B06 Posts		N/A	Ov	erall Rating:	5
D07 Handrail	3	B07 Cross Br	aces	N/A	1	-	
	•	l	COMMENT	s	4.		
Reference			- Comment	Remark			
Handrail	Handrail miss	ing both sides	.				
Walkway		_	being ran over,	major hazard	- see pho	to	
Abutment			ment 2 - see ph				
		MAINTEN	NANCE RECOM	IMENDATION	S		
Dui a vita r			THE RESULT		<u> </u>		
Priority	Danlass rail 4			Description			
D03		o match tonna	ge				
D06, A	Replace walk						
D07, A	Replace hand						
E03, B	Raise approa	cnes					
	OONDI	TION DATING			T	DDIODITY	
	CONDI	TION RATING	<u> </u>			PRIORITY	
1. Failed (may requ					1	nediately	
2. Deficient: OK for	operations, but	requires Flagr	man/Inspector fo	or all trains		hin 1 year	
until repaired.						hin 3 years	
Satisfactory but w					1	hin 5 years	
4. Worker Safety: ite		andrail, footwa	alk, etc.)		1	hin 10 years	
5. Good with minor of	exceptions					nitor, Condition ma	y change &
6. New Bridge					- rai	se priority	
7. Not inspected: R					_	N-4- I 1 1	40/44/001
Inspecte	ea By:	J	loseph Holste, F	Έ		ate Inspected:	12/11/201





		CONCRETE ABUTMENT	
pan: 1 Alignment: TANGENT	Vert. Clear: None	Bridge No.	415.32
ETAILS - ABUT NUMBER: 1		Span Length:	13'6"
Fa WW	LOOKING		Fa A A A A A A A A A A A A A A A A A A A

Remarks:

- 1. Fa Both wingwalls are failing
- 2. M Headwall is missing material
- 3. HR Handrail is broken or missing from both sides
- 4. WW Walkway grating has been ran over and constitutes a tripping hazard, vegetation growing in front, major hazard see photo
- 5. Bridge is fully silted in

	·		
	•		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/11/2019





BRID	GE INSPECTIO	N REPORT	CONCRETE ABUTMENT	Г
Alignment: TANGENT	Vert. Clear:	None	Bridge No.	415.32
DETAILS - ABUT NUMBER: 2			Span Length:	
Fa A A A A A A A A A A A A A A A A A A A		A D . A	EAST	BLK A A A A A A A A A A A A A A A A A A A
Description: (8) 8.5"x17.5" Stringers Remarks:	, Concrete Abu	ıtment		
Bridge is fully silted in				
2. Fa - Both wings failing and hole in b				
3. BLK - SE abutment stone block dislo		to.		
4. Hole in soil behind abutment 2 - see	photo			
Inspected By: Jo	seph Holste, Pl	E	Date Inspected:	12/11/2019



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	INSPECT	ON REPO	ORT				
						INS	SPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	NFORMATION			INSPECTIO			N INFORMATION		
Milepost	415.59					Date	11-Dec-19) PM	
Location	Santa Paula Br	anch Line	-				or Name	_	oseph Hols		
	Santa Paula, C	A					ne Number	303-501-1215			
Stream	X (Santa Paul		Overpass		Other			/ N	/ilson & Co		
Train Ope	rating Speed:				 ger: 15 mpl	1					
DECK	Type: Open/Ba	allast	Number o	f Tks	1	Visual C	Condition Rating		5		
	RAIL	Weight:	80 #	Type:	Jointe	<u>-</u>	isual Condition	Rating:	5		
		Notes:		_							
	TIES	Type:	Timber	_	Tie Condition	on Rating:	5	_			
	DALLACT	Notes:	40 in (TD)	2\ D-II.		n Datina.					
	<u>BALLAST</u>	Depth: Notes:	12 in (TPC Low Balla		ast Condition	n Kaung.	3	-			
<u> </u>	DECK PLANKS	Type:	N/A		Condition	on Rating:		Notes:			
	OTHER	Type:	Steel balla	ast retaine	er Condition	on Rating:	5	- -			
SUPERS1	TRUCTURE										
	Visual Conditio	n Rating	5								
	Туре:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Lr	ngth.			Concrete		Steel		
		Bridge:	Steel		X	<u></u>	Timber		Concrete		
		Type:	Truss		100'	_ D	eck Girder		Through		
			Trestle						Girder	66'-8"	
			Num Spar	าร		1	Approx. S	pan Le	ngths	166'-8"	
		Notes:		Thru	ı Plate Gird	er and Th	ru Truss		•		
SUBSTRU	JCTURE										
	Visual Conditio	n Rating			5		_				
	Bent:		5	_Type	Concre	ete	_ Notes	·			
	Abutment:		5	_Type	Concre	ete	_ Notes	·			
	Wingwalls:			_Type							
	Embank			_Type							
	Footing			_Type			_ Notes	·			
	Inaccessible ar	eas:									
STREAM	CHANNEL										
	Visual Conditio Stream Depth Notes	•	Scour Evi	_ dence		no	_Moving Water		yes		
OVERALI	L RATING High Priority		Medium P	riority			_Low Priority		Х		





BRIDGE INSPECTION REPORT STEEL STRUCTURE									
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		5	A07				
E02 Channel	5	S02 Top Lateral Braces 5			A08				
E03 Approach	5	S03 Bottom Lateral Braces 5			A09				
DECK		S04 Cross Braces 5			MISC. OT				
D01 Ties (OD only)	N/A	S05 Bearings		5	M01				
D02 Ties Spacers	N/A	ABUTMENTS			M02				
D03 Rail	5	A01 East Abu	tment	N/A	M03				
D04 Footwalk	5	A02 East Win	-	N/A	M04				
D05 Handrail	N/A	A03 West Abı		5					
D06 Floor Beams	5	A04 West Wingwalls 5			Overall Rating: 5				
D07 Ballast Curb	5	A05 Pier Cap		5					
			COMMENTS	3					
Reference				Remark					
Structure	Minor rust at I	oottom chord o	connection plate						
Fence	Fence breach	over bearing	pier 2 - see pho	oto					
Approach	Low ballast w								
• •									
	•	MAINTEN	ANCE RECOM	MENDATION	S				
Driority				Description					
Priority				Description					
	CONDI	TION RATING				PRIORITY			
Failed (may require bridge out of service)						ediately			
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains						in 1 year			
until repaired.						in 3 years			
3. Satisfactory but with exceptions: Slow order may be required.						in 5 years			
4. Worker Safety: items such as (handrail, footwalk, etc.)						in 10 years			
5. Good with minor exceptions						itor, Condition ma	y change &		
6. New Bridge						e priority			
7. Not inspected: Re		-		_	_		101111777		
Inspected	і Ву:	J	oseph Holste, P	E	Da Da	ate Inspected:	12/11/2019		

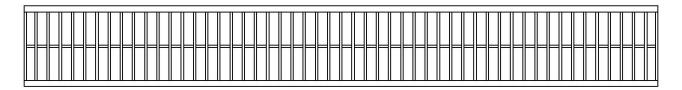




	BF	RIDGE INSPEC	CTION REPOR	T STEEI	STRUCTURE/CONCRE	TE ABUTMENT
Span: 1	Alignment:		Vert. Clear:	25'+	Bridge No.	415.59a
	ABUT NUM		'		Span Length:	66'8"
DETAILS -	ABUI NUMI	BER: 1		Looki	ng West	
Remarks:	en: Thru Plate		ncrete Abutme	nt		



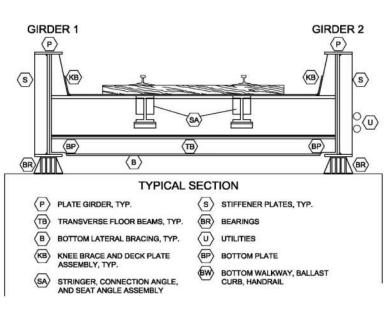




LEFT SIDE

RIGHT SIDE

BOTTOM LATERAL BRACING



DIVISI	ON	Santa	a Paula	SPAN LENGTH	66'-8"
NUMBE	R OF T	RACKS	1	CROSSING	Santa Paula Creek
TRACK ALIGNMENT		TANGENT	SPAN No.	1	
INSPECTION FINDINGS					
		Gro	ut pad crack	ked under bearing at pier 2 -	see photo

Inspected by: Joseph Holste, PE Date: 12/11/2019 Bridge Number: 415.59a

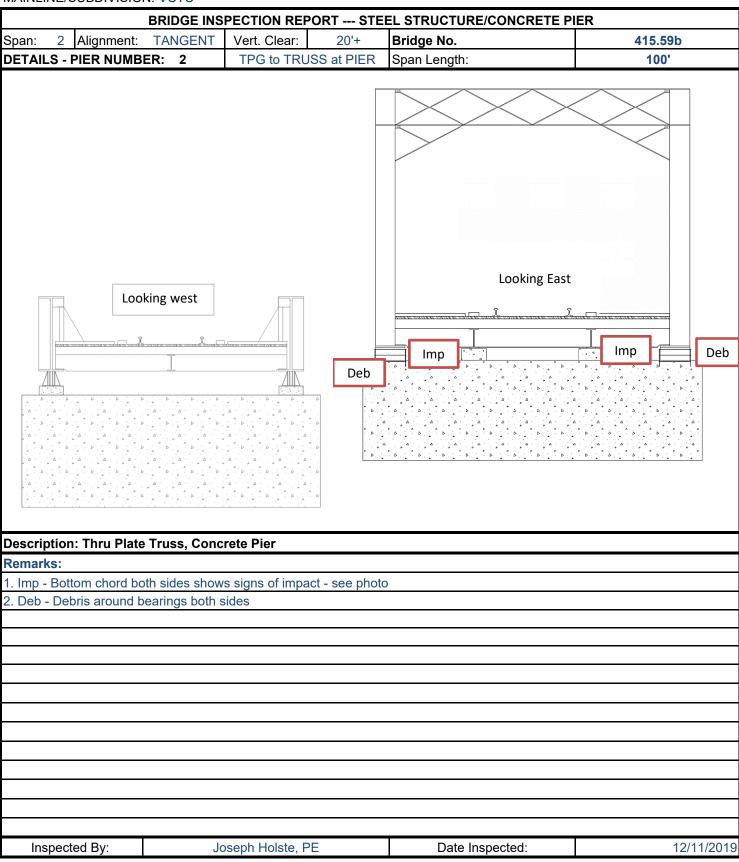




	BRID	GE INSPECT	ION REPORT -	STEEL STR	UCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	415.59b
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Creek	Overall Length:	100'
ENVIRONMENT		GIRDERS			A06 Pier S	Shaft	5
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late		5	80A		
E03 Approach	5	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. OT	HER	
D01 Ties (OD only)	5	S05 Bearings		5	M01		
D02 Ties Spacers	5	ABUTMENTS			M02		
D03 Rail	5	A01 East Abu		5	M03		
D04 Footwalk	5	A02 East Win	-	5	M04		
D05 Handrail	5	A03 West Abı		N/A			_
D06 Floor Beams	5	A04 West Wir		N/A	Ove	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		5			
			COMMENTS	3			
Reference				Remark			
S03	Bottom chord	and lateral bra	acing has numer	ous impacts fi	om debris	. Most are minor v	vith
	a couple mod	erate - see ph	oto				
S05	Debris in bear	rings					
D03 Guard Rail	Material between	een inside gua	ard rail and runni	ng rail both er	nds, both s	ides	
		MAINTEN	IANCE DECOM	MENDATION			
		WAINTEN	IANCE RECOM	WIENDATION:	<u> </u>		
Priority				Description			
S05, B	Clean bearing						
D03, B	Remove mate	rial between in	nside guard rail a	and running ra	il both end	ls, both sides	
					ı		
	CONDI	TION RATING				PRIORITY	
1. Failed (may requi	re bridge out c	of service)			A. Imm	ediately	
2. Deficient: OK for o	perations, but	requires Flagn	nan/Inspector for	r all trains	B. With	in 1 year	
until repaired.					C. With	in 3 years	
3. Satisfactory but wit	h exceptions:	Slow order m	ay be required.		D. With	in 5 years	
4. Worker Safety: iten	ns such as (h	andrail, footwa	ılk, etc.)	<u> </u>	E. With	in 10 years	
5. Good with minor ex	ceptions				M. Mon	itor, Condition ma	y change &
6. New Bridge					- raise	e priority	
7. Not inspected: Rea	ason stated						
Inspected	By:	J	oseph Holste, P	E	Da	ate Inspected:	12/11/2019

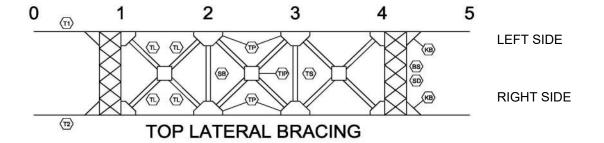


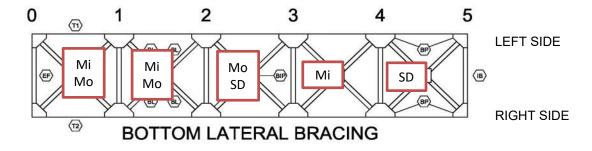




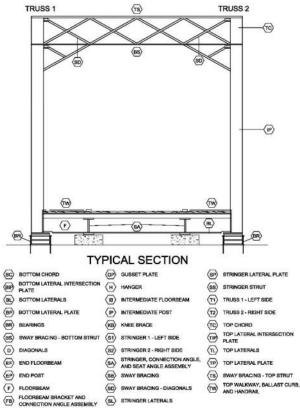








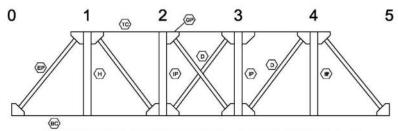
DIVISION	Santa Paula	SPAN LENGTH	100'	NUMBER OF TRACKS 1							
CROSSING	Santa Pa	ula Creek	TRACK ALIGNN	MENT TANGENT SPAN No. 2							
INSPECT	ION FINDINGS										
SD		Bottom laterals of	of bay #5 show mo	ost severe damage							
Mi, Mo		Bays #1 & #2 have minor to moderate impact damage									
Mo, SD		Bay #3 has moderate to severe impact damage									
Mi		Bay #4	has minor impac	t damage							



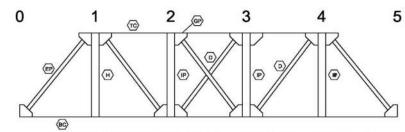
Inspected by: Joseph Holste, PE Date: 12/11/2019 Bridge Number: 415.59b





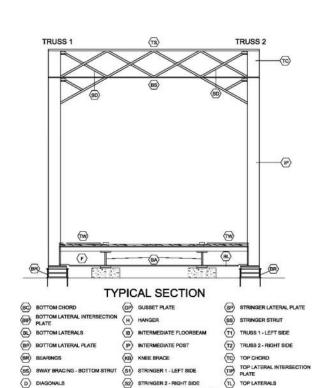


ELEVATION OF BRIDGE - LEFT (TRUSS 1)



ELEVATION OF BRIDGE - RIGHT (TRUSS 2)

DIVISION	Santa Paula	SPAN LENGTH	100'	NUMBER OF TRACKS	1
CROSSING	Santa Paula Creek		TRACK ALIGNN	2	
INSPECT	ION FINDINGS				



STRINGER, CONNECTION ANGLE, AND SEAT ANGLE ASSEMBLY

SWAY BRACING - DIAGONALS

SWAY BRACING

SL STRINGER LATERALS

TP) TOP LATERAL PLATE

TS SWAY BRACING - TOP STRUT

TOP WALKWAY, BALLAST CURB, AND HANDRAIL

EF END FLOORBEAM

FB FLOORBEAM BRACKET AND CONNECTION ANGLE ASSEMBLY

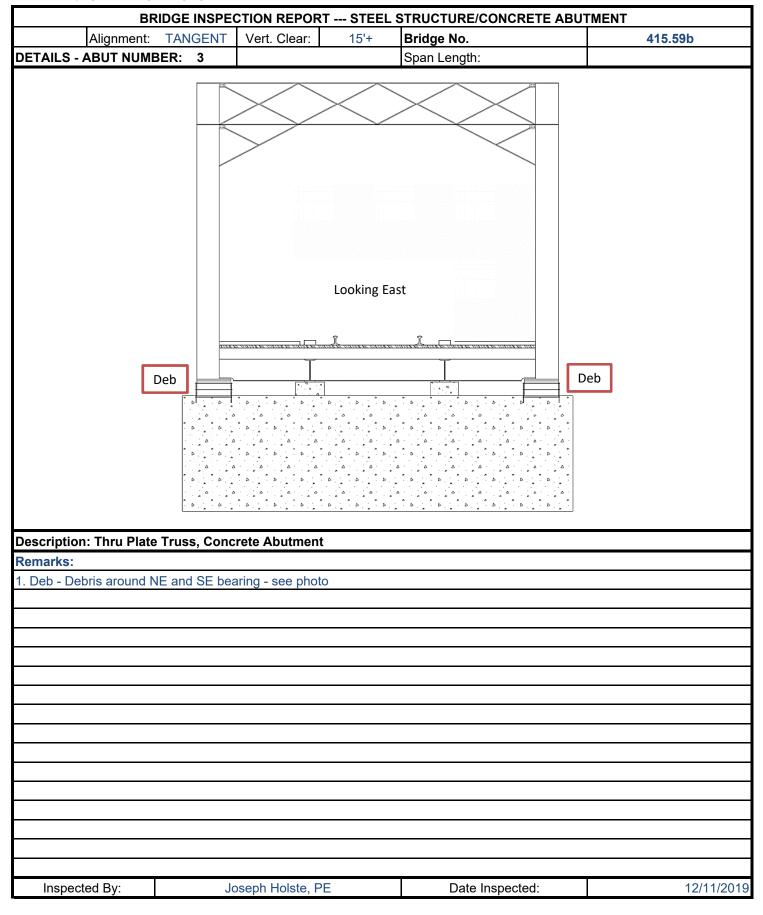
EP END POST

F FLOORBEAM

Inspected by: Joseph Holste, PE Date: 12/11/2019 Bridge Number: 415.59b









415.59 Looking East



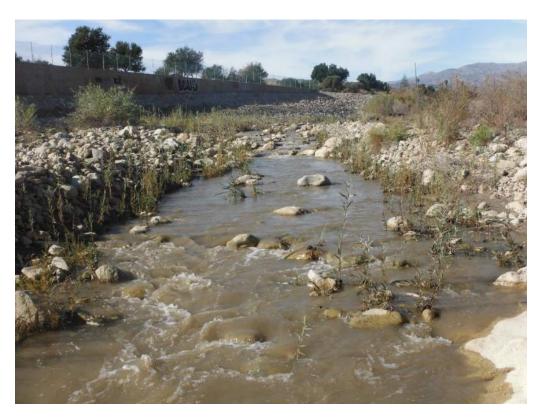
415.59 Looking West



415.59 Looking North



415.59 Looking South



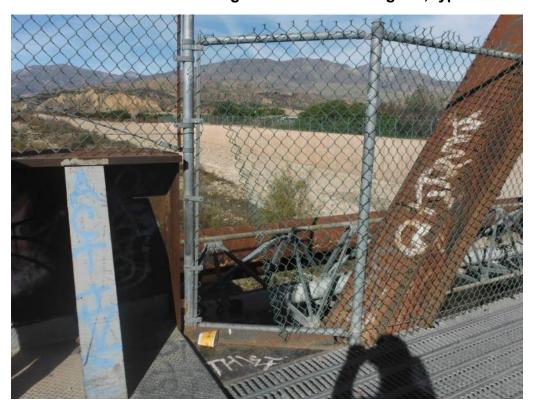
415.59 Channel Condition. Looking upstream



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 INSPECTION REPORT										
						INS	PECTION TYPI	Ε:	Anı	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION		
Milepost	415.69				_	Date	11-Dec-19	Time	2:10) PM	
Location	Santa Paula Br	anch Line	_			Inspecto		-	oseph Hols		
	Santa Paula, C	A					ne Number		•		
Stream	X (Ferris		Overpass	i		•			Vilson & Co		
Train Ope	erating Speed:	•					, , ,				
DECK	Туре:	Ballasted	Number c	of Tks	1	Visual C	ondition Rating		5		
	RAIL			Type:			isual Condition F	Rating:	3	•	
		Notes:	East appr	oach Iow. [Dips in rail	across sp	oans 1 & 2			•	
	TIES	Type:	Timber	Tie	e Conditior	n Rating:	3				
		Ties are s	_ split - see pl								
	BALLAST	Depth:	12 in	Ballas	st Condition	n Rating:	5			-	
		Notes:		_							
	DECK PLANKS	Type:	Timber		Condition	n Rating:	3	Notes:	: Rot w/balla	ast showing	
	<u>OTHER</u>	Type:						_			
								_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	3								
	Type:	Culvert:	Number b	arrels		Rou	und or Rect		Size		
	•		Approx Lr	ngth.		Ċ	Concrete		Steel		
		Bridge:	Steel	Ü			Timber	45'	Concrete		
		Type:	Truss				eck Girder		Through		
		31	Trestle						Girder		
			Num Spa	ns		3	Approx. S	pan Le	-	15',15',14'-6'	"
		Notes:					- Built 1959				_
									-		
SUBSTRI	UCTURE										
	Visual Conditio	n Rating		5							
	Bent:		5	Туре	Con	crete	Notes				
	Abutment:		5	Туре	Con	crete	Notes				
	Wingwalls:		3	Туре	Con	crete					
	Embank			Туре							
	Footing			Туре			Notes				
	Inaccessible ar	eas:		_			•			-	
STREAM	CHANNEL										
	Visual Conditio	n Rating	N/A								
	Stream Depth		Scour Evi	dence			Moving Water				
	Notes										
OVERALI	L RATING	v	NA - 11 -	Nut a sate			Law Bit it				
	High Priority	X	_Medium F	riority			Low Priority			-	



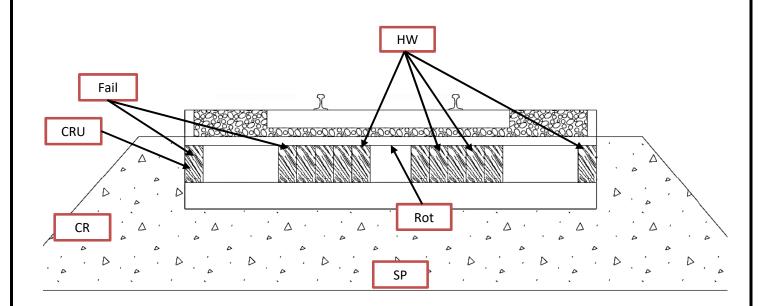


	BRID	GE INSPECT	ON REPORT	TIMBER ST	RUCTURE							
Spans:	3	Alignment:	Tangent	Vert. Clear:	6'-7"	Bridge No.	415.69					
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Ferris Rd	. Overall Length:	45'					
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A					
E01 Scour	N/A	S01 Stringers		3	B09 Long	Brace	N/A					
E02 Channel	N/A	S02 Line Bolt	S	N/A	B10 Cap I	Long Brace	N/A					
E03 Approach	3	S03 Bearing (<u>@</u> Сар	3	B11 Shim	S	N/A					
DECK		BENTS			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	i	5	M04							
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A								
D06 Footwalk	N/A	B06 Posts		N/A	Ove	erall Rating:	3					
D07 Handrail	N/A	B07 Cross Br	aces	N/A								
		COMMENTS										
Reference Remark												
Wingwall	All wingwalls	eaning - see p	photo									
Utilities	Overhead pov	ver lines at ea	st end, change v	ertical clearar	nce sign to	6'-10"						
D04	Deck planks r											
S01				ns #2 & #3. Str	ingers failed	d/rotten/crushing mos	st spans					
Drainage	Poor drainage						'					
_												
		MAINTEN	IANCE RECOM	MENDATION	S							
Priority				Description								
E03, B	Raise east ap	nroach		Description								
D03			ction as tonnage	dictates								
B01, B02, B	Repair wingw		onon as tormage	นเบเนเธอ								
S01, A	Replace failed		na etrinaere									
D04, A	Replace failed		ig sunigers									
D04, A			nection (3 month	e) to assure t	he bridge i	s functional until re	naire are					
			er of 10 mph be i			3 IUIIOUOIIAI UIIUI IE	pails ale					
	made along w	iui a 510W 0100	er or to mbirne l	viaceu on me	bridge.							
	CONDIT	ION RATING			1	PRIORITY						
4					<u> </u>							
1. Failed (may requ			"		A. Immediately							
2. Deficient: OK for o	operations, but	equires Flagn	nan/Inspector for	all trains		in 1 year						
until repaired.	::La	Olave and			1	in 3 years						
3. Satisfactory but w			· · · · · · · · · · · · · · · · · · ·			in 5 years						
4. Worker Safety: ite		andrail, tootwa	iik, etc.)		1	in 10 years						
5. Good with minor e	exceptions					itor, Condition may	y change &					
6. New Bridge					- raise	e priority						
7. Not inspected: Re			1 11 1 2	_	_		40/44/22/2					
Inspecte	a By:	J	oseph Holste, Pl		Da	ate Inspected:	12/11/2019					





	BRIDGE INSPECTION REPORT CONCRETE ABUTMENT								
Span:	Span: 1 Alignment: TANGENT Vert. Clear: 3' Bridge No. 415.69								
DETAIL	DETAILS - ABUT NUMBER: 1					Span Length:	15'		



Description: Looking West - (12) 8"x17" Timber Stringers, Concrete Abutment

Remarks:

- 1. Rot Ballast plank showing signs of decay and is rotten between stringer chords causing ballast leak see photo
- 2. HW Stringers #1, #3, #5, and #7 are hollow
- 3. Fail Stringer #11 is failed and is crushing at pier #2 see photo
- 4. SP Minor spalls in abutment see photo
- 5. CR Cracking in wingwalls see photo
- 6. CRU Stringer 12 crushed at abutment 1 see photo
- 7. Fail Stringer 12 is rotten/failed see photo
- 8. DEB Debris under span see photo
- 9. Holes in ballast see photo

	Inspected By:	Joseph Holste, PE	Date Inspected:	12/11/2019
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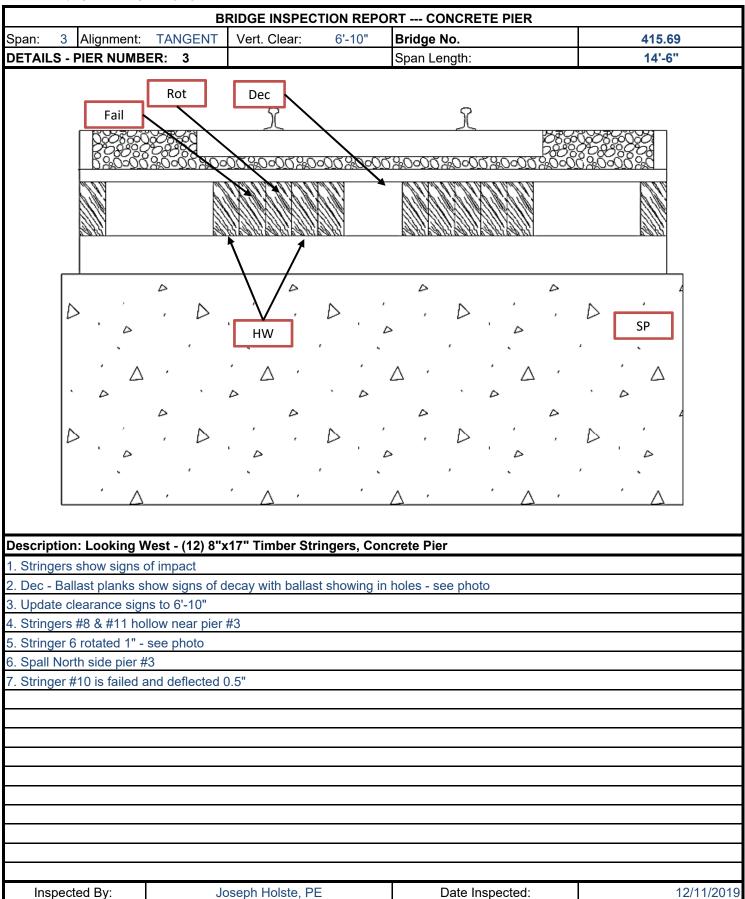


	E	BRIDGE INSPEC	TION REPO	ORT CONCRETE PIER	
Span: 2		Vert. Clear:	6'-7"	Bridge No.	415.69
DETAILS -	PIER NUMBER: 2			Span Length:	15'
	HW A	Fail		HW 9	
	Δ. Δ.				SP
1. SP - Mino 2. Signs of	n: Looking West - (12) 8" or spalls on pier - see pho minor hits on chord and ba llast planks between chord	to allast stringer - se	e photo		

Description: Looking West - (12) 8"x17" Timber Stringers, Concrete Pier 1. SP - Minor spalls on pier - see photo 2. Signs of minor hits on chord and ballast stringer - see photo 3. Dec - Ballast planks between chord are showing signs of decay 4. HW - Stringers #3 and #8 are hollow 5. Deck plank rotten with hole - see photo 6. Spl - Stringer #7 and #11 longitudinal split and bulging 7. Fail - Stringers #10 and #11 are failed 8. Stringer #10 deflected 1.75" - see photo Inspected By: Joseph Holste, PE Date Inspected: 12/11/2019











					CONCRETE ABUTMENT	
		TANGENT	Vert. Clear:	6'-7"	Bridge No.	415.69
ETAILS - ABUT	NUMB	SER: 4			Span Length:	
CRU D.			S S S S S S S S S S S S S S S S S S S			
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	
Minor spalls in Cracking and s	abutme pall in w	nt vingwalls - see	e photo	ngers, Con	crete Abutment	



415.69 Looking East



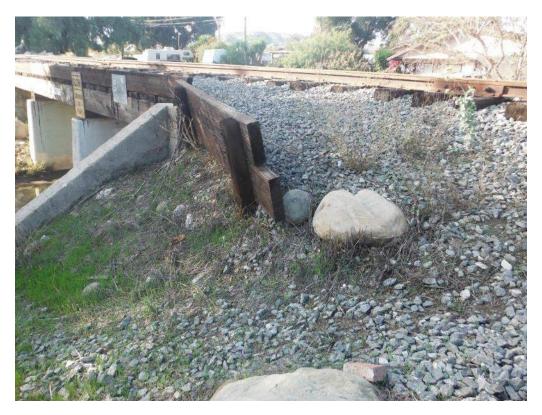
415.69 Looking West



415.69 Looking North



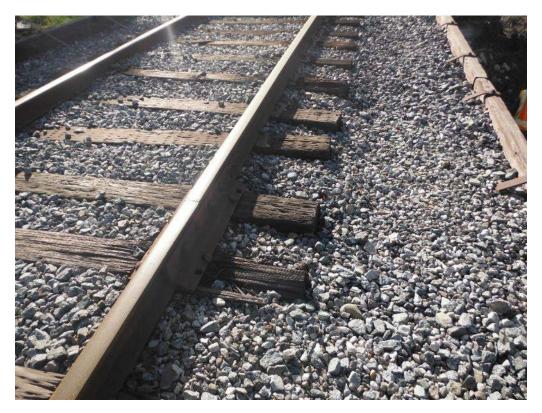
415.69 Looking South



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	E IN:	SPECTIO	N REPO	ORT				
							INS	SPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ON				INSPECTIO	N INFO	RMATION		
Milepost	415.79					•	Date	11-Dec-19) PM	
Location	Santa Paula Br	anch Line	=					or Name	_	oseph Hols		
	Santa Paula, C					-		ne Number		303-501-1	_	
Stream	,		Overpass			Other		Compan				
	erating Speed:	Freight:	-		nger:	-		<u> </u>	, <u> </u>			
DECK	Type:		•		_		Visual C	ondition Rating		5		
	RAIL		80#			Jointed)	isual Condition		3		
		Notes:		_			•		J			
	TIES	Type:	Timber		Tie	Condition	n Rating:	3				
		Notes:	Mostly spl	_			J		_			
	BALLAST	Depth:	9"		last	Condition	n Rating:	3				
		Notes:	Fouled ba	 -			J		_			
	DECK PLANKS	Type:	Timber			Condition	n Rating:	5	Notes:			
•	OTHER	Type:		_					_			
		,,				-			_			
SUPERS ⁻	TRUCTURE											
	Visual Conditio	n Rating	7									
	Type:	Culvert:	Number b	- arrels			Roi	und or Rect		Size		
			Approx Lr	igth.			(Concrete		Steel		
		Bridge:	Steel					Timber	16'-5"	Concrete		
		Type:	Truss				De	eck Girder		Through		
		•	Trestle	-			X			Girder		
			Num Spar	าร		-	2	Approx. S	Span Le	ngths	7'-6"	
		Notes:	•	Е	Balla	st Deck	Γimber T	restle				
										•		
SUBSTRI	UCTURE											
	Visual Conditio	•			7			_				
	Bent:		7	Type		Mudsill	-Timber	_ Note:	s	Bent #2	2	
	Abutment:		7	Type		Con	crete	_ Note:	s	Abut #1 &	ι #3	
	Wingwalls:			Type				_ Note:	s			
	Embank			Type				Notes	_			
	Footing			_Type				_ Note:	s			
	Inaccessible ar	eas:	Abutment	s and pie	ers a	are mostly	/ silted in	1				
STREAM	CHANNEL											
	Visual Conditio	-	N/A	_								
	Stream Depth		Scour Evi	dence				Moving Water				
	Notes											
											<u> </u>	
OVEDAL	L DATING											
OVERAL	L RATING High Priority		Medium P	riority)	X	Low Priority				
	ingiri nonty		- Wicalaili F	Hority				_ LOW I HOTHLY				





MAINLINE/SUBDIVISI		GE INSPECT	ION REPORT -	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		Brace	N/A			
E01 Scour	N/A	S01 Stringers		7	B09 Long Brace		N/A	
E02 Channel	N/A	S02 Line Bolts		N/A	B10 Cap Long Brace		N/A	
E03 Approach	3	S03 Bearing @ Cap		7	B11 Shims		N/A	
DECK		BENTS			MISC. OTHER			
D01 Ties (OD only)	N/A	B01 West Backwall		7	M01			
D02 Ties Spacers	N/A	B02 East Backwall		7	M02			
D03 Rail	3	B03 Caps		7	M03			
D04 Ballast Floor	7	B04 Piles 7 M04						
D05 Ballast Retainer	3	B05 Framed	Bents	N/A				
D06 Footwalk	N/A	B06 Posts		N/A	Overall Rating: 3		3	
D07 Handrail	N/A	B07 Cross Br	aces	N/A				
			COMMENT					
Reference				Remark				
Utility	18"CIP 6' bel	ow top of tie le	eft side plugged,		w existina	ground line		
Ties	Ties are in po		15554,	5 2.25 2510		<u> </u>		
Ballast			ırd are leaning o	out and ballast	is fouled			
Wingwall	North and south ballast guard are leaning out and ballast is fouled No wingwalls							
Ballast	9" ballast							
Handrail	No handrails							
	Could replace	with CMP						
		MAINTEN	NANCE RECOM	MENDATION	S			
Priority				Description				
,	Replace with 3 to 4 - 16" culverts, need hydrology study							
D03	-	Replace rail with heavier section as tonnage dictates						
D05, B	Repair ballas							
E03, B	Add ballast to approaches							
S01, B	Clean channel to allow inspection							
		·						
CONDITION RATING						PRIORITY		
Failed (may require bridge out of service)					A. Immediately			
Deficient: OK for operations, but requires Flagman/Inspector for all trains						B. Within 1 year		
until repaired.					C. Within 3 years			
	but with exceptions: Slow order may be required.					D. Within 5 years		
						E. Within 10 years		
Good with minor exceptions					M. Monitor, Condition may change &			
6. New Bridge						e priority	, onango a	
Not inspected: Reason stated						. ,		
· ·	cted By: Joseph Holste, PE				Da	ite Inspected:	12/11/2019	





BRID	GE INSPECTION	REPORT	CONCRETE ABUTMENT	
Span: 1 Alignment: TANGENT	Vert. Clear:	1'	Bridge No.	415.79
DETAILS - ABUT NUMBER: 1			Span Length:	7'-6"
CR CR			S C S C S C S C S C S C S C S C S C S C	
Description: Looking West - (12) 11- Remarks: 1. CR - Cracked stringer retainer	3/4"x11-3/4" Tim	ber String	ers, Concrete Abutment	
Inspected By: Jo	oseph Holste, PE		Date Inspected:	12/11/201





T					ORT TIMBER BENT	T
Span: 2 Ali DETAILS - BEN	gnment:	TANGEN	T Vert. Clear:	1'	Bridge No.	415.79
DETAILS - BEN	NT NUMBI	ER: 2			Span Length:	7'-6"
Remarks:	JOKING W	est - (12) 1	11-3/4"x11-3/4" Tir	ilber String	ers, Timber Bent	
1. Possible sup	norted on	mudeill				
Could not ins	nect due t	niuusiii O siltina				
z. Odulu Hot IIIS	poor due t	o onung				
Inspected	Ву:		Joseph Holste, PE		Date Inspected:	12/11/2019





	BRID	GE INSPECTION REPORT -	CONCRETE ABUTMENT	
Alignment:	TANGENT	Vert. Clear:	Bridge No.	415.79
DETAILS - ABUT NUM	BER: 3		Span Length:	
CR			Scoss coos coos coos coos coos coos coos	
Description: Looking E	ast - (12) 11-3	3/4"x11-3/4" Timber Stringe	rs, Concrete Abutment	
Remarks:				
1. CR - Cracked stringer	retainer			
2. Could not inspect due	to silting			
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	INSPECTION	ON REPO	ORT				
						INS	SPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	415.82					Date	11-Dec-19	Time	3:00) PM	-
Location	Santa Paula Br	anch Line	-			Inspecto	or Name	_ J	oseph Hols		-
	Santa Paula, C	A					ne Number		303-501-1	215	-
Stream			Overpass		Other	X	Company	/ N	/ilson & Coi	mpany	-
Train Ope	erating Speed:	Freight:	10 mph	Passeng	ger: 15 mph		_				_
DECK	Type:	Ballasted	Number o	f Tks	1	Visual C	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	3	_	
		Notes:				_					_
	<u>TIES</u>	Type:	Timber	_ T	Tie Conditio	n Rating:	5	_			_
		Notes:									_
	BALLAST	Depth:	9"	Balla	ast Conditio	n Rating:	5	_			
		Notes:									_
	DECK PLANKS	Type:	Timber	_	Conditio	n Rating:	5	_Notes:			_
	<u>OTHER</u>	Type:			Conditio	n Rating:	:	_			
SIIDEDS	TRUCTURE										
OOI LIKO	Visual Conditio	n Rating	5								
	Type:	•	Number b	_ arrels		Ro	und or Rect		Size		
	1) [0.	Odivort.	Approx Lr				Concrete		Steel		_
		Bridge:	Steel	igui.		_	Timber	15'-11"	Concrete		_
		Type:	Truss			_ D:	eck Girder		Through		-
		. , , ,	Trestle			_			Girder		
			Num Spai	ns		2	Approx. S	Span Le		7'-7"	-
		Notes:			Deck Timbe	r Trestle	- Built 1958				- -
SUBSTR	UCTURE										
SUBSIK	Visual Conditio	n Rating			3						
	Bent:	g	3	Туре		nber	– Notes	Bent #2	2- Stringers r	not bearing c	on cap
	Abutment:		5	Type		ncrete			Abut #1 &		<u>-</u> σα.β
	Wingwalls:		3	Type		ncrete	_		7.000777		-
	Embank			Type			- Notes				_
	Footing			Type	-		- Notes				
	Inaccessible ar	eas:		_			_				_
STREAM	CHANNEL	. Datina	NI/A								
	Visual Conditio Stream Depth	0	N/A Scour Evi	<u> </u>			Moving Water				
	Notes		_OCOUI EVI	derice			_ Woving Water				-
											- -
OVERAL	L RATING										
OVERAL	High Priority		Medium F	Priority			Low Priority		X	_	
									<u></u> _		





,	RPID	GE INSDECT	ION REPORT	TIMBED ST	DIICTIIDE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	415.82	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:		Overall Length:	15'-11"	
ENVIRONMENT	!	STRINGERS		Dr. Over.	B08 Sash		N/A	
E01 Scour	5	S01 Stringers		5	B09 Long		N/A	
E02 Channel	5	S02 Line Bolt		N/A		ong Brace	N/A	
E03 Approach	3	S02 Line Bolt		3	B11 Shims		N/A	
DECK	3	BENTS	ш Сар	3	MISC. OTHER			
D01 Ties (OD only)	N/A		tment & Wingwalls	3	M01	IILIX		
D02 Ties Spacers	N/A		ment & Wingwalls	3	M02			
D03 Rail	3	B03 Caps	ment & Wingwans	5	M03			
D04 Ballast Floor		B04 Pier		3	M04			
D05 Ballast Retainer		B05 Framed I	Rents	N/A	IVIOT			
D06 Footwalk		B06 Posts	Dente	N/A	Ove	rall Rating:	3	
D07 Handrail		B07 Cross Br	aces	3			9	
Don Harraran	14/24	DOT 01000 DI		_				
			COMMENTS					
Reference				Remark				
Wingwalls				e ballast loss,	undermine	d all 4 corners - s	ee photo	
Structure		ridge has been burned- Fire damage						
Ballast		allast plank 3" x 12", 9" of ballast, low ballast E/W approaches						
Headwall			s broken on left a	nd right side				
Ballast Retainer	North ballast r							
Drainage	Trash accumu	ılation under s	structure					
		MAINTEN	NANCE RECOM	MENDATION	S			
Priority				Description				
D03	Replace rail w	ith heavier se	ction as tonnage	dictates				
B01, B02, D05, B	Repair wingwa	alls and head	wall retainer, both	n ends				
B07, B	Replace sway							
E03, B	Add ballast at	approaches						
B04, B11, S03, A	Shim pier to p	rovide bearing	9					
	CONDIT	ION RATING	i			PRIORITY		
1. Failed (may requi	re bridge out o	f service)			A. Imme	ediately		
Deficient: OK for or			nan/Inspector for	all trains		n 1 year		
until repaired.	,	,	,	-	-	in 3 years		
Satisfactory but wit	h exceptions:	Slow order m	ay be required.		1	in 5 years		
Worker Safety: iten	•				1	in 10 years		
5. Good with minor ex		,	· /			itor, Condition ma	v change &	
6. New Bridge						priority	, <u></u>	
7. Not inspected: Rea	ason stated					. ,		
Inspected		J	loseph Holste, Pl		Da	te Inspected:	12/11/2019	





		BRID	GE INSPECTION	REPORT	CONCRETE ABUTMENT	
Span: 1 A	lignment:	TANGENT	Vert. Clear:	4'	Bridge No.	415.82
DETAILS - AE					Span Length:	7'-7"
CR			SCOSSIONS OF THE PROPERTY OF T		S. 2000 200 200 200 200 200 200 200 200 2	CR D. A.
	Looking V	Vest - (12) 11-	3/4"x11-3/4" Tim	ber String	ers, Concrete Abutment	
Remarks:			talaa aas oo loo sa			
			ides - see photo			
		additional move				
3. Charing is a	ipproximat	tely 1/4" - see բ	onoto			
Inspected	Ву:	Jo	seph Holste, PE		Date Inspected:	12/11/201





	BRIDGE INSPECTION REP	PORT TIMBER BENT	
Span: 2 Alignment: TANGENT	Vert. Clear: 4'	Bridge No.	415.82
DETAILS - BENT NUMBER: 2		Span Length:	7'-7"
Char		Secondary Control of the control of	
Description: Looking East - (12) 11	-3/4"x11-3/4" Timber String	gers, Timber Bent	
Remarks:			
1. Char - Charing is approximately 1/			
2. Sway braces have been burned ar		o longer functional - see photo	
3. No bearing on cap, shims not func	tional		





		BRID	GE INSPECTION	REPORT -	CONCRETE ABUTMENT	
	Alignment:	TANGENT	Vert. Clear:		Bridge No.	415.82
DETAILS -			vert. Olear.			410.02
CR CR	ABUT NUME	3ER: 3			Span Length:	CR D
	n: Looking E	ast - (12) 11-3	3/4"x11-3/4" Timb	er Stringe	rs, Concrete Abutment	
Remarks:	o opproving st	oly 1/4"				
	s approximat		sidos			
∠. UK - Stří	nger retainer	cracked both s	sides			
Inspec	ted By:	Jo	seph 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





				BRIDG	E IN:	SPECTIO	N REPO	ORT				
							INS	SPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ON				INSPECTIO	N INFO	RMATION		
Milepost	415.92					•	Date	11-Dec-19	Time	3:10) PM	ı.
Location	Santa Paula Br	anch Line	-				Inspecto	or Name	-	oseph Hols		
	Santa Paula, C	A				-		ne Number				
Stream			Overpass					Company				
Train Ope	erating Speed:	Freight:			nger:			-				
DECK	Туре:	Ballasted	Number o	f Tks		1	Visual C	ondition Rating		3		
	RAIL		-					isual Condition	•	3		
		Notes:		_			1					
	TIES	Type:	Timber		Tie	Condition	n Rating:	3				
		Notes:	Poor cond									
	BALLAST	Depth:	8"	Ва	llast	Condition	n Rating:	3				
		Notes:	Holes in b									
	DECK PLANKS	Type:	Timber			Condition	n Rating:	3	Notes:			
	<u>OTHER</u>	Type:				Condition	n Rating:		_			
SUPERS	TRUCTURE											
	Visual Conditio	n Rating	3	_								
	Туре:	Culvert:	Number b	arrels			Ro	und or Rect		Size		_
			Approx Ln	ngth.			(Concrete		Steel		_
		Bridge:	Steel					Timber	15'-11"	Concrete		-
		Type:	Truss				De	eck Girder		Through		
			Trestle				Χ			Girder		-
			Num Spar	าร			2	Approx. S	Span Lei	ngths	7'-7"	_
		Notes:		Ballas	t Dec	ck Timber	r Trestle	- Built 1897				•
SUBSTRI		D. 4:			0							
	Visual Conditio	n Rating		T	3	T:		_ N1-4		D t -#4	2	
	Bent:		5	_Type			nber		·			•
	Abutment:		3	_Type			crete	_		Abut #1 &		•
	Wingwalls:		3	_Type		Con	crete	Notes	·			Ī
	Embank			_Type								
	Footing			_Type				Notes	·			Ī
	Inaccessible ar	eas.										ı
	0114111151											
STREAM	CHANNEL Visual Conditio	n Patina	5									
	Stream Depth	•	Scour Evi	_ dence				Moving Water				
	Notes							gg				ı
												•
OVERALI												
	High Priority	X	Medium P	riority				Low Priority				

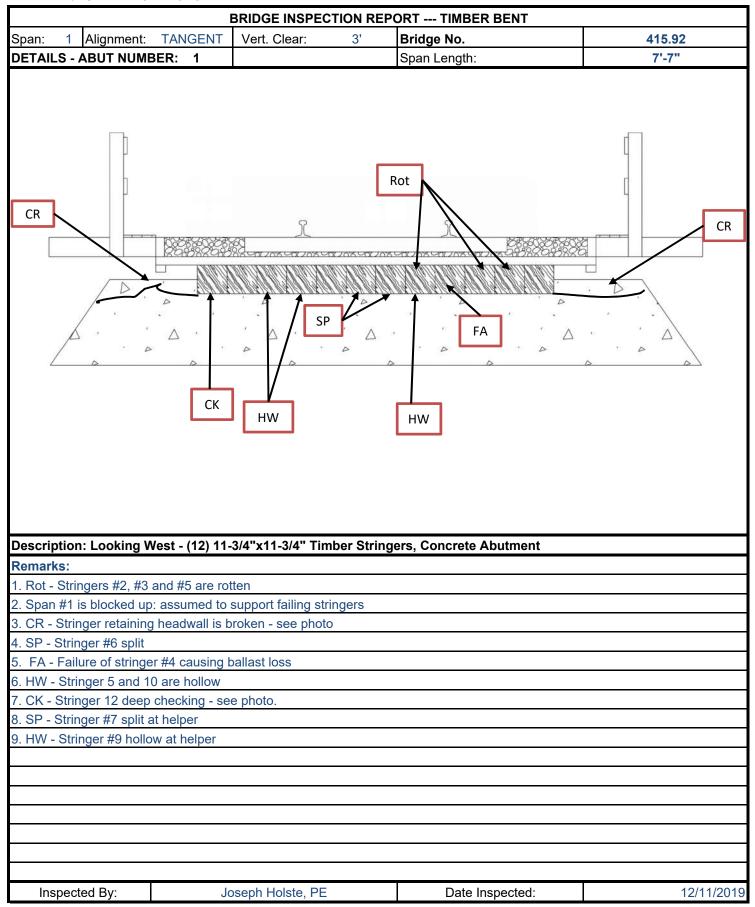




BRIDGE INSPECTION REPORT TIMBER STRUCTURE									
Spans:	2	Alignment:	Tangent	Vert. Clear:	3'-8" Bridge No.	415.92			
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage Overall Length:	15'-11"			
ENVIRONMENT		STRINGERS			B08 Sash Brace	N/A			
E01 Scour	5	S01 Stringers	•	3	B09 Long Brace	N/A			
E02 Channel	5	S02 Line Bolt	S	N/A	B10 Cap Long Brace	N/A			
E03 Approach	5	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	ment & Wingwalls	3	M02				
D03 Rail	3	B03 Caps		5	M03				
D04 Ballast Floor	3	B04 Pier 5		M04					
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A					
D06 Footwalk	3	B06 Posts N/A		N/A	Overall Rating:	3			
D07 Handrail	3	B07 Cross Br	aces	N/A					
			COMMENTS	3					
Reference				Remark					
Wingwall	All four wingw	alls are failing							
Ballast		here is a hole in ballast planks, low ballast across bridge - see photo							
Walkway		neven surface - tripping hazard							
Handrail	_								
Headwall		eaning all 4 corners - see photos Stringer retaining headwall is cracked at both abutments							
Debris	Debris under		o oracitod at both	Tabatmonto					
Wingwall	NW wingwall		photo.						
		MAINTEN	IANCE RECOMI	MENDATION	<u> </u>				
D : ''									
Priority	Davida a a atmos	4	NAII 2011 ONAD A	Description					
D00	<u> </u>		24" or 30" CMP. I		ogy study.				
D03			ction as tonnage		together at the feether.				
D04, B	· ·			•	intained as a bridge				
D06, A	-		ce and is a trippir	ig nazaro					
S03, B	Shim helper b								
S01, A	Replace failed		ningers						
D07, B	Repair handra								
B01, B02, B	Repair wingw		montine (O 11	-> 4 '	had hadalana to formation (1997)				
			'	,	he bridge is functional until re	epairs are			
		TION RATING	er of 10 mph be p	Diaced on the	PRIORITY				
			· · · · · · · · · · · · · · · · · · ·						
1. Failed (may requ					A. Immediately				
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector for	all trains	B. Within 1 year				
until repaired.					C. Within 3 years				
Satisfactory but w					D. Within 5 years				
4. Worker Safety: ite		andrail, footwa	alk, etc.)		E. Within 10 years				
5. Good with minor 6	exceptions				M. Monitor, Condition may	y change &			
6. New Bridge					- raise priority				
7. Not inspected: Re									
Inspecte	d By:	J	oseph Holste, Pl		Date Inspected:	12/11/2019			



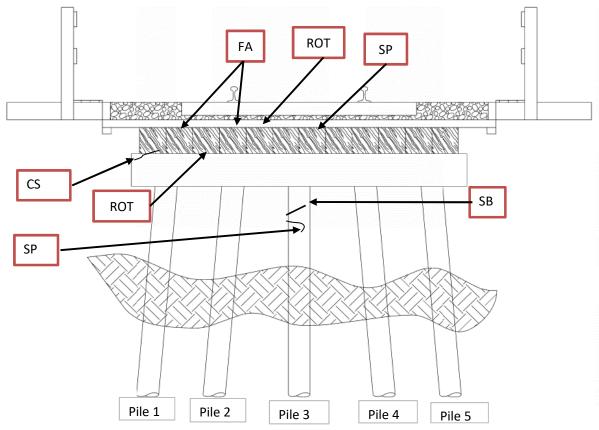








BRIDGE INSPECTION REPORT TIMBER BENT										
Span:	2	Alignment:	TANGENT	Vert. Clear:	3'	Bridge No.	415.92			
DETAILS - BENT NUMBER: 2 Span Length:							7'-7"			



Description: Looking East - (12) 11-3/4"x11-3/4" Timber Stringers, Timber Bent

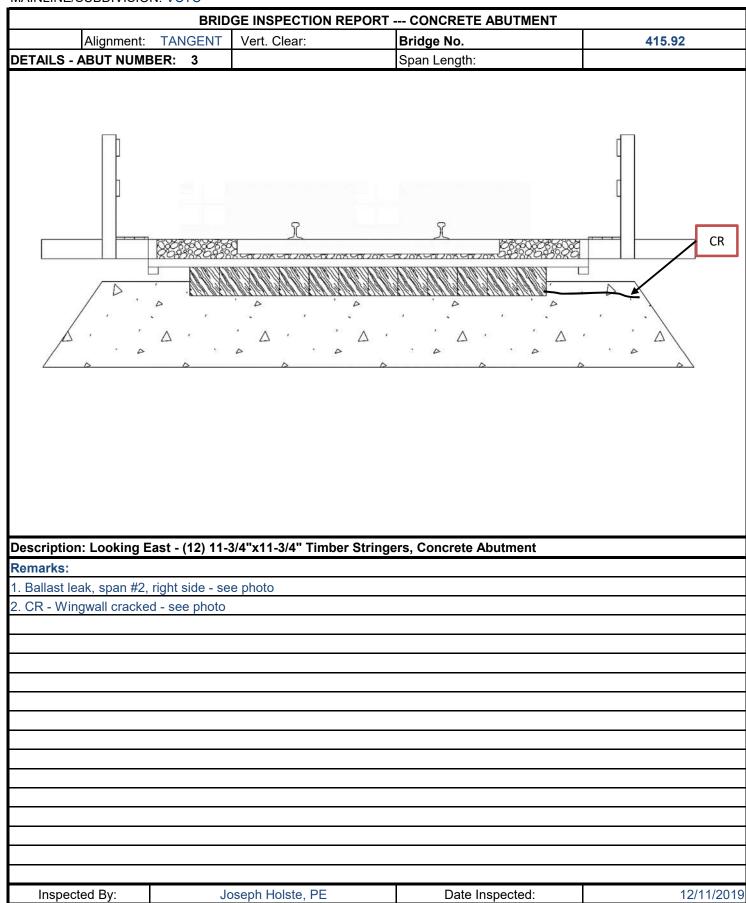
Remarks:

- 1. Blocking pushed down, no longer supporting stringers. Shim tight against stringers
- 2. FA Stringer #4 failed
- 3. ROT Stringer #5 rotten and hollow
- 4. FA Stringer #2 failed at pier 2 see photo
- 5. ROT Stringer #3 rotten
- 6. SP Stringer #7 split
- 7. Stringers #1, #2, #3, and #4 not bearing on helper bent
- 8. CS Bent cap split
- 9. SP, SB Pile 3 split and wrapped with steel band

Inspected By:	Joseph Holste, PE	Date Inspected:	12/11/2019









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	rm			
DIVISION	Santa Paula	a	CULVERT N	NO.	ЛР 416.21	TYPE OF CULVERT	(3) 4'X8' CBC		
BRANCH	Santa Paula	NO. OF SPANS	3	Length of Culvert	37'	LOCATION	Santa Paula, CA		
OVERALL RAT			ATERWAY		OF TRACKS	LOCATION	YEAR BUILT		
012.012.01	5		RAINAGE	,,,,,	1		2018		
	OENED AL		CONDITION				N/O		
ITEM 1	GENERAL Action Under Trains		RATING 7	No Trains		REMAR	rks		
2	Embankment		6	140 Hallio					
3	Track Over Culvert		6						
	STREAM CONDITI	ONS							
4	Alignment	ONS	6						
4 5	Channel		6						
			N/A						
6 7	Paving Through Culvert		N/A N/A	-					
	Rip Rap Sheet Piling Protection		N/A N/A	-					
8	<u> </u>		CLEAN	-					
9	Cleanliness		CLEAN	-					
4.0	MASONRY		NI/A						
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						
	1. Concrete spall at joint 2. All interior joints need		•	b, cell 3. Rel	oar exposed. S	ee photo			
Remarks:	3. Soil cover above struc	ture is be	tween 3' to 4'						
r torriarito.	4. Needs handrail along I	neadwalls	•						
	NOTI	E ANY SCOL	JR, SETTLEMENT,	DISTRESS, SLII	DE FAILURE, BACK	WATER OR OBSTRUC	CTION.		
	CON	IDITION	RATINGS				PRIORITY		
1. Failed	I (may require bridge out					A. Immedia			
	ent: OK for operations, bu			pector for a	II trains	B. Within 1			
	epaired.		<u> </u>			C. Within 3			
	actory but with exceptions	s: Slow o	rder may be re	equired.		D. Within 5	•		
	er Safety: items such as (E. Within 1			
	with minor exceptions			-		M Monitor,	Condition may		
6. New E						change 8	& raise priority		
7. Not in	spected: Reason stated								
TYPE OF CULV	VERTS: PIPE	CAST IRO	N	ARCH -	STONE	BOX - ST	ONE		
		STEEL			CONCRETE	CC	ONCRETE		
		CONCRET	Έ	•	BRICK	R/	AIL TOP		
Insp	ector: Jose	eph Holst	te, PE	Date	Inspected:		12/12/2019		
	•			•		•			





				CULVERT INSPECT	TION REPORT	
Spans:	3 \	Vaterway		Type of Culvert (3) 4'X8' C		MP 416.21
ETAIL	.S - AI	BUT NUMI	BER: 1 & 2		Length of Culvert:	37'
, A						
emark Joints	s need	l to be grou		Culvert I top slab. Rebar exposed. S	See photo.	
Inc	pecte	d Bv:		loseph Holste, PE	Date Inspected:	12/12/2019



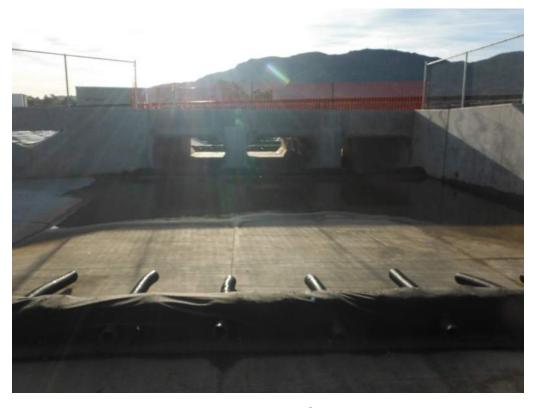
416.21 Looking East



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	ISPECTIO	N REPO	ORT				
						INS	SPECTION TYP	E:	An	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION		
Milepost	416.32		-			Date	12-Dec-19			O AM	•
Location	Santa Paula Br	anch Line	=				or Name	_	oseph Hols		•
	Santa Paula, C				_		ne Number		303-501-1		
Stream	X - Haun (Overpass		_ Other	•		/ V	Vilson & Co		
	erating Speed:		-	Passenge			_				
DECK	Type:		Number o		1	V	/isual Condition	Rating:	5		
	RAIL	Weight:	80#	Type:	Jointed	•	isual Condition			-	
		Notes:	West app	roach is low	, rail is ho	rizontally	y kinked at west	abutme	ent	_	
	TIES	Type:	Timber				5				•
		Notes:		_							_
	BALLAST	Depth:		Ballast	t Conditio	n Rating:	1	_			-
		Notes:									_
	DECK PLANKS	Type:		_	Condition	n Rating:		Notes:			_
	<u>OTHER</u>	Type:			_Conditio	n Rating:		_			
CUDEDO:	TRUCTURE										
SUPERS		n Dating	E								
	Visual Conditio	_	5 Number b	_ orrolo		Po	und or Rect		Size		
	Type:	Culvert.							Steel		
		Dridge	Approx Lr Steel	igui. 4!		•	Concrete Timber		•	X	-
		Bridge: Type:	Truss	43	3	D	eck Girder		Concrete Through		-
		rype.	Trestle				eck Gildei		Girder		•
			Num Spai			3	Approx. S	Snan I e	•	14'-6", 15',	14'-6"
		Notes:	rtum opai				_ — Дрргох. с - Built 2018	эран со	riguis	14-0 , 10 ,	14-0
				•					-		•
SUBSTR	-	5 "		_							
	Visual Conditio	n Rating		5	T:	- l	_ NI	_	D + #0 G	. 40	
	Bent:		5	_Type		nber	_	S	Bent #2 8		-
	Abutment:		5	_Type		one	_		Abut #1 8		
	Wingwalls:		5	_Type	50	one	_			und abutme	-
	Embank			_Type			_ Notes	·			-
	Footing			_Type			_ Notes	·			-
	Inaccessible ar	eas.									•
STREAM	CHANNEL										
	Visual Conditio	n Rating	5	<u></u>							
	Stream Depth		Scour Evi	dence			_Moving Water		no		_
	Notes										-
											-
OVERALI	L RATING										
	High Priority		Medium F	Priority			Low Priority	Χ	_		
			=				=		-		





MAINLINE/SUBDIVISI		GE 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 Sasl	h Brace	5
E01 Scour	5	S01 Stringers		5	B09 Long	g Brace	N/A
E02 Channel	3	S02 Line Bolt		N/A	11	Long Brace	N/A
E03 Approach	3	S03 Bearing		5	B11 Shin		5
DECK		BENTS	<u> </u>		MISC. O		
D01 Ties (OD only)	N/A	B01 West Ab	utment	5	M01		
D02 Ties Spacers	N/A	B02 East Abu		5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	N/A	B04 Piles		5	M04		
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Ov	erall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	5	1	J	
	<u> </u>	<u> </u>	COMMENT	·e	J. I.		I.
Reference	T		COMINEMI	Remark			
Handrail	No handrail			INCIIIAIK			
Wingwall		nd wingwalls. S	See photo				
vvingwaii Ballast		er rotated at al					
Dallast	Dallast Tetali I	er rotated at at	butilient i				
	1						_
		MAINITEN	NANCE RECOM	IMENDATION	<u> </u>		
Priority	T	WAINTEN	VANCE RECOIV	Description	<u> </u>		
E03, B	Paice and etr	aighten west a	nnroach	Description			
	E03, B Raise and straighten west approach D03 Replace rail with heavier section as tonnage dictates						
E02, A					ont water	from hitting strings	re-
E02, A	bridge rias sii	ted in more, ci	namer needs ci	earning to prev	ent water	Irom milling stringe	15
	1						
	1						
	1						
	1						
	CONDI	TION RATING	<u> </u>			PRIORITY	
1. Failed (may regu	uire bridge out o		1		A. Imn	nediately	
2. Deficient: OK for			man/Inspector fo	or all trains	+	nin 1 year	
until repaired.	oporations, but	roquiros r iagri	nan, mapootor ic	, un numb	-	hin 3 years	
Satisfactory but w	ith excentions:	Slow order m	av he required		+	hin 5 years	
Worker Safety: ite			· · · · · · · · · · · · · · · · · · ·		1	hin 10 years	
 Worker Salety. Ite Good with minor e 		anuran, iootwa	ain, Glu.)		+	•	v obone o
6. New Bridge	evoehiioiis					nitor, Condition ma	y cnange &
7. Not inspected: R	eason stated				- rais	se priority	
Inspected. R			loseph Holste, F	OF .	 	ate Inspected:	12/12/201
mspecie	ч Бу.	J	osepii i ioisie, F		<u> </u>	ate moperieu.	12/12/2013



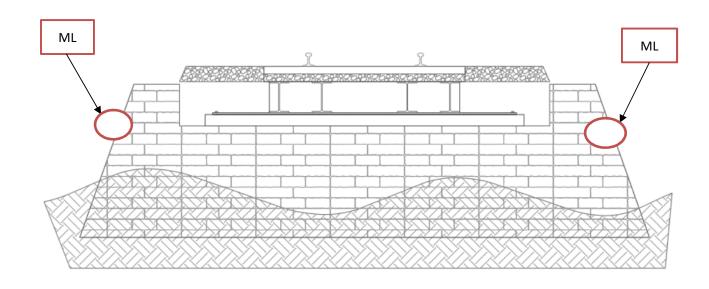


12/12/2019

MAINLINE/SUBDIVISION: VCTC

Inspected By:

			BR	IDGE INSPECTI	ON REPO	RT STONE ABUTMENT	
Span:	1	Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32
DETAIL	LS -	ABUT NUME	BER: 1			Span Length:	14'-6"



Description: Looking West - (4) Steel Stringers, Stone Abutment	
Remarks:	
ML - Material loss north and south sides of wingwalls - see photos	
2. Backwall leaning against tie	

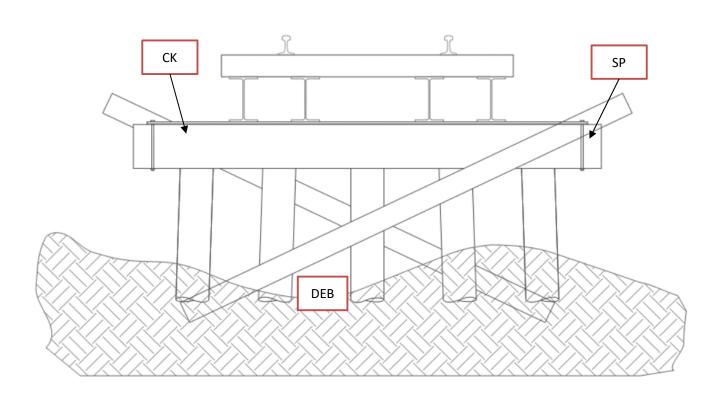
Date Inspected:

Joseph Holste, PE





		BRIDGE INSPECTION REPORT TIMBER BENT						
Span:	2	Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32	
DETAI	LS -	BENT NUME	BER: 2			Span Length:	15'	

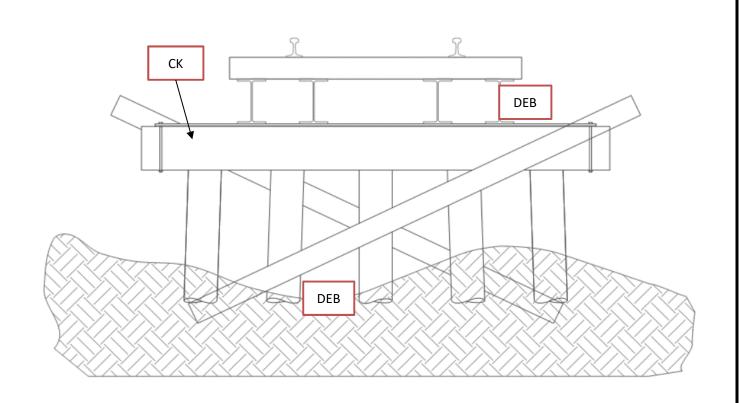


emarks:		
CK - Checking in cap		
SP - Vertical split in cap - see	photo	
DEB - Debris on piles - see pho	oto	





			BRIDGE INSPE	CTION RE	PORT TIMBER BENT	
Span:	3 Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32
DETAI	LS - BENT NUME	BER: 3			Span Length:	14'-6"



Danasistias I anks Frat	(4) Otaal Otain war Timber Bank		
Remarks:	(4) Steel Stringers, Timber Bent		
CK - Checking in cap			
2. DEB - Debris on beam bott	om flanges		
3. DEB - Debris on piles			
•			
Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019





All.S - ABUT NUMBER: 4 Span Length: 14'-6" ML MI MI MI MI MI MI MI MI MI				STONE ABUTI	IENT .	
cription: Looking East - (4) Steel Stringers, Stone Abutment		Alignment: TANGENT	Vert. Clear:			
cription: Looking East - (4) Steel Stringers, Stone Abutment	AILS	- ABUT NUMBER: 4		Span Length:		14'-6"
arks:		ML				ML
	arks:					



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 II	NSPECTIO	ON REPO	ORT			
						INS	SPECTION TYPE	Ē:	Ann	nual
	STRU	CTURE IN	IFORMATI	ON			INSPECTION	N INFO	RMATION	
Milepost	416.63					Date	12-Dec-19	Time	9:00	AM
Location	Santa Paula B	ranch Line	_			Inspecto	or Name	J	oseph Holst	te, PE
	Santa Paula, C	A					ne Number		303-501-1	215
Stream			Overpass	i	Other	X	Company	V	/ilson & Cor	mpany
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph		_			
DECK	Type:	Open	Number o	of Tks	1	Visual C	Condition Rating		5	
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition F	Rating:	3	
	·	Notes:	Both appr	oaches are	low, rail jo	oints mis	aligned	_		
	TIES	Type:	Timber	Tie	e Conditio	n Rating:	: 5			
	· · · · · · · · · · · · · · · · · · ·	Notes:								
	BALLAST	Depth:		Ballas	t Conditio	n Rating:	:			
		Notes:		_						
	DECK PLANKS	Туре:			Conditio	n Rating:	:	Notes:		
	OTHER	Type:		_	Conditio	n Rating:	:			
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	-	Number b	arrels		Ro	und or Rect		Size	
	• •		Approx Lr	ngth.			Concrete		Steel	
		Bridge:	Steel	•	2'	•	Timber		Concrete	
		Type:	Truss			D	eck Girder	Х	Through	
		71	Trestle			•	-		Girder	
			Num Spa	ns		1	Approx. S	oan Le		11'-3"
		Notes:	•		Rolled Ste					
SUBSTR	UCTURE									
	Visual Condition	n Rating		5						
	Bent:			Туре			Notes			
	Abutment:		5	Туре	Tin	nber	Notes		Abut #1 &	#2
	Wingwalls:		5	Туре	Tin	nber				
	Embank			Туре			Notes			
	Footing			Type			- Notes			
	Inaccessible a	reas:		_			_			
										_
STREAM	I CHANNEL									
	Visual Condition	n Rating	5							
	Stream Depth		Scour Evi	dence	Y	es	_Moving Water		No	
	Notes	2' Scour	at upstrear	n culvert - s	ee photo					
OVERAL	L RATING									
	High Priority		_Medium F	riority			_Low Priority		X	





WAINEINE/OODDIVIO		GE INSPECT	ION REPORT -	TIMBER ST	RUCTURE	
Spans:	1 1	Alignment:	Tangent	Vert. Clear:	4' Bridge No.	416.63
No. of Tks:	1	Deck Type:	Open	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		5	B10 Cap Long Brace	N/A
E03 Approach	3	S03 Bearing		5	B11 Shims	N/A
DECK		BENTS	<u> </u>		MISC. OTHER	
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 approaches are low, ra	
D04 Ballast Floor	N/A	B04 Piles		5	M04	
D05 Ballast Retainer	N/A	B05 Framed	Bents	5		
D06 Footwalk	N/A	B06 Posts		5	Overall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	N/A		
_		-	COMMENT	'S		
Reference				Remark		
	No handrail,	No walkway				
		tten and broke	n - see photo			
Wingwalls	Erosion at all		•			
J						
		MAINTEN	NANCE RECOM	MENDATION	S	
Priority				Description		
E03, B	Raise approa					
D03	Replace rail a	as appropriate	for tonnage			
B01, B02	Repair backv	vall locations th	nat are leaking			
	CONDI	TION RATING			PRIORITY	
1. Failed (may requ			'		A. Immediately	
2. Deficient: OK for			nan/Inspector fo	or all trains	B. Within 1 year	
until repaired.	operations, but	roquiros r lagi	nan/mapeolor it	an danis	C. Within 3 years	
3. Satisfactory but w	ith exceptions:	Slow order m	ay he required		D. Within 5 years	
4. Worker Safety: ite	·	ianuran, 100tWa	ain, eic.)		E. Within 10 years	
5. Good with minor of	exceptions				M. Monitor, Condition may	cnange &
6. New Bridge	oooon otataal				- raise priority	
7. Not inspected: R		 	laaamh I I-I-t- P		Data Is a satural	40/40/004
Inspecte	a By:	J	loseph Holste, F	仁	Date Inspected:	12/12/201

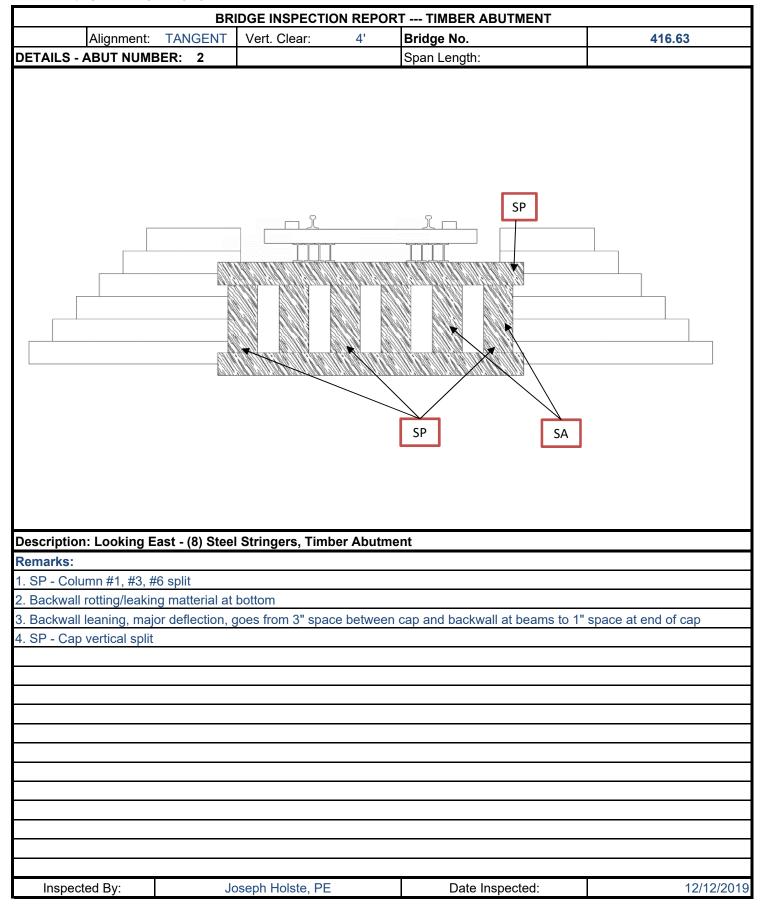




BR	RIDGE INSPECTION	N REPOR	T TIMBER ABUTMENT	
Span: 1 Alignment: TANGENT	Vert. Clear:	4'	Bridge No.	416.63
DETAILS - ABUT NUMBER: 1			Span Length:	11'-3"
		CK SP		
Description: Looking West - (8) Ster	er Stringers, Tillit	Jei Abutiiit	511L	
Minor surface rust on stringers				
Backwall leaning - see photo				
3. SP - Columns #2, #4, #6 split				
4. Backwall rotting/leaking material at	hottom - see nhote	<u> </u>		
5. CK - Columns #1, #2, #5 deep ched				
σ. σ.ς - σοιαιτιπο π τ, π2, πο ασσρ σποσ	aniig .			
Increased Day	annin Halata DE		Data Incorporate d	40/40/004
Inspected By: J	oseph Holste, PE		Date Inspected:	12/12/201









416.63 Looking East



416.63 Looking West



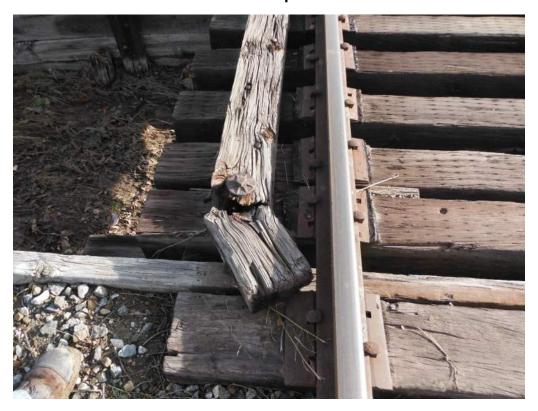
416.63 Looking North



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 I	NSPECTIO	N REPO)RT				
						INS	PECTION TYP	E:	An	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION		
Milepost	417.24					Date	12-Dec-19	Time	9:2	5 AM	-
Location	Santa Paula Br	anch Line	-			Inspecto	r Name	_	loseph Hols		-
	Santa Paula, C	Α					ne Number		303-501-	1215	-
Stream	X		Overpass		Other		Company	V	Vilson & Co	mpany	-
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph		•				-
DECK	Type:	Ballasted	Number o	f Tks	1	Visual C	ondition Rating		3	_	
	RAIL	Weight:	80#	Type:	Jointed	Vi	isual Condition l	Rating:	3	<u></u>	
		Notes:	Horizontal	rail misali	gnment at	west side	of bridge, dip a	t road	crossing		_
	<u>TIES</u>	Type:	Timber	_ Ti	ie Conditio	n Rating:	3	_			
		Notes:									_
	<u>BALLAST</u>	Depth:	11"	Ballas	st Condition	n Rating:	5	-			
	DECK PLANKS	Notes:	Timber		Condition	n Pating:	5	Notes			-
	OTHER	Type:	TITIDEI	_			<u> </u>	_INUIGS	•		-
	OTTLK	i ype.			Condition	i ixaurig.		_			
SUPERS	TRUCTURE										
oo. Eno	Visual Conditio	n Rating	3								
	Type:	_	Number b	– arrels		Rou	und or Rect		Size		
	. , p = .		Approx Ln			•	Concrete		Steel		-
		Bridge:	Steel	.9		•	Timber	75'	-		-
		Type:	Truss			•	eck Girder		Through		-
		31	Trestle			X	-		Girder		
			Num Spar	าร		5	Approx. S	pan Le	-	15'	-
		Notes:			llast Deck	Timber Tr	restle		_		_
									_		_
SUBSTRI											
	Visual Conditio	n Rating		3							
	Bent:		3	_Туре	Tin	nber	Notes		ent #2, #3,		_
	Abutment:		5	_Type		nber	•		Abut #1 8	<u> </u>	_
	Wingwalls:		3	_Type	Tim	nber	Notes				_
	Embank			_Type			Notes				-
	Footing			_Type			Notes				_
	Inaccessible ar	eas:									-
STREAM	CHANNEL Visual Conditio	n Patina	3								
	Stream Depth	ITTalling	Scour Evi	_ dence	Mi	nor	Moving Water		No		
	Notes	Lots of de	ebris and la				, g				-
		_					_				- -
OVERALI	L RATING	v	M- " -	tt+			Law D. L. W				
	High Priority	X	Medium P	riority			Low Priority			=	





			ION REPORT	_	1			
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	3	B09 Long	Brace	5	
E02 Channel	3	S02 Line Bolt		N/A		Long Brace	N/A	
E03 Approach	3	S03 Bearing (@ Сар	5	B11 Shim		5	
DECK		BENTS			MISC. OT	HER		
D01 Ties (OD only)	N/A	B01 West Bad		3		t Wingwall	3	
002 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	5	B06 Posts		N/A	Ove	erall Rating:	3	
007 Handrail	4	B07 Cross Br	aces	5				
			COMMEN.	гs				
Reference		Remark						
	Wingwall on	east end south		end winaw	all undermined. W	ingwall on		
Wingwall		rthwest side is			an anaominoa. W	ingwall on		
						g midrail on north	and south	
Handrail	sides - see p	•	ory poor corruit	on, top rail rota	itou, miloom	g maran on noran	and codin	
Utility			bove and below	v ground				
Backwall			ng and rotten.		ckwall rotte	n and leaning		
		MAINTEN	IANCE RECO	MMENDATION	S			
Priority				Description				
Α	Remove veg	etation under a	nd around brid	ge and on tracl	KS			
Α	Replace bad	track ties						
E01, E02, B	Clear boulders	, trees and other	r debris from und	ler bridge to allo	w maximum	flow and prevent dar	nage to pile	
D03	-i	o rail as require				·		
D04, A	Replace balla	ast planks with	stringer replac	ement. Monitor	condition			
S01, A	Replace bad	•						
B01, B02, B/C	Repair Backwa	alls						
E01, E02, B	Repair erosion	around wingwal	lls					
E03, B	Correct rail a							
,		•	pection (3 mon	ths) to assure	the bridge i	s functional until re	pairs are	
			er of 10 mph be					
		TION RATING	<u> </u>	•		PRIORITY		
1. Failed (may requ	uire bridge out	of service)			A. Imm	ediately		
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector f	or all trains	B. With	in 1 year		
until repaired.					C. With	in 3 years		
3. Satisfactory but w	ith exceptions:	Slow order ma	ay be required.		D. Within 5 years			
4. Worker Safety: ite					E. Within 10 years			
5. Good with minor e	•				1	itor, Condition may	/ change &	
6. New Bridge						e priority	. 5	
7. Not inspected: Re	eason stated					-		
Inspecte	d By:	J	oseph Holste,	PE	Da	ate Inspected:	12/12/20	



Inspected By:

Joseph Holste, PE



Alignment: TANGENT Vert. Clear: Varies Bridge No. LS - ABUT NUMBER: 1 Span Length: 14'	FA Rot			TIDOL INGI LO	HON KEPOKI I	IMBER ABUTMEN	1
FA Rot	Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Pile 7 Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten Piles 2, 4, 8 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo			Vert. Clear:			417.24
	scription: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment marks: DR, PU - Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo	TAILS - ABU	T NUMBER: 1		Span	ı Length:	14'
	Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Scription: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment marks: OR, PU - Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten piles 2, 4, & 5 sound hollow backwall bulging and rotten near bottom, ballast coming through abutment - see photo						
	Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 Ccription: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment narks: PR, PU - Pile #4 drilled, small center, punky material (2014) cot - Stringer #10 is rotten files 2, 4, & 5 sound hollow ackwall bulging and rotten near bottom, ballast coming through abutment - see photo			·	PU		
PU	marks: DR, PU - Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo		Pile		Pile 4 Pile 3	Pile 2 Pile 1	
	Pemarks: DR, PU - Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo						
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Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1	DR, PU - Pile #4 drilled, small center, punky material (2014) Rot - Stringer #10 is rotten Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo	_	oking West - (12) 8"	x17.5" Timber S	Stringers, Timber <i>I</i>	Abutment	
Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 ption: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment	Rot - Stringer #10 is rotten Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo		#4 drilled, small cent	er, punkv materi	al (2014)		
Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 ption: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment ks:	Piles 2, 4, & 5 sound hollow Backwall bulging and rotten near bottom, ballast coming through abutment - see photo			or, parity materi	ur (2011)		
Pile 6 Pile 5 Pile 4 Pile 3 Pile 2 Pile 1 ption: Looking West - (12) 8"x17.5" Timber Stringers, Timber Abutment ks: PU - Pile #4 drilled, small center, punky material (2014)	Backwall bulging and rotten near bottom, ballast coming through abutment - see photo						
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Date Inspected:

12/12/2019





	ľ		BRIDGE INSPEC	TION RE	PORT TIMBER BENT	
Span: 2	Alignment:	TANGENT	Vert. Clear:	8'	Bridge No.	417.24
DETAILS -	BENT NUMB	BER: 2			Span Length:	15'
			FA SP	Rot		
Descriptio	on: Looking E	Pile 1 ast - (12) 8"x"	Pile 2 Pile		le 4 Pile 5 Pile 6	
Remarks:			·			
1. Rot - Str	ingers #3 and	#10 are rotter	1			
2. PU - Pile	e #4 is punky					
3. SP - Ca	p is split - see	photo				
	e #2 is split - se					
	e 5 is hollow					
		/8" vertical det	lection and failed	d		



Inspected By:

Joseph Holste, PE



12/12/2019

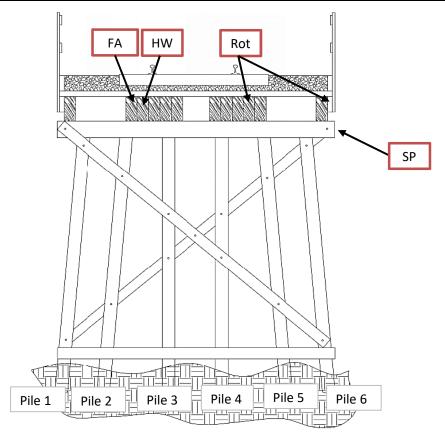
		BRIDGE INSPECT	ION REPORT TIMBER BENT	
escription: Looking East - (12) 8"x17.5" Timber Stringers, Timber Bent emarks: SP - Pile #4 has vertical split DR - Pile #2 has 3" shell (2014) FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo	pan: 3 Alignment: TANGENT	Vert. Clear:	8' Bridge No.	417.24
escription: Looking East - (12) 8"x17.5" Timber Stringers, Timber Bent emarks: SP - Pile #4 has vertical split DR - Pile #2 has 3" shell (2014) FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3" scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo	DETAILS - BENT NUMBER: 3			15'
escription: Looking East - (12) 8"x17.5" Timber Stringers, Timber Bent emarks: SP - Pile #4 has vertical split DR - Pile #2 has 3" shell (2014) FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo	SH	DR	FA SP SP Pile 4 Pile 5 Pile 6	
emarks: SP - Pile #4 has vertical split DR - Pile #2 has 3" shell (2014) FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo				
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DR - Pile #2 has 3" shell (2014) FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo				
FA - Stringer #2 failed and crushing at bent - see photo SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo				
SH - Pile #1 is shimmed Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo				
Span #2 sway brace is covered in dirt on left side Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo		g at bent - see photo)	
Span #3 sash brace is covered in dirt and debris - see photo 3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo		P. C 1. 60 . 1. 1		
3' scour at bent - see photo Rot - Stringer #3 is rotten with 3" hole depth - see photo				
Rot - Stringer #3 is rotten with 3" hole depth - see photo		dirt and debris - see	photo	
FA - Stringer #10 failed - see photo			0	
	. FA - Stringer #10 failed - see photo)		

Date Inspected:





	BRIDGE INSPECTION REPORT TIMBER BENT										
Span:	Span: 4 Alignment: TANGENT Vert. Clear: 8' Bridge No. 417.24										
DETAIL	LS - I	BENT NUMB	BER: 4			Span Length:	15'				



Description: Looking East - (12) 8"x17.5" Timber Stringers, Timber Bent

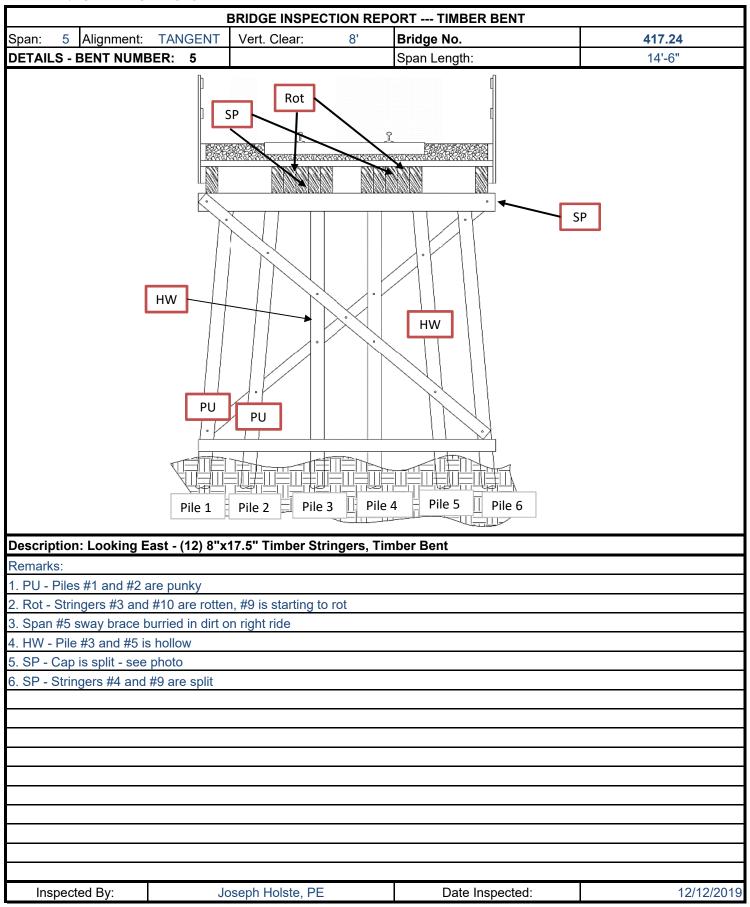
Remarks:

- 1. Rot Stringers #10 and #12 are rotten
- 2. Debris at base of Bent #4, 4' scour
- 3. Span #4 sway brace burried in dirt 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
- 9. Stringer #10 deflected 1/2" at midspan
- 10. Stringers #6 and #7 rotated inward
- 11. HW Stringer #3 is hollow
- 12. FA Stringer #2 is failed and rotated 1/2" at bent #4

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019











			BRII	DGE INSPECT	ON REPOR	T TIMBER ABUTMENT	
Alig	nment:	TANG	ENT	Vert. Clear:	Varies	Bridge No.	417.24
DETAILS - ABU	T NUMB	BER:	6			Span Length:	
			Pile :	Rot	HW	Pile 4 Pile 5 Pile 6	
Description: Lo	okina E	ast - (1	2) 8"x1	7.5" Timber St	ringers. Tin	nber Abutment	
Remarks:		, .	,		J-1-5, - III		
1. Rot - Stringers	s #3 and	#10 are	e rotten				
2. Handrail leani					to		
3. Erosion aroun							
4. HW - Piles #2							
5. Backwall is ro							
. Dackwall 15 10	ucii aliu	ıcarılı	, - see [71010			
	<u> </u>				_	T 5	1011212
Inspected B	By:		Jos	seph Holste, PE		Date Inspected:	12/12/20



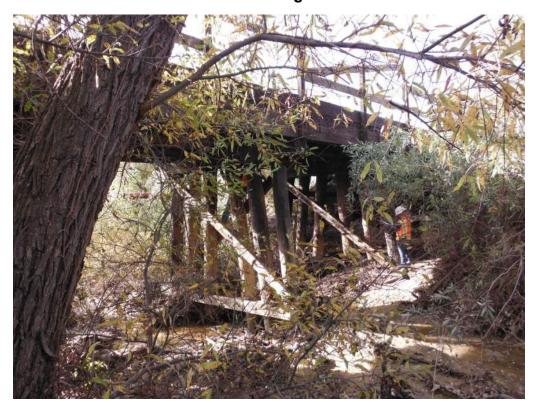
417.24 Looking East



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'



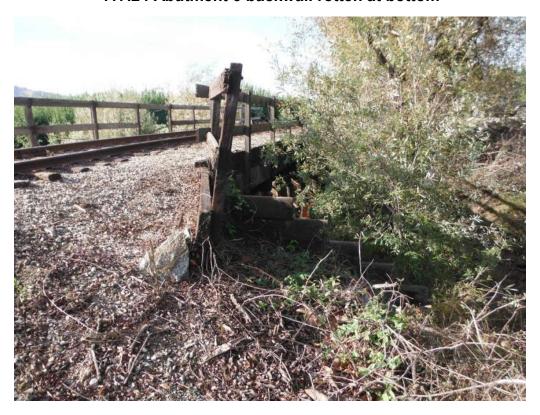
417.24 Pier 4 cap split



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	ON REPO	ORT			
						INS	SPECTION TYP	E:	Anı	nual
	STRU	CTURE IN	IFORMATI	ION			INSPECTIO	N INFO	RMATION	
Milepost	417.96					Date	12-Dec-19	Time	10:4	0 AM
Location	Santa Paula Br	anch Line	-			Inspecto	or Name	_ J	oseph Hols	
	Santa Paula, C	A					ne Number		303-501-1	
Stream			Overpass	;	Other	•	Company	, N	/ilson & Co	mpany
Train Ope	erating Speed:	Freight:	10 mph	Passen	ger: 15 mph		_			
DECK	Type:	Ballasted	Number c	of Tks	1	Visual C	Condition Rating		5	
	RAIL	Weight:	80#	Type:	Jointed		/isual Condition l	Rating:	3	,
		Notes:	Slight dip		cture	_		_		,
	TIES	Type:	Timber		Tie Conditio	n Rating:	: 5			
	· 	Notes:		_						
	BALLAST	Depth:	12"	Ball	ast Conditio	n Rating:	: 5			
		Notes:								
	DECK PLANKS	Type:	Timber		Conditio	n Rating:	5	Notes:		
	OTHER	Type:		_	Conditio	n Rating:	:			
								_		
SUPERS	TRUCTURE									
	Visual Conditio	n Rating	5							
	Type:	Culvert:	Number b	_ parrels		Ro	und or Rect		Size	
	• •		Approx Lr	ngth.			Concrete		Steel	
		Bridge:	Steel	J		=	Timber	15'-2"	.	
		Type:	Truss			_ D:	eck Girder		Through	
		. 71	Trestle			_			Girder	
			Num Spa	ns		1	Approx. S	pan Le	•	14'-0"
		Notes:			Ballast Deck	Timber T	_ ::	<u>'</u>		
SUBSTR										
	Visual Conditio	n Rating			5		_			
	Bent:			Type			_ Notes			
	Abutment:		5	Туре	St	one	_ Notes		Abut #1 8	k #2
	Wingwalls:		5	Type	St	one	_ Notes			
	Embank			Туре			_ Notes			
	Footing			_Туре			_ Notes			
	Inaccessible ar	eas:								
STREAM	I CHANNEL									
	Visual Conditio	-	5							
	Stream Depth		Scour Evi	dence			_Moving Water		no	
	Notes									
OVERAL	L RATING									
OVERAL	High Priority		Medium F	Priority			Low Priority		Χ	
				y				-	<u> </u>	





MAINLINE/SUBDIVISION		GE INSPECT	ION REPORT	TIMBER ST	RUCTURF		
Spans:	1 1	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	417.96
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage		15'-2"
ENVIRONMENT		STRINGERS			B08 Sash	<u> </u>	N/A
E01 Scour	5	S01 Stringers		5			N/A
E02 Channel	5	1		N/A	B10 Cap Long Brace		N/A
E03 Approach	3	S03 Bearing @ Cap 5				N/A	
DECK	Ü	BENTS		Ü	MISC. OTHER		1 477 4
D01 Ties (OD only)	N/A	B01 West Abutment		5	M01		
D02 Ties Spacers	N/A	B02 East Abutment		5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A			
D05 Ballast Retainer	5	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Overall Rating: 5		5
D07 Handrail	N/A	B07 Cross Br	aces	N/A			
	<u> </u>	1			<u>II</u>		
Defenses	1		COMMEN				
Reference Handrail	No handrail			Remark			
Handraii	ivo nandrali						
	+						
	1						
	+						
	-	MAINTEN	IANCE RECO		<u>S</u>		
Priority				Description			
D03	Replace rail as tonnage dictates						
E03	Level track across structure						
	1						
					1		
CONDITION RATING						PRIORITY	
Failed (may require bridge out of service)					A. Imm	ediately	
Deficient: OK for operations, but requires Flagman/Inspector for all trains					B. Within 1 year		
until repaired.					C. Within 3 years		
•					D. Within 5 years		
·					E. Within 10 years		
					,		
5. Good with minor exceptions							y cnange &
6. New Bridge					- rais	e priority	
· · · · · · · · · · · · · · · · · · ·	•						
Inspected By: Joseph Holste, PE			Da	ate Inspected:	12/12/20		



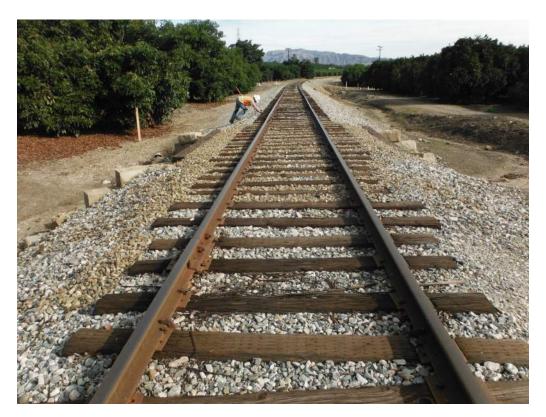


		BR	IDGE INSPECTION	N REPO	RT STONE ABUTMEN	Т
Span: 1 Alignment: TANGENT		Vert. Clear: 1.5'		Bridge No.	417.96	
DETAILS -	ABUT NUME	BER: 1			Span Length:	14'-0"
Descriptio	n: Looking W	Vest - (10) 8"x	16.5" Timber St	ingers, S	Stone Abutment	

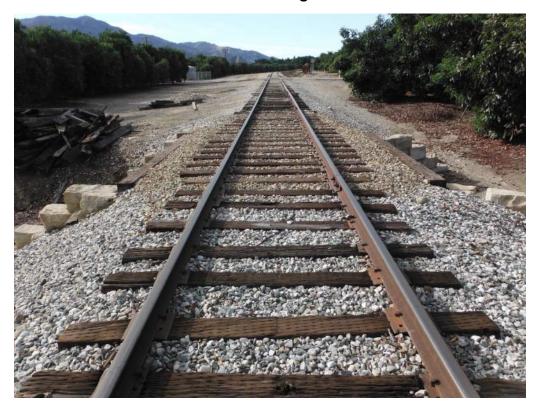




BRIDGE INSPECTION REPORT STONE ABUTMENT					
Span: Alignment:	TANGENT	Vert. Clear: 1.5'	Bridge No.	417.96	
DETAILS - ABUT NUM			Span Length:		
LS					
	ast - (10) 8"x	16.5" Timber Stingers, St	one Abutment		
Remarks: 1. LS - Loose stone in w	inawall - see n	hoto			
1. LO - LOUSE STOTIE III W	nigwaii - see p	HULU			
Inspected By:	Jo	seph Holste, PE	Date 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	INSPECTION	ON REPO	ORT			
						INS	SPECTION TYP	E:	Ann	nual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	418.02					Date	12-Dec-19		10:50	a.m.
Location	Santa Paula Bi	ranch Line	_				or Name		oseph Holst	
	Santa Paula, C						ne Number		303-501-1	
Stream			Overpass		Other	X			ilson & Cor	
	erating Speed:	Freight:	_		ger: 15 mph		_		110011 01 001	parry
DECK	Type:		Number o			Visual C	Condition Rating		5	
	RAIL	Weight:	80#		Jointed	-	/isual Condition	•		
	10 112	Notes:	Both appr			-		· tatii igi		
	TIES	Type:	Timber		Γie Conditio	n Rating:	. 3			
	<u>1120</u>	Notes:	2 bad ties		rio Gorialilo	irraang.		_		
	BALLAST	Depth:	12"		ast Condition	n Rating:	: 5			
		Notes:			t end - south	_		_		
	DECK PLANKS		Timber	g			: 5	Notes:		
	OTHER	Type:		_		_	:			
		.) [-	_		
SUPERS ¹	TRUCTURE									
	Visual Condition	n Rating	5							
	Туре:	Culvert:	Number b	– arrels		Ro	und or Rect		Size	
	71		Approx Lr			-	Concrete		Steel	
		Bridge:	Steel	.5		-	Timber	15'	Concrete	
		Type:	Truss	1		D	eck Girder		Through	
		. , , , ,	Trestle				ook on do.		Girder	
			Num Spai	ns		1	Approx. S	Span Lei	-	14'-0"
		Notes:	rtam opai		Ballast deck		_	pan Loi	iguio _	110
		110103.			Janust Gook	timber ti	Colic		-	
SUBSTR	UCTURE									
	Visual Condition	n Rating			5					
	Bent:			Туре			_ Notes	3		
	Abutment:		5	Туре	St	one	_ Notes	3		
	Wingwalls:		5	Туре	St	one	_ Notes	3		
	Embank			Туре			Notes	;		
	Footing			_ Туре			_ Notes	<u> </u>		
	Inaccessible ar	eas:		_			_			
										_
STREAM	CHANNEL									
	Visual Condition	n Rating	3							
	Stream Depth		Scour Evi			es	_Moving Water		None	
	Notes			it #1, Larg	ge drop betw	een ups	tream and down	stream	culverts-like	ely
		tuture sco	our issues							
OVERAL	L RATING		Madi: 5	Nul a ult			Lave Detaile		V	
	High Priority		_Medium F	TIOTILY			Low Priority	1	<u>X</u>	
ĺ										





MAINLINE/SUBDIVISI		GE INSPECT	ION REPORT -	TIMBER ST	RUCTURF				
Spans:	1 1	Alignment:	Curve	Vert. Clear:	8'	Bridge No.	418.02		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	<u> </u>	15'		
ENVIRONMENT		STRINGERS			B08 Sash		N/A		
E01 Scour	5	S01 Stringers		5	B09 Long		N/A		
E02 Channel	3	S02 Line Bolt		N/A		ong Brace	N/A		
E03 Approach	3	S03 Bearing (5	B11 Shim		N/A		
DECK		BENTS	<u>e</u>		MISC. OT		. 4,7 1		
D01 Ties (OD only)	N/A	B01 West Bad	ckwall	5	M01 West		5		
D02 Ties Spacers	N/A	B02 East Bac		5	M02 East	•	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	Overall Rating: 5				
D07 Handrail	N/A	B07 Cross Br	aces	N/A	1	J			
	•	<u> </u>	COMMENT	·c					
D-f			COMMENT						
Reference	NI I I I			Remark					
Handrail	No handrail	0.7 - 11 /	4/411) 🔘 🚶 :		4				
Stringers			1/4") @ abutme						
Deck	Multiple deck	planks showin	ig signs of rot a	nd multiple hol	es - see ph	oto			
		MAINTEN	IANCE RECOM	MENDATION	S				
Priority				Description					
E02, B	Clear debris f	rom under brid	lae	•					
E03, B		ches both end							
D03			ction as tonnag	e dictates					
M02, B/C			prevent ballast						
D04, B		d deck planks	provent ballast	1033					
D04, D	Trebiace faile	a deck highlys							
	+								
	CONDI	TION RATING				PRIORITY			
1. Failed (may requ	uire bridge out o	of service)			A. Immediately				
2. Deficient: OK for			nan/Inspector fo	or all trains	B. Within 1 year				
until repaired.	•		·		C. Within 3 years				
Satisfactory but w	ith exceptions:	Slow order ma	av be required.			•			
	•					į			
5. Good with minor of			itor, Condition ma	v change 9					
	слосриона					· ·	y change &		
	oncon stated				- raise	e priority			
7. Not inspected: R)	_	da luanastada	40/40/004		
Inspecte	a By:	J	oseph Holste, F	<u>'</u>	Da	ite Inspected:	12/12/201		





12/12/2019

	В	RIDGE INSPECTI	ON REPO	ORT STONE ABUTMENT	
pan: 1 Alig	nment: CURVE	Vert. Clear:	8'	Bridge No.	418.02
ETAILS - ABU				Span Length:	14'
	HW		S. CORROCORD		
		Rot		Deb	
emarks:	oking West - (12) 7	.5"x17" TimberSt		Abutment #1 is stone	
emarks: HW - Stringer Deb - Debris	12 sounds hollow. Son sill plate	.5"x17" TimberSt	y for full le	Abutment #1 is stone	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
marks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	
emarks: HW - Stringer Deb - Debris of Moisture on si	12 sounds hollow. Son sill plate	.5"x17" TimberSt Splitting horizontally st and backwall ho	y for full le	Abutment #1 is stone ength.	

Date Inspected:

Joseph Holste, PE

Inspected By:



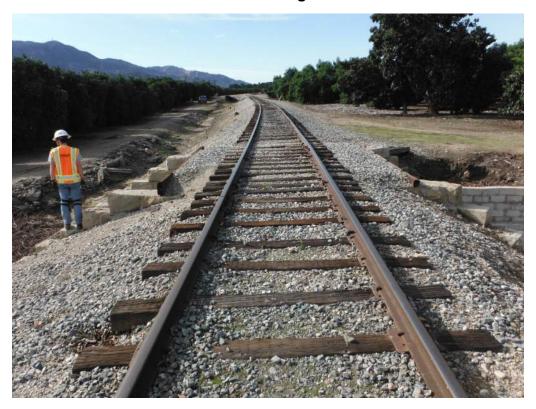


Span:	Alignment:	CURVE	Vert. Clear: 8'	Bridge No.	418.02
DETAILS -	ABUT NUMBI	ER: 2		Span Length:	
				Necrosaconal T	
			04.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01.00-01	Executive measurement measurement	
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(/2 </th <th>X/X/X/?:</th> <th>X/X/X/)</th> <th></th> <th>)\/\\/\\/\\/\\/\\\\\\\\\\\\\\\\\\\\\\\</th> <th></th>	X/X/X/?:	X/X/X/))\/\\/\\/\\/\\/\\\\\\\\\\\\\\\\\\\\\\\	
Descriptio	n: Looking Ea	ast - Abutme	ent #2 is stone		
	n: Looking Ea	ast - Abutme	ent #2 is stone		
emarks:				dd ballast (see photo)	
Remarks: . Low balla	ast at end of ba	allast retaine	er, extend retainer and a	dd ballast (see photo)	
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
temarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
temarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
temarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla 2. Stringers	ast at end of bass 5, 6, 7 crushii	allast retaine	er, extend retainer and a		
Remarks: . Low balla . Stringers . Moisture	ast at end of bass 5, 6, 7 crushii	allast retaine ng 1/4" at ab fouled ballas	er, extend retainer and a		12/12/201

BRIDGE INSPECTION REPORT --- STONE ABUTMENT



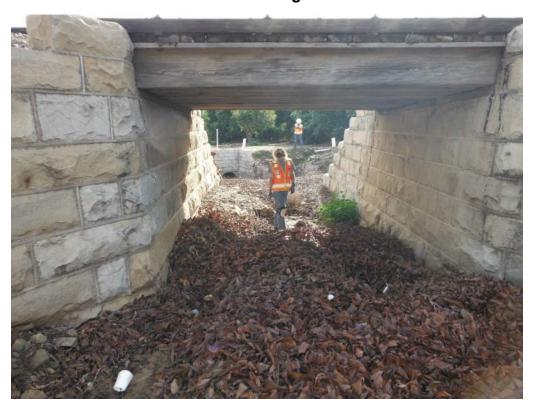
418.02 Looking East



418.02 Looking West



418.02 Looking North



418.02 Looking South



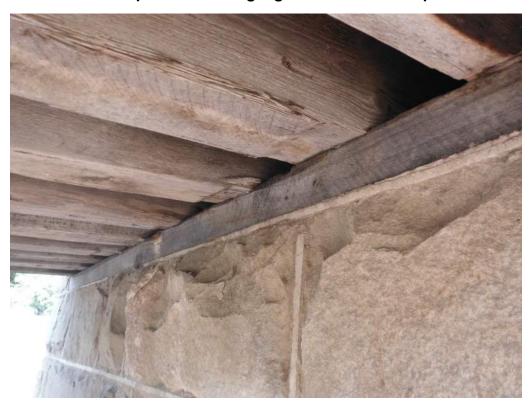
418.02 Low shoulder ballast at SE approach



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 IN	ISPECTIO	N REP	ORT				
						IN	ISPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ION			INSPECTIO	N INFO	RMATION		
Milepost	419.42				_	Date	12-Dec-19	Time	11:0	5 AM	
Location		ranch Line	_			Inspect	tor Name	-	oseph Hols		
	Santa Paula, C						one Number		303-501-1		
Stream	X (Unknown		Overpass	,	_ Other	•			Wilson &		
	erating Speed:		_		_ r: 15 mph						
DECK	Type:	Ballast	Number o	of Tks	1	Visual (Condition Rating		5		
	RAIL	Weight:	_	Type:	Jointed		Visual Condition I	Rating:	3		
		Notes:	Low appr	oaches east	and west			_			
	TIES	Type:	Timber		Condition		j: 5				
		Notes:		_		J		=			
	BALLAST	Depth:	12 in	Ballast	t Condition	n Rating	j: 3				
		Notes:	Fouled ba	allast and lov		J		_			
	DECK PLANKS	Type:	N/A		Condition	n Rating	j :	Notes:			
	OTHER	Type:	-				j:				
SUPERS	TRUCTURE										
	Visual Condition	n Rating	5								
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size		
			Approx Li	ngth.			Concrete		Steel		
		Bridge:	Steel			•	Timber		Concrete	30'	
		Type:	Truss				Deck Girder		Through		
			Trestle						Girder		
			Num Spa	ns		1	Approx. S	pan Le	ngths	30'	
		Notes:		Concrete	double bo	x girder	r - built 1969				
SUBSTR	HOTUDE										
SUBSIK	Visual Condition	n Rating		5							
	Bent:	ir rating		Туре			— Notes				
	Abutment:		5	_ Type	Con	crete		Steel	niles		
	Wingwalls:			_ Type							
	Embank			Type	-		Notes				
	Footing			Type	-		Notes				
	Inaccessible ar	eas:		7 -			_				
STREAM	I CHANNEL										
O 11 (E) (III)	Visual Condition	n Rating	3								
	Stream Depth	•		idence	ye	es	Moving Water		no		
	Notes	Channel	is degradir	ng. 3' of stee	el pile curr	ently ex	kposed				ı
OVERAL	L RATING		Medium F	Priority			Low Priority		Y		
	High Priority	-		Tiority	-		_ LOW FIIOTILY		Х		



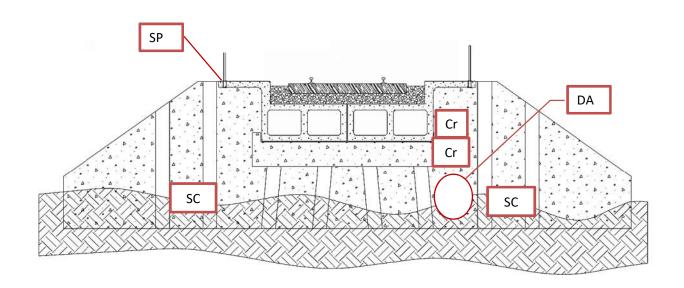


	BRIDG	E INSPECTIO	N REPORT C	ONCRETE S	TRUCTUE	RE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	20'	Bridge No.	419.42	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	30'	
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A	
E01 Scour	3	S01 Girder		5	A07 Piles		5	
E02 Channel	3	S02 Bearings		5	A08			
E03 Approach	3	ABUTMENTS	S & PIERS		A09			
DECK		A01 East Abι	ıtment	3	MISC. 01	HER		
D01 Rail	3	A02 East Win	ngwalls	5	M01			
D02 Footwalk	5	A03 West Ab		3	M02			
D03 Handrail	3	A04 West Wi	ngwalls	5	M03			
D04		A05 Pier Cap		N/A	M04			
D05					Ove	erall Rating:	4	
			COMMENTS	8				
Reference				Remark				
Structure			south side unde		m the wes			
Walkway			oth sides of brid	ge				
Utility	Utilities cross	ing parallel 50	' south					
	1	MAINIEN	NANCE RECOM	WENDATION	5			
Priority				Description				
Α		head vegetation						
E01, E02, B/C, M		and protect bo	oth abutments					
E03, B	Raise approa							
D01			natch tonnage					
D03, A	Repair handra							
A01, A03	See note abo		B.4. 26 1202	1 1	1 10 15	100		
A03, M	Crack in Abut	ment#1 cap.	Monitor condition	n and raise pr	iority if cor	idition worsens		
	CONDI.	TION RATING	<u> </u>			PRIORITY		
	uire bridge out of service) A. Immediately							
	pperations, but	requires Flagman/Inspector for all trains B. Within 1 year						
until repaired.	ith avereties	Claus and a	av ba ===:::!			nin 3 years		
Satisfactory but w Warker Safety its	•				1	nin 5 years		
4. Worker Safety: items such as (handrail, footwalk, etc.) E. Within 10 years								
5. Good with minor e	exceptions					nitor, Condition ma	y cnange &	
 New Bridge Not inspected: Re 	eason stated				- rais	e priority		
Inspected. Re			loseph Holste, Pl		D.	ate Inspected:	12/12/2019	
mspecter	u Dy.	J	iosepii i ioisie, Pi	_	l Di	ate moperieu.	12/12/2019	





	BRIDGE INSPECTION REPORT CONCRETE STRUCTURE									
Spans:	1	Alignment:	TANGENT	Vert. Clear:	20'	Bridge No.	419.42			
DETAIL	.S -	ABUT NUMB	BER: 1			Span Length:	29'-10"			



Description: Looking West - 80"x30" Concrete box, concrete abutment #1 with steel piles

- 1. CR Crack in cap and abutment see photo
- 2. CR North keeper cracked see photo
- 3. DA Delaminated concrete
- 4. SC Scour at abutment face; abutment beginning to scour 3' max pile exposed below concrete see photo
- 5. SP Spall on walkway see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019



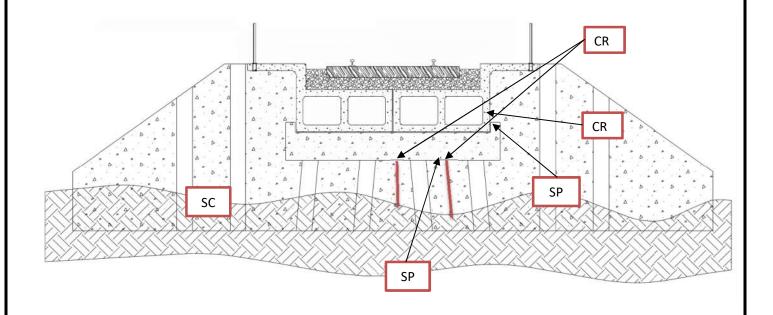


12/12/2019

MAINLINE/SUBDIVISION: VCTC

Inspected By:

	BRIDGE INSPECTION REPORT CONCRETE STRUCTURE									
Span:	Alignment:	TANGENT	Vert. Clear:	20'	Bridge No.	419.42				
DETAILS	- ABUT NUME	BER: 2			Span Length:					



Remarks:	
1. SC - Scour at abutment face approximately 2.5' - see photo	
2. CR - Abutment cracks as shown, 1/4" to 1/2" cracks - see photo	
3. SP - Cap crack and spall with exposed rebar - see photo	
4. SP - South keeper cracked with spall - see photo	
5. CR - Crack in backwall above keeper - see photo	

Date Inspected:

Joseph Holste, PE



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



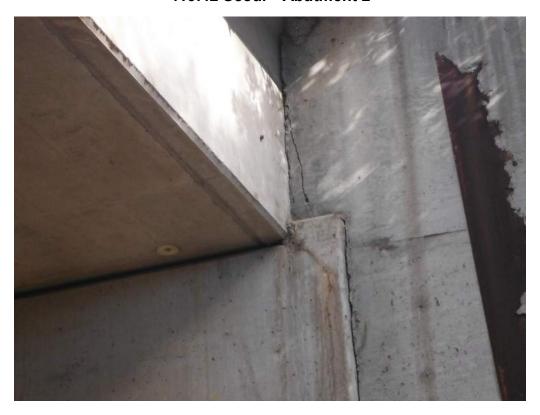
419.42 Spall on South walkway



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 IN	ISPECTIO	N REP	ORT				-
				33 OL II	. 5. 20110		ISPECTION TYP	E:	Anr	nual	
	STRU	JCTURE IN	NFORMAT	ION	_		INSPECTIO	N INFO	RMATION		
Milepost	419.92		_			Date	12-Dec-19	Time	12:35	p.m.	
Location	Santa Paula B	ranch Line	!		_	Inspect	tor Name	J	oseph Hols	te, PE	
	Fillmore, CA					Telepho	one Number		303-501-1	215	
Stream	X (Unknowr	n Creek)	Overpass	S	Other		Compan	у	Wilson &	Company	
Train Ope	erating Speed:	Freight:	10 mph	Passenge	r: 15 mph						
DECK	Type:	Ballast	Number of	of Tks	1	Visual (Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	١	Visual Condition	Rating:	3		
		Notes:	Low appr	oaches east	t and west	, section	n loss at rail top	•			
	TIES	Type:	Timber	Tie	Conditio	n Rating	j: 5				
		Notes:						_			
	BALLAST	Depth:	14 in	Ballas	t Conditio	n Rating	ı: 3				
		Notes:	Hole in ea			_	and west appro	ach			
	DECK PLANKS	Type:	Timber				j: 5				
	OTHER	Type:		_): 	_ ,			
		71			_	J		_			
SUPERS	TRUCTURE										
OOI LIKO	Visual Condition	on Rating	5								
	Type:	_	Number b	_ narrels		Ro	ound or Rect		Size		
	турс.	Ourvert.	Approx L			-	Concrete		Steel		
		Bridge:	Steel	ngui.		-	Timber	90'	Concrete		
		Type:	Truss				Deck Girder		Through		
		rype.	Trestle	-		•	Deck Gildel		Girder		
						<u>х</u> 6	Approx	Span La	•	15'	
		Natas.	Num Spa		Ballast De		Approx. S	эрап се	riguis	13	
		Notes:			Dallast De	eck rres	sue				
CURCER											
SUBSTR	Visual Condition	on Poting		3							
	Bent:	on Railing	3		Tin	nber	– Note:	^			
			3	Type							
	Abutment:		3	Type		nber	_ Note:				
	Wingwalls:			Type			_ Note:				
	Embank			Type			_ Notes				
	Footing			Type	-		_ Note:	s			
	Inaccessible a	reas:									
STREAM	CHANNEL										
	Visual Condition	_	3				Marris a Matau				
	Stream Depth Notes		Scour Ev			es nt 2 30	Moving Water of pile indicated		no n' evnosed		
	Notes	Chamilei	is degradii	ig. Worst St	cour at be	111 2. 30	or pile indicated	u anu zu	exposed.		
OVEDAL	L RATING										
OVERAL	High Priority		Medium F	Priority	,	X	Low Priority				
						-					



MAINLINE/SUBDIVISION	ON: VCTC					Station Com	
	BRID	GE INSPECT	ION REPORT	- 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	;	5	B09 Long	Brace	3
E02 Channel	3	S02 Line Bolt	s	N/A	B10 Cap L	ong Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shims	3	5
DECK		BENTS	-		MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ab	utment	3	M01		
D02 Ties Spacers	N/A	B02 East Abι	ıtment	5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	3	B04 Piles		5	M04		
D05 Ballast Retainer	3	B05 Framed	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Overall Rating: 3		3
D07 Handrail	N/A	B07 Cross Br	aces	3			
			COMMENTS	 S	•		
Reference				Remark			
Utilities	Petroleum uti	lity runs under	ground on right s	side, parallel t	o track at 5		
Handrail	No handrail	,	<u> </u>				
Backwall	West backwa	Il undermined	and rotten - see	photo			
Rail		ast approach -					
	<u> </u>		IANOE DECOM	MENDATION	•		
	1	MAINTEN	IANCE RECOM		S		
Priority				Description			
E01, E02, A	1	nent #1 from fu					
E03, B		ches both end					
B07 to B09, B			l broken bracing				
D04, B		in ballast near	abutment 1				
B01, B/C	Replace back	•					
D03	<u> </u>	is needed to m					
D05, B/C	Increase heig	ht of SW balla	st retainer to hol	d ballast			
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ					A. Imme	ediately	
2. Deficient: OK for o			nan/Inspector fo	all trains		n 1 year	
until repaired.					C. Withi	n 3 years	
3. Satisfactory but w	ith exceptions:	Slow order m	ay be required.		D. Withi	n 5 years	
4. Worker Safety: ite	ms such as (h	andrail, footwa	alk, etc.)		E. Withi	n 10 years	
5. Good with minor e	exceptions				M. Moni	itor, Condition ma	y change &
6. New Bridge						priority	
7. Not inspected: Re	eason stated						
Inspecte	d By:	J	oseph Holste, P	E	Da	te Inspected:	12/12/2019



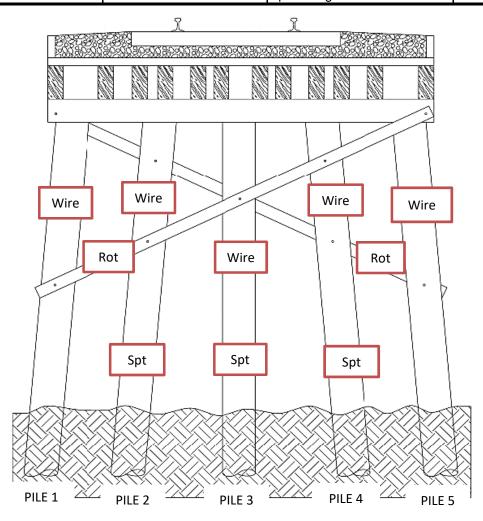


	BRI	DGE INSPECT	ION REPOI	RT TIMBER ABUTMENT	•
Span: 1 Alignment:		Vert. Clear:	12' +	Bridge No.	419.92
DETAILS - ABUT NUM				Span Length:	14'
PILE 5	Rot	DR PILE 4	PIL	F3 PILE 2	PILE 1
Description: Looking v	voct (42) 7.78	5"v17 5" ctrings	ore timber	abutment #1	
Remarks:	west - (12) 7.73	XI7.5 Stringe	ers, umber	abutinent #1	
1. DR (2014) - Pile #4 h	as 2" shell and	is hollow			
2. Rot - West Backwall i			pallast leak	- see photo	
3. Steel bands on piles		<u> </u>		1	
4. Ballast overtopping S		ner - see photo			
5. Scour almost to abutr			at base - se	ee photo	
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/12/2019





BRIDGE INSPECTION REPORT TIMBER BENT							
Spans:	2	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAILS - BENT NUMBER: 2						Span Length:	15'



Description: Looking west - (12) 7.75"x17.5" stringers, timber bent #2

- 1. Severe scour at bent #2
- 2. Wire All piles have been wire wrapped because of vertical splitting
- 3. Rot Span #1 sway brace is rotted out
- 4. Rot Span #2 sway brace is rotted out at pile #5 see photo
- 5. Span #2 longitudinal bracing is missing
- 6. Spt Piles #2, #3, and #4 are split 1" see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019

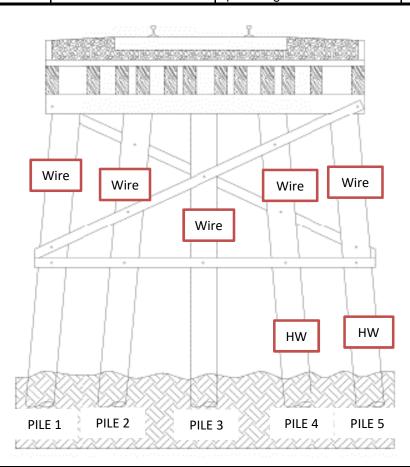




12/12/2019

MAINLINE/SUBDIVISION: VCTC

BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	3 Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92	
DETAI	LS - BENT NUMB	ER: 3			Span Length:	15'	



Description: Looking west - (12) 7.75"x17.5" stringers, timber bent #3

Joseph Holste, PE

Date Inspected:

Remarks:

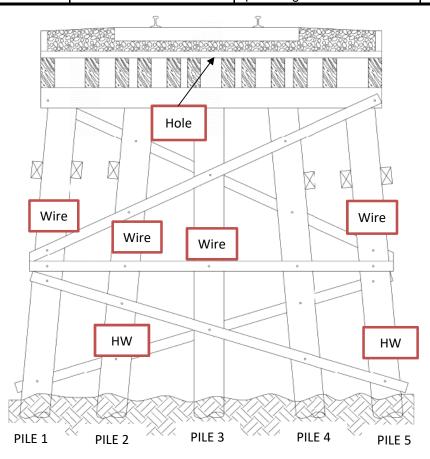
- 1. All piles are wire wrapped to arrest vertical splits
- 2. HW Piles 4 & 5 sound hollow

Inspected By:





BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	4	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAILS - BENT NUMBER: 4						Span Length:	15'



Description: Looking west - (12) 7.75"x17.5" stringers, timber bent #4

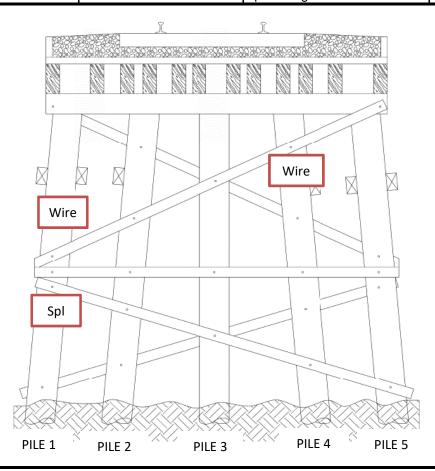
- 1. Wire Piles #1, #2, #3 and #5 wire wrapped to arrest vertical splitting
- 2. HW Pile #2 and #5 sound hollow
- 3. Stringer 4 split at ends of repair locations due to low cover to bolt holes see photo
- 4. Hole Span 4 hole beginning in deck between stringer 6 and 7
- 5. Scour 5' from Bent 5 see photo

	_





BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	5	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAILS - BENT NUMBER: 5					Span Length:	15'	



Description: Looking west - (12) 7.75"x17.5" stringers, timber bent #5

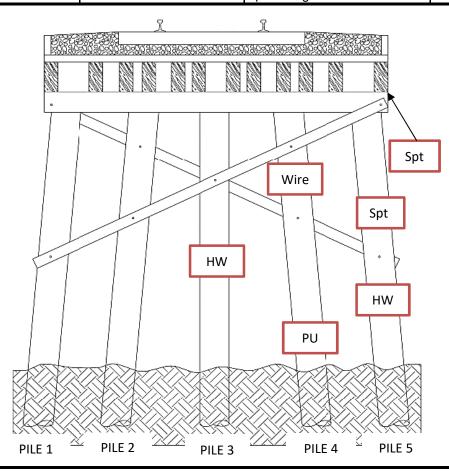
- 1. Wire Piles #1 and #4 are wire wrapped due to vertical splitting
- 2. Spl Pile #1 is split
- 3. Stringers 4, 7, 9, 10 split at repair location

nspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019





BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	6	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAILS - BENT NUMBER: 6					Span Length:	15'	



Description: Looking west - (12) 7.75"x17.5" stringers, timber bent #6

- 1. Wire Pile #4 is wire wrapped to arrest vertical splitting and sounds soft
- 2. Pu Pile #4 is punky
- 3. HW Piles 3 and 5 sound hollow
- 4. Spt Stringer 12 is split near abutment 7
- 5. Pile #5 spilt. See photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019





12/12/2019

Inspected By:

MAINLINE	SUBDIVISIOI	N: VCTC					
		BR	IDGE INSPECT	ION REPO	RT TIMBER AE	BUTMENT	
Span:	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.		419.92
DETAILS	- ABUT NUME	BER: 7			Span Length:		
Spt	PILE 1	PIL	E 2	PILE 3		PILE 4	PILE 5
K ZZ	<u> </u>	/ / / / / / / / / / / / / / / / / / /	<u> </u>	<u> </u>	<u> </u>	<u> </u>	
		ast - (12) 7.7	5"x17.5" string	ers, timber	abutment #7		
Remarks:							
	E wingwall is s	plit - see photo)				
2. Piles ar	e buried						

Date Inspected:

Joseph Holste, PE



419.92 Looking East



419.92 Looking West



419.92 Looking North



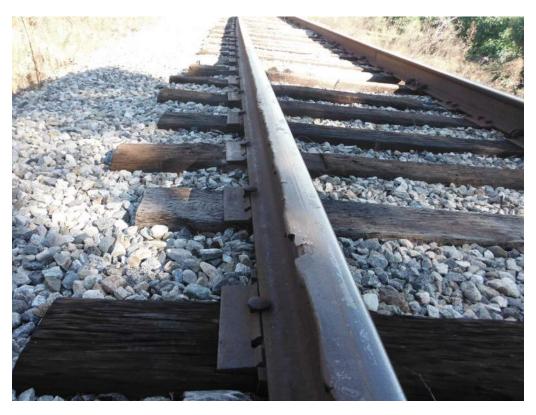
419.92 Looking South



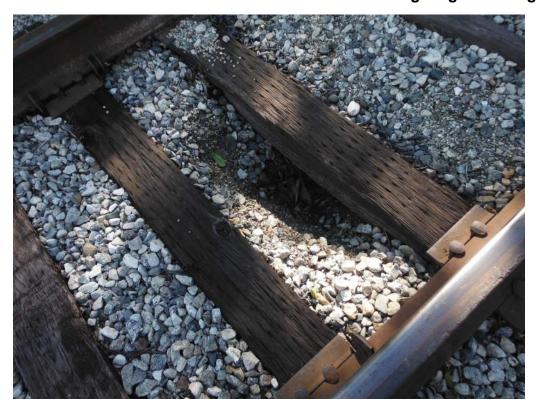
419.92 Channel Condition – Looking Upstream



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



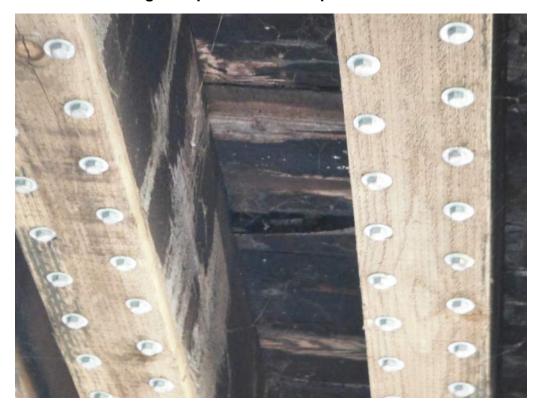
419.92 Sway bracing rotten - Bent 2



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 IN	ISPECTION	ON REP	ORT				
						IN	SPECTION TYPE	Ξ:	Anr	nual	
	STRI	JCTURE	INFORMAT	TION			INSPECTIO	N INFO	RMATION		
Milepost	420.20					Date	12-Dec-19	Time	1:25	5 PM	
Location	Santa Paula B	Branch Lir	<u>-</u> ne			Inspect	or Name	-	oseph Hols		
	Fillmore, CA				_		one Number		303-501-1		
Stream	, -		Overpass	x (Dudley Rd	Other	•			Wilson 8		
	erating Speed:	Freight:	_	Passenger:	_					· Company	
DECK	Type:		Number of			Visual (Condition Rating		3		
	RAIL		132#		Jointed	•	/isual Condition F	Rating:		•	
	<u></u>		East appro	_	-	•	viodai Coridiaori i	tuting.		1	
	TIES		Timber		Conditio	n Rating	: 3				
	1120	• •		e spilt and out				=			
	BALLAST	Depth:			Condition		: 3				
	<u>BALLAS I</u>	-		allast - east an		_		-			
	DECK DI VNKS		Timber	ıllası - east all			. 2	Notos:	Some faile		
	DECK PLANKS		Tillibel	-				-	Some falle	u	
	<u>OTHER</u>	Type:			_Condition	n Raung	:	-			
SIIDEDS	TRUCTURE										
SOI LINS	Visual Condition	on Patino	3								
	Type:		Number ba	rrele		Po	ound or Rect		Size		
	rype.	Cuivert.				•	Concrete				
		Dridge	Approx Lno	gui.		•		60'	Steel		
		Bridge:	•				Timber	- 00	Concrete		
		Type:	Truss				eck Girder		Through		
			Trestle			X			Girder	451	
		.	Num Span			4	_ Approx. S	pan Le	ngtns	15'	
		Notes:		Ballas	st Deck T	mber ir	estie		·		
SUBSTR	UCTURE										
	Visual Condition	on Rating	3	5							
	Bent:		5	Туре	Tin	nber	– Notes				
	Abutment:			Туре	Tin	nber	_ Notes				
	Wingwalls:			Туре			– Notes				
	Embank			Туре			– Notes				
	Footing			Туре			_				
	Inaccessible a	reas:		. , , , ,			_				
	maccocoloro c										
STREAM	CHANNEL										
OTTEAN	Visual Conditi	on Ratino	ı N/A								
	Stream Depth	_		lence			Moving Water				
	Notes		<u> </u>				_				
OVERAL	L RATING										
	High Priority	X	_Medium Pr	riority			_Low Priority			•	





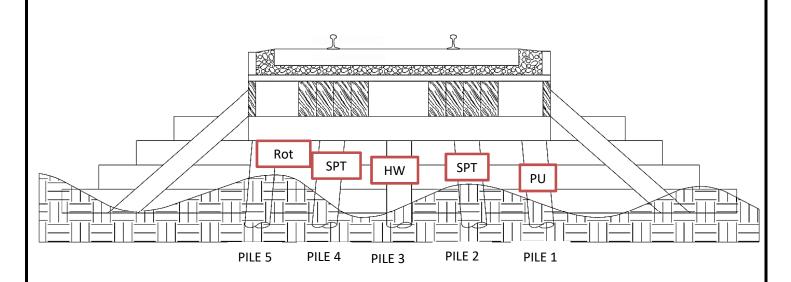
MAINLINE/SUBDIVISI		OCE INCRECT	ION REPORT -	TIMBED ST	DUCTURE			
Cnono:	4			Vert. Clear:	8'-3"	Bridge No.	420.20	
Spans: No. of Tks:	1	Alignment: Deck Type:	Tangent Ballast	Br. Over:	Road	Overall Length:	60'	
ENVIRONMENT	ı	STRINGERS		BI. Over.	B08 Sash		N/A	
E01 Scour	N/A			3	7}		N/A	
		S01 Stringers		N/A	B09 Long			
E02 Channel	N/A 3	4		3	B10 Cap B11 Shim	Long Brace	N/A N/A	
E03 Approach DECK	3	S03 Bearing BENTS	<u>ш</u> Сар	3	41		IN/A	
D01 Ties (OD only)	N/A		utmont	3	MISC. OTHER M01			
D01 Ties (OD only) D02 Ties Spacers	N/A N/A	41	B01 West Abutment B02 East Abutment		3 M02			
D02 Res Spacers		11	ument	5	M03			
	5	B03 Caps			11			
D04 Ballast Floor	3	B04 Piles	D t -	5	M04			
D05 Ballast Retainer	3	B05 Framed	Bents	N/A	-	well Detines	•	
D06 Footwalk	N/A	B06 Posts		N/A	006	erall Rating:	3	
D07 Handrail	N/A	B07 Cross Br	races	3	<u> </u>			
			COMMENT	S				
Reference				Remark				
Structure		een burned, 1/-						
Structure		ents under spa						
Structure	Supplementa	ıl steel beam a	dded in span 3					
Utilities	Gas utilities running under bridge along span #2							
Handrail	No handrail							
Ballast Curb	Ballast curb rotted at NE end							
Ballast	Low ballast, wings undermined at east & west ends							
		MAINTEN	NANCE RECOM		S			
Priority				Description				
S03, A	Shim tempora							
E03, B	Raise approa							
S01, B		ental steel stri	ngers to replace	temporary be	nts			
D07, B	Add handrail							
D04, D05, B		t retainer and	deck planks					
B07, B/C	Repair sway							
B01, B02, C	Repair rotten	backwall						
	CONDI	TION RATING)			PRIORITY		
1. Failed (may requ	uire bridge out	of service)			A. Imm	ediately		
2. Deficient: OK for o	operations, but	requires Flagr	man/Inspector fo	or all trains		in 1 year		
until repaired.	C. Within 3 years							
3. Satisfactory but w	with exceptions: Slow order may be required. D. Within 5 years							
4. Worker Safety: ite	ems such as (handrail, footwalk, etc.)							
5. Good with minor e	exceptions				M. Mor	nitor, Condition ma	y change &	
6. New Bridge						e priority		
7. Not inspected: Re	eason stated							
Inspecte	d By:	J	loseph Holste, F	PE	Da	ate Inspected:	12/12/20	





12/12/2019

	BR	<u>IDGE INSPECTIO</u>	N REPOR	RT TIMBER ABUTMENT	
Span: 1	Alignment: TANGENT	Vert. Clear:	8'-3"	Bridge No.	420.20
DETAILS -	ABUT NUMBER: 1			Span Length:	14'6"



Remarks:

- 1. PU Pile #1 is punky
- 2. SPT Piles 2 and 4 are split
- 3. Shims missing at helper bent see photo
- 4. Rot Backwall rotten see photo
- 5. HW Pile 3 is hollow

Inspected By:

6. Undermining ballast retainer both north and south sides - see photo

Joseph Holste, PE

Date Inspected:

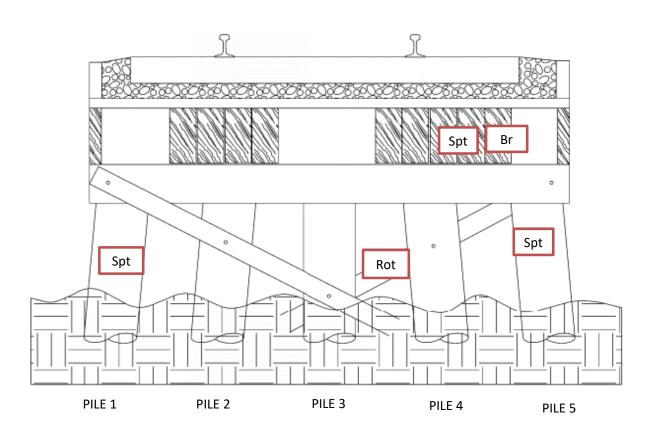




12/12/2019

MAINLINE/SUBDIVISION: VCTC

	BRIDGE INSPECTION REPORT TIMBER BENT									
Span:	Span: 2 Alignment: TANGENT Vert. Clear: 8'-3" Bridge No. 420.20									
DETAIL	DETAILS - BENT NUMBER: 2 Span Length: 15'									



Description: Looking East - (9) 7.5"x17" stringers, (2) 3.5" x 17" exterior stringers, timber bent #2

Joseph Holste, PE

Date Inspected:

Remarks:

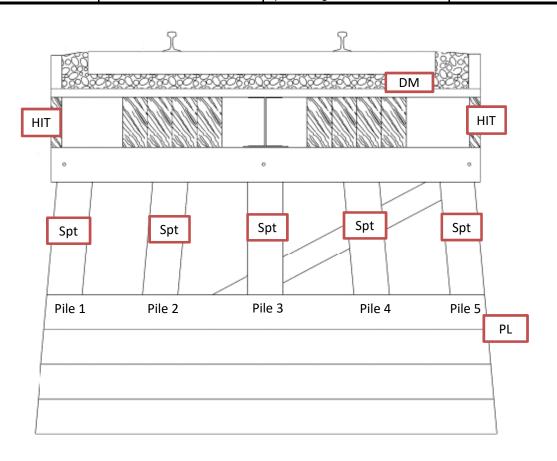
- 1. Br (Helper) stringer #9 broken/failed mid span see photo
- 2. SPT Stringer #8 has shear split see photo
- 3. SPT Pile #1 and #5 have vertical split
- 4. ROT Span #2 sway brace is rotten see photo
- 5. Temporary bent needs to be shimmed

Inspected By:





	BRIDGE INSPECTION REPORT TIMBER BENT									
Span:	Span: 3 Alignment: TANGENT Vert. Clear: 8'-3" Bridge No. 420.20									
DETAIL	DETAILS - BENT NUMBER: 3 Span Length: 15'									



Description: Looking East - (8) 7.5"x17" stringers, (2) 3.5" x 17" exterior stringers, (1) steel beam, timber bent #3

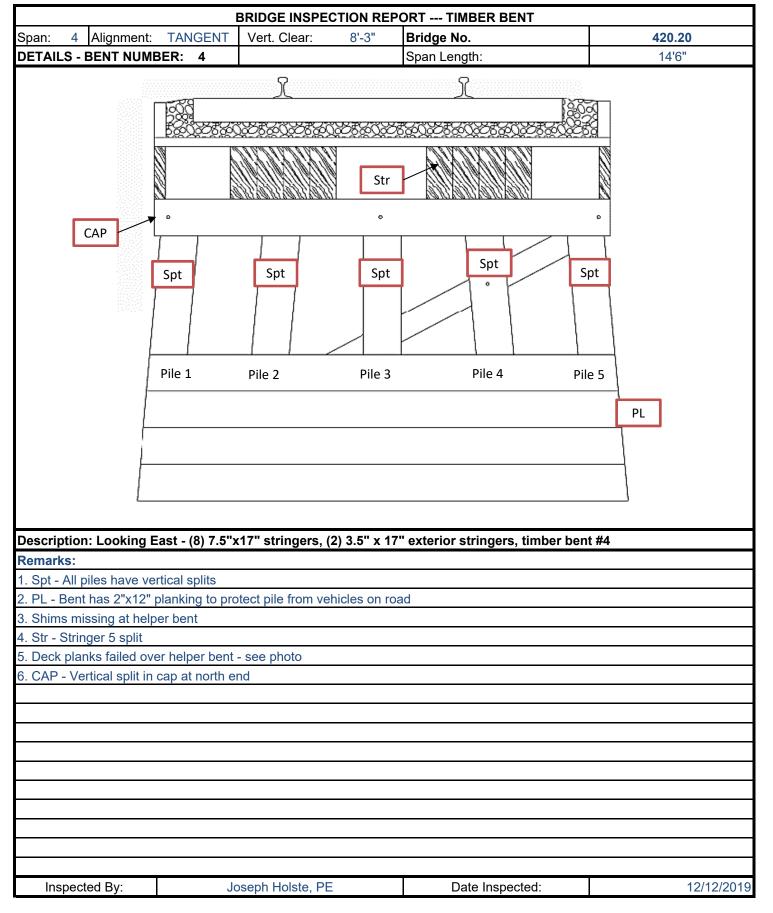
Remarks:

- 1. SPT Piles #1,#2,#3, #4 and #5 have vertical splits see photo
- 2. DM Stringer #8 has minor damage from high impact load
- 3. PL Bent has 2"x12" planking to protect pile from vehicles on road
- 4. HIT Bridge has been hit by high load, ballast stringers have major section loss see photo
- 5. Additional steel beam added

Inspected By:	Joseph Holste, PF	Date Inspected:	12/12/2019











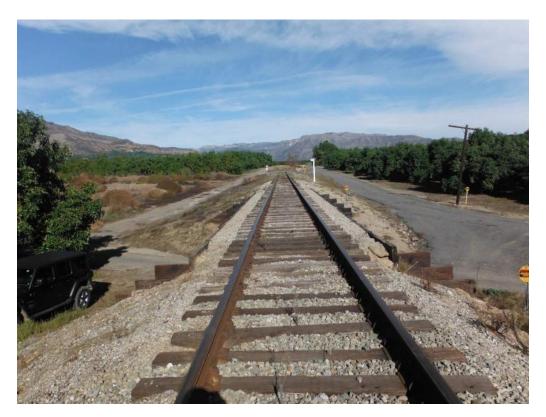
12/12/2019

MAINLINE/SUBDIVISION: VCTC	IDGE INSPECTI	ON REPO	RT TIMBER ABUTMENT	
Alignment: TANGENT	Vert. Clear:	8'-3"	Bridge No.	420.20
DETAILS - ABUT NUMBER: 5			Span Length:	
P	Fa DR Spt ILE 1 PILE	2 PILE	Rot Spt Spt Spt Spt Spt Spt Spt Spt Spt Sp	5
Description: Looking East - (8) 7.5":	x17" stringers, (2) 3.5" x 17	7" exterior stringers, timbe	er abutment #5
Remarks:				
1. DR (2014) - Pile #1 has 2" of shell r				
2. Fa - Span #4 ballast boards are fail			0	
3. Spt - Piles #1 and #5 have vertical s				
4. Rot - Back wall is rotten - see photo	1			

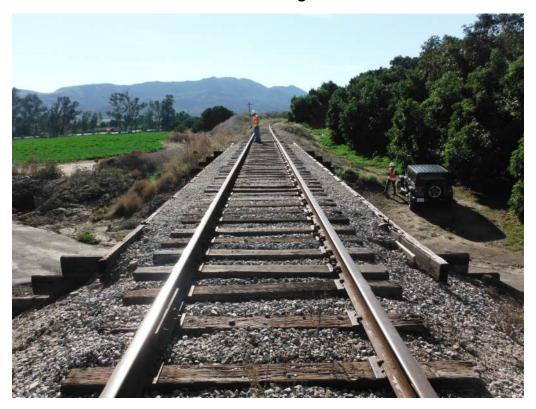
Date Inspected:

Joseph Holste, PE

Inspected By:



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 IN	ISPECTION	ON REPO	DRT				
						INS	SPECTION TYPE	E:	Anr	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTIO	N INFO	RMATION		
Milepost	420.46				_	Date	12-Dec-19	Time	1:50) PM	
Location	Santa Paula B	Branch Lir	<u>-</u> ne			Inspecto	or Name	-	oseph Hols		
	Fillmore, CA				_		ne Number		303-501-1		
Stream	x (unknown	creek)	Overpass		Other				Wilson &		
	erating Speed:			Passenger:			. ,				
DECK	Type:		Number of				Condition Rating		5		
	RAIL	Weight:	-	Type:	Jointed	-	ت isual Condition F	Rating:	3		
		_				-	, section loss eas				
	TIES	Type:	Timber		Conditio						
	<u></u>	Notes:						=			
	BALLAST		13 in	Ballast	t Conditio	n Rating:	5				
		Notes:	10	·	Condition	. r taurig.		-			
	DECK PLANKS		Timber		Conditio	n Rating:	5	Notes:			
-	OTHER	Type:	TITIDOI	•		_		Notes.			
	OTTIER	турс.				ii i katilig.		-			
SLIDERS	TRUCTURE										
OOI LIKO	Visual Condition	on Ratino	a 5								
	Type:	_	Number ba	arrels		Ro	und or Rect		Size		
	туре.	Guivert.	Approx Lng			-	Concrete		Steel		
		Bridge:		gui.	-	-	Timber	90'	Concrete		
		•	Truss			D	eck Girder	30	Through		
		Type:	Trestle			-	eck Gildei		Girder		
						<u>х</u> 6	Annroy C	nan I a		15'	
		Natas.	Num Spans				Approx. S	•	iguis	15	
		Notes:	Ballast	Deck timber	trestie wit	n supplei	mental steel bea	ms			
SUBSTR	LICTURE										
SUBSIK	Visual Condition	on Ratino	1	3							
	Bent:	01111011119	4	Туре	Tin	nber	- Notes				
	Abutment:		3	Туре		nber	-				
	Wingwalls:		-	Туре			_ Notes				
	Embank			Туре			_ Notes				
	Footing			Туре	-		_				
	Inaccessible a			Туре			_ Notes				
	maccessible a	ileas.	(<u> </u>								
STREAM	CHANNEL	on Dotina									
	Visual Condition Stream Depth	-		lence	V	es	Moving Water		no		
	Notes						embed remainir		110		
	110100		241 201110011	. Som 2 and S	70111 01 10	it or pilo	ombod romanii	·9·			
OVERAI	L RATING										
J . L. W.L	High Priority		Medium Pr	ority		X	Low Priority				
		-	-	•			-				
l											

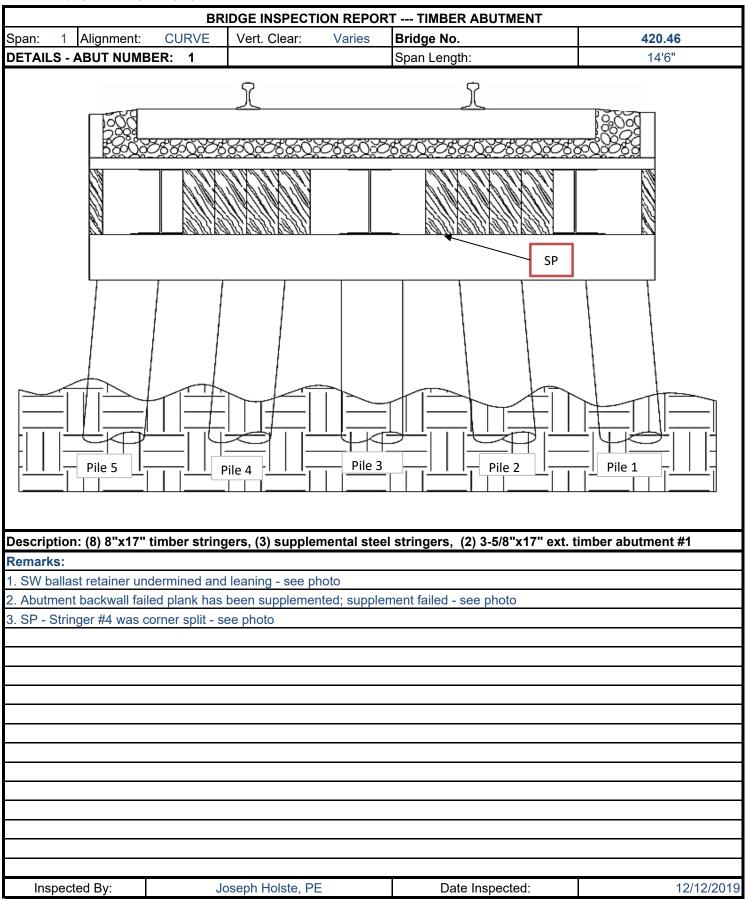




MAINLINE/SUBDIVISIO		CE INCRECT	ION REPORT	TIMPED OF	DIICTURE				
Snanc:	6	Alignment:	Curve	Vert. Clear:	12' +-	Bridge No.	420.46		
Spans: No. of Tks:	1	Deck Type:	Ballast	Br. Over:	creek	Overall Length:	90'		
ENVIRONMENT		STRINGERS		Di. Ovei.	B08 Sash		3		
E01 Scour	3	S01 Stringers		5			N/A		
E02 Channel		S01 Stringers		_	B09 Long		N/A		
	3			N/A 5	B10 Cap Long Brace N/A B11 Shims N/A				
E03 Approach DECK	3	S03 Bearing (BENTS	<u>ш</u> Сар	5	MISC. OT		IN/A		
	NI/A			2	! }	NEK			
D01 Ties (OD only)	N/A		ment & Wingwalls	3	M01 M02				
D02 Ties Spacers	N/A		ment & Wingwalls		1				
D03 Rail	3	B03 Caps		3 M03					
D04 Ballast Floor	3	B04 Piles	<u> </u>	3	M04				
D05 Ballast Retainer	5	B05 Framed B	Bents	N/A		wall Datham	_		
D06 Footwalk	N/A	B06 Posts		N/A	Ove	erall Rating:	5		
D07 Handrail	N/A	B07 Cross Br	aces	3					
			COMMENTS	<u> </u>					
Reference				Remark					
Wingwall	Wingwall is fa	iling at west e	nd, right side, wii	ngwall neede	d at east er	nd			
Walkway, Handrail	No walkway,	no handrail							
Utilities	Pipe line parallel to tracks at 50' south								
Structure	Superstructure replaced (2016)								
Ballast	Hole in ballast at SW shoulder. Ballast retainer failed.								
		MAINTEN	IANCE RECOMI	MENDATION	S				
Priority				Description					
E03, B	Raise approa								
D03			ction as tonnage						
B01, B02, B/C	•				t end, Repl	ace west backwal			
B07, B08, B, M	†		y brace, attach b	ent 4 brace					
D04, B		n deck planks							
E01, E02, B03, B04, M	Monitor, Cond	dition may cha	nge & raise prior	ity					
	CONDI.	TION RATING				PRIORITY			
Failed (may requi	ire bridge out o		A. Imm	ediately					
, , ,		all trains		in 1 year					
until repaired.									
	vith exceptions: Slow order may be required. D. Within 5 years								
•	ems such as (handrail, footwalk, etc.) E. Within 10 years								
5. Good with minor e	,		,/			itor, Condition ma	v change &		
6. New Bridge						e priority	y orialise a		
7. Not inspected: Re	ason stated				14.50	- p 			
Inspected		J	oseph Holste, Pl		Da	ate Inspected:	12/12/2019		









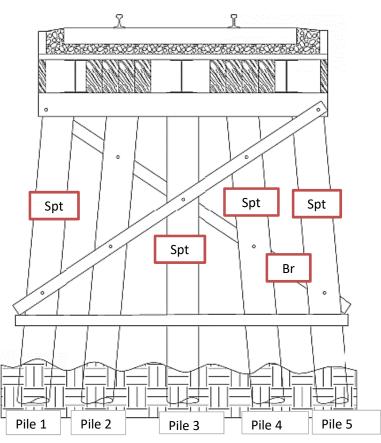


12/12/2019

MAINLINE/SUBDIVISION: VCTC

Inspected By:

	BRIDGE INSPECTION REPORT TIMBER BENT									
Span:	Span: 2 Alignment: CURVE Vert. Clear: Varies Bridge No. 420.46									
DETAIL	DETAILS - BENT NUMBER: 2 Span Length: 15'									



Description: (8) 8"x17" timber stringers, (3) supplemental steel stringers, (2) 3-5/8"x17" exterior timber bent #2 Remarks: 1. Br-Span #2, bent #2 sway brace is broken on south side at pile #5 - see photo 2. Spt - Piles #1, #3, #4 and #5 split - see photo

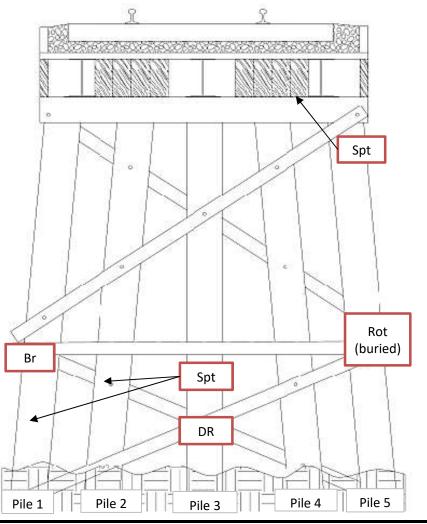
Date Inspected:

Joseph Holste, PE





	BRIDGE INSPECTION REPORT TIMBER BENT									
Span:	Span: 3 Alignment: CURVE Vert. Clear: Varies Bridge No. 420.46									
DETAIL	. S -	BENT NUMBI	ER: 3			Span Length:	15'			



Description: (8) 8"x17" timber stringers, (3) supplemental steel stringers, (2) 3-5/8"x17" ext. timber bent #3

Remarks:

- 1. Spt, DR-Pile #1, #2 and #3 has vertical split, 2" to 3" shell remaining (2014) see photo
- 2. Br-Span #2, tier #1 Sash brace is broken on left side see photo
- 3. Spt Stringer 8 corner split
- 4. Scour between bents 3 & 4 (4' to 5' max). Worst at bent 3 see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019



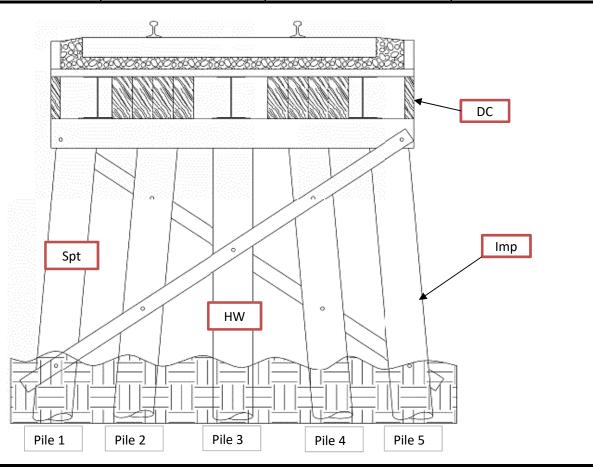


BRIDGE INSPECTION REPORT TIMBER BENT				
Span: 4 Alignment: CURVE	Vert. Clear:	Varies Bridge No.	420.46	
DETAILS - BENT NUMBER: 4		Span Length:	15'	
SB Pile 1	Pile 2	Spt Pile 3 Pile 4 Pile 5		
	gers, timber bent	#4, (3) supplemental steel stringers		
Remarks:	vertical enlit	photo		
 PU,Spt-Pile #3 is punky and has a value SB - Sash bracing is not attached - 		טווטנט		
 Slope paving undermining downstre 				
4. Stringer 2 corner split	ess prioto			
Inspected By: J	oseph Holste, PE	Date Inspected:	12/12/2019	





BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	5	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.	420.46
DETAILS - BENT NUMBER: 5				Span Length:	15'		



Description: (8) 8"x17" timber stringers, (3) supplemental steel stringers, (2) 3-5/8" x 17" ext. timber bent #5

Remarks:

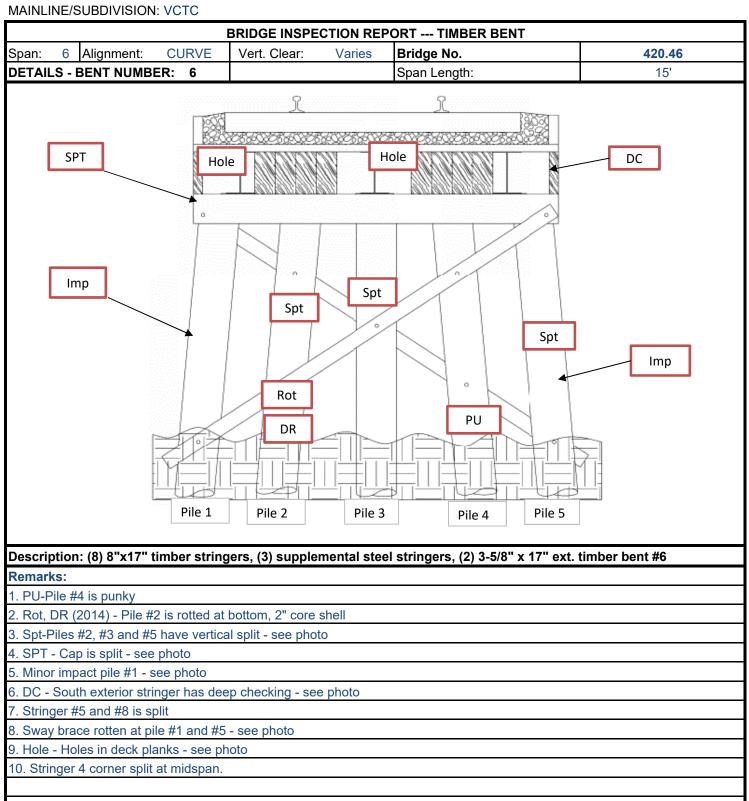
- 1. Spt Pile #1 split see photo
- 2. Imp Impact damage Pile #5 see photo
- 3. HW Pile #3 is hollow
- 4. DC South exterior stringer has deep checking see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	





12/12/2019



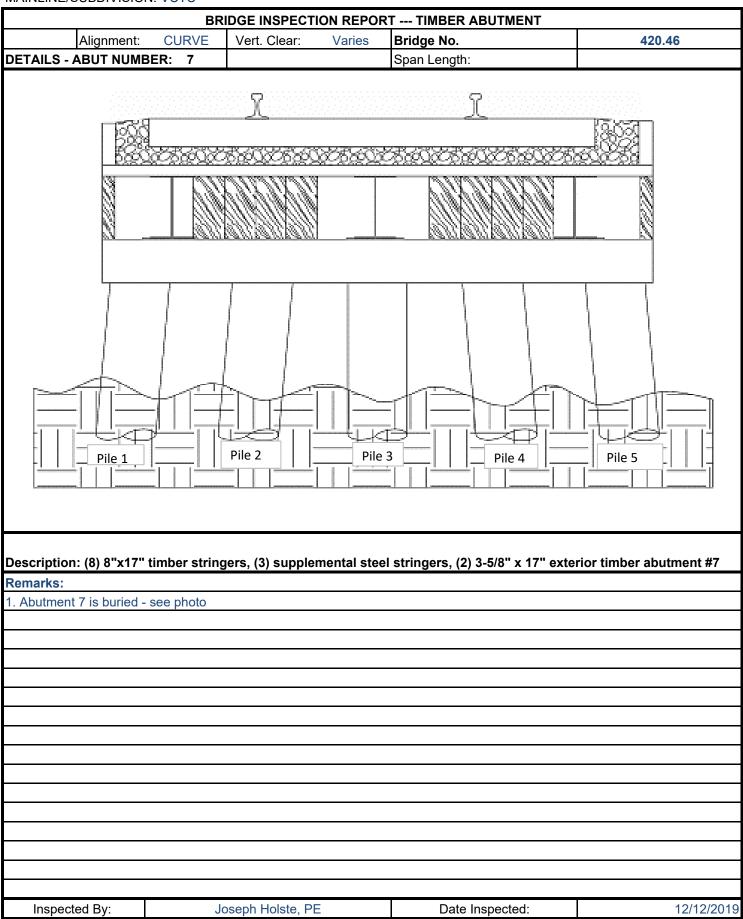
Date Inspected:

Joseph Holste, PE

Inspected By:









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



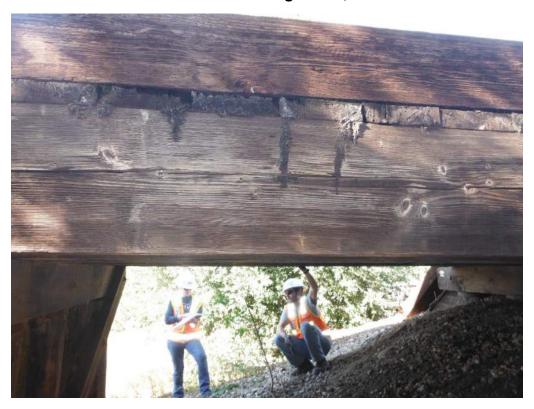
420.46 Pile 5 vertical split, Bent 6



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





				BRID	DGE IN	ISPECTIO	N REP	ORT				
							IN:	SPECTION TYP	E:	Anr	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ				INSPECTIO	N INFO	RMATION		
Milepost	421.05					_	Date	12-Dec-19			p.m.	
Location	Santa Paula B	Branch Lir	- ne					or Name	_			
	Fillmore, CA					_		one Number				
Stream	x (unknown	creek)	Overpass			- Other	•				k Company	
	erating Speed:				enger:	15 mph		. ,				
DECK								Condition Rating		3		
	RAIL							/isual Condition			•	
		_	East and w				•		J		•	
	TIES							: 3				
			Poor Cond				3		_			
	BALLAST		11 in		Ballast	Condition	n Rating	: 5				
	<u> </u>	Notes:		i	Danaot	Corrainor	tating		_			
	DECK PLANKS		Timber			Condition	n Rating	: 5	Notes:			
<u> </u>	OTHER	Type:	TITIDOI	•				· :	-			
	OTTIER	турс.				_Ooriditioi	ritating	•	_			
SUPERS ¹	TRUCTURE											
	Visual Condition	on Rating	5									
	Type:	_	Number ba	rrels			Ro	ound or Rect		Size		
	31		Approx Lng				•	Concrete		Steel		
		Bridge:		J · · ·			•	Timber	30'			
		_	Truss				•	eck Girder		Through		
		i ypo.	Trestle					Jook Cirdor		Girder		
			Num Span	<u> </u>			2	Approx. S	Snan I e		15'	
		Notes:	Num Opan		ist Decl	-			pan Lo	ilguis	10	
		110103.		Dalla	iot Deei	K TIITIDOI	TTCSGC	Built 1007		•		
SUBSTR	UCTURE											
	Visual Condition	on Rating			3			<u> </u>				
	Bent:		5	Type		Tin	nber	_ Notes	·			
	Abutment:		3	Туре		cond	crete	Notes	s			•
	Wingwalls:			Туре				Notes	ss			
	Embank			Туре								
	Footing			Туре				_ Notes				
	Inaccessible a	reas:						_				
STREAM	CHANNEL											
	Visual Condition	on Rating										
	Stream Depth		Scour Evid			r	10	_Moving Water		no		i
	Notes	Channe	l is mostly s	ilted in								
0)/== :::												
OVERAL	L RATING		Madium D	iorit.				Low Drients		v		
	High Priority		iviedium Pr	ionly				_Low Priority		Х		





	BRID	GE INSPECTI	ON REPORT	TIMBER ST	RUCTURE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	421.05
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	30'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers		5	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 (@ Сар	5	B11 Shim	is	N/A
DECK		BENTS			MISC. OT	THER	
D01 Ties (OD only)	N/A	B01 West Abut	ment & Wingwall	3	M01		
D02 Ties Spacers	N/A	B02 East Abutr	nent & 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 E	Bents	5			
D06 Footwalk	N/A	B06 Posts		5	Ove	erall Rating:	5
D07 Handrail	N/A	B07 Cross Bra	aces	5			
			COMMENTS		_		
Reference				Remark			
Utility	Utilities run pa	arallel to track	on right side at 5				
Utility	Utility pipe rur	nning on and u	nder bridge				
Ballast Curb		ndermined all					
		RA A INITEN	IANCE DECOM	MENDATION			
Priority		WAINTEN	ANCE RECOM		<u>ა</u>		
,	Doing approa	ahaa hath and		Description			
E03, B		ches both end		diototoo			
D03			ction as tonnage				
B01, B02, B/C			ngwalls both end	is doth sides			
E02, B	Clean silt fron	ı Span 1					
	1						
	+						
	<u> </u>						
		ION RATING				PRIORITY	
1. Failed (may requ						ediately	
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector foi	all trains		nin 1 year	
until repaired.					1	nin 3 years	
Satisfactory but w	•		· · · · · · · · · · · · · · · · · · ·			nin 5 years	
4. Worker Safety: ite	,	andrail, footwa	lk, etc.)		1	in 10 years	
5. Good with minor 6	exceptions					nitor, Condition may	y change &
6. New Bridge					- rais	e priority	
7. Not inspected: Re							
Inspecte	d By:	J	oseph Holste, Pl	E	D	ate Inspected:	12/12/2019





	DGE INSPECTION	N REPO	RT TIMBER ABUTMENT	
Span: 1 Alignment: TANGENT	Vert. Clear:	4'	Bridge No.	421.05
DETAILS - ABUT NUMBER: 1			Span Length:	14' 6"
Spt Cr	SCOOCSOOCSO			Cr Sp
Description: (12) 12"x12" timber stri Remarks: 1. Cr - Stringer retainer is cracked - se		abutmen	t #1	
2. SPT - North deck sill spliting at curb	bolt - span #1 - s	ee photo		
3. Span 1 silting in - see photo				
4. SP - Both wingwalls spalled				
Inspected By: Jo	seph Holste, PE		Date Inspected:	12/12/201



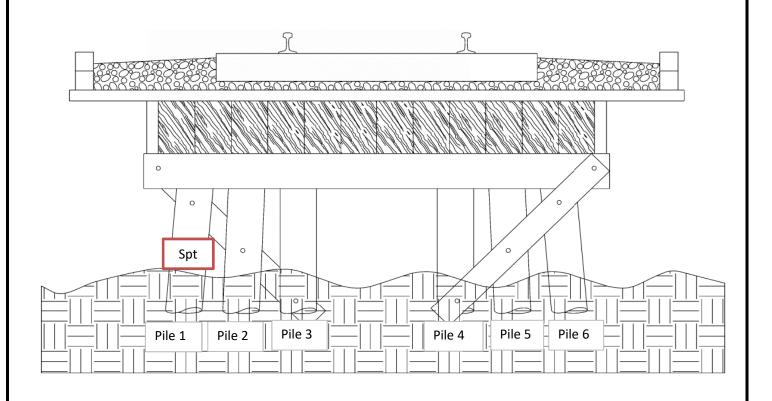


12/12/2019

MAINLINE/SUBDIVISION: VCTC

Inspected By:

	BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	2	Alignment:	TANGENT	Vert. Clear:	3'	Bridge No.	421.05	
DETAIL	DETAILS - BENT NUMBER: 2					Span Length:	14' 6"	



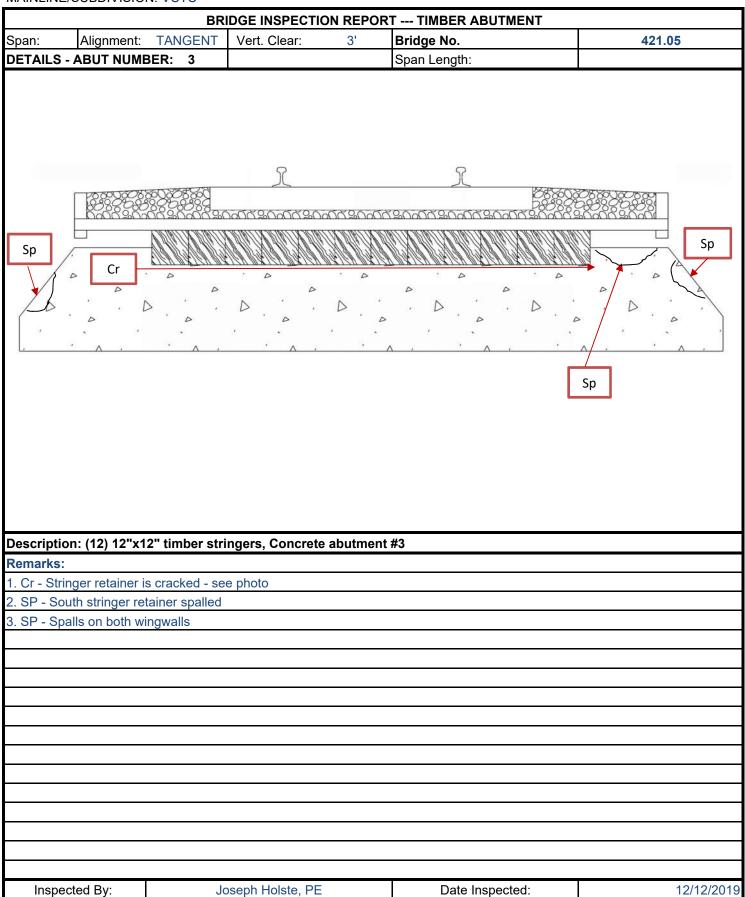
Description: (12) 12"x12" timber stringers, Timber framed bent #2	
Remarks:	
. Spt - Vertical split in pile #1, punky with impact damage on north face -see photo	
2. Deep checks bent #2 cap	

Date Inspected:

Joseph Holste, PE









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





NSPECTION TYPE:					BRIDGE IN	SPECTIO	ON REPO	DRT				
Milepost Santa Paula Branch Line Fillipmer, CA Santa Paula Branch Line Fillipmer, CA Santa Paula Branch Line Talephone Number Santa Paula Supph Holste, PE Santa Paula Branch Line Talephone Number Santa Paula Supph Holste, PE Santa Paula Branch Line Talephone Number Santa Paula Supph Holste, PE Santa Paula Supp							INS	SPECTION TYPE	≣:	Anr	nual	
Deck Planks Timber Deck Planks Plank		STRU	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTION	N INFO	RMATION		
Decided Santa Paula Branch Line Inspector Name Telephone Number 303-501-1215	Milepost	421.23				_	Date	12-Dec-19	Time	2:35	5 PM	
Telephone Number 303-501-1215 Stream			Branch Lir	- ne								
Stream						_						
Train Operating Speed: Freight: 10 mph	Stream		ide)	Overnass		_ Other	Тогоргіо					
Number of Tks				•	Passenger:	_		Company		VVIISOIT &	Oompany	
RAIL Weight								ondition Rating		5		
Notes: Approaches are low. Damaged east rail. North rail horiz misalign 1/2". North rail 1" low across bridge. Tiles	DEGIN	• •		-			-	•	Satina.			
TileS		IVAIL	_				_'				v across brida	10
Notes: Sin		TIEC							1/2 . 140	Turraii i iov	v across bridge	JC.
BALLAST Notes: Hole in ballast Condition Rating: 3		IIES		Timber	rie	Condition	i Kaung.	<u> </u>	•			
Notes: Hole in ballast over pipes Timber Condition Rating: 5 Notes:		DALLACT		0 :	D - II4	0 1141	- D-4:	2				
DECK PLANKS Type: OTHER		BALLASI					n Rating:	3	•			
SUPERSTRUCTURE Visual Condition Rating	_				last over pipe		- · ·		N. (
Superstructure	<u> </u>			Timber								
Visual Condition Rating 3		OTHER	Type:			_Conditioi	n Rating:		-			
Visual Condition Rating 3	CHDEDC:	TRUCTURE										
Type: Culvert: Number barrels 3	SUPERS		on Botino	. 2								
Approx Lngth. Concrete Steel Bridge: Steel Timber 30' Concrete Type: Truss Deck Girder Through Trestle X Girder Num Spans 2 Approx. Span Lengths 15' Notes: Ballast Deck Timber Trestle - Built 1897 SUBSTRUCTURE Visual Condition Rating 5 Bent: 5 Type Timber Notes Wingwalls: Type Notes Embank Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING			_	-	urrala	2	Do	und or Doot		Cizo		
Bridge: Steel		Type:	Culvert.				•			-		
Type: Truss			D · ·		gtn.		•		201	-		
Trestle			•	•			•		30'	-		
Notes: Ballast Deck Timber Trestle - Built 1897 SUBSTRUCTURE Visual Condition Rating 5 Bent: 5 Type Timber Notes Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end NOVERALL RATING			Type:	•			De	eck Girder		•		
SUBSTRUCTURE Visual Condition Rating 5 Bent: 5 Type Timber Notes Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end										-		
SUBSTRUCTURE				Num Span				-	pan Lei	ngths	15'	
Visual Condition Rating 5 Bent: 5 Type Timber Notes Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end			Notes:		Ballast Dec	k Timber	Trestle -	Built 1897				
Visual Condition Rating 5 Bent: 5 Type Timber Notes Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING	CURCTR	LICTURE										
Bent: 5 Type Timber Notes Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end	SUBSTR		on Ratino		5							
Abutment: 5 Type Concrete Notes Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth O Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING			on raing			Tin	nher	- Notes				
Wingwalls: Type Notes Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING			-									
Embank Type Notes Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING						COII	CIELE					
Footing Type Notes Inaccessible areas: STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING		_						_				
STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING								_				
STREAM CHANNEL Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING		•			туре			_ Notes				
Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING		inaccessible a	ireas:									
Visual Condition Rating 5 Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING												
Stream Depth 0 Scour Evidence no Moving Water no Notes Vegetation needs to be removed at downstream end OVERALL RATING	STREAM		on Dotino									
Notes Vegetation needs to be removed at downstream end OVERALL RATING					ence	r	10	Moving Water		no		
OVERALL RATING										110		
		110100	Vogotat	ion noodo te	DO TOMICVOU	at downe	trouitr on	iu .				
	OVERAL	L RATING										
				Medium Pr	riority		X	Low Priority				
		-		-	-			-				



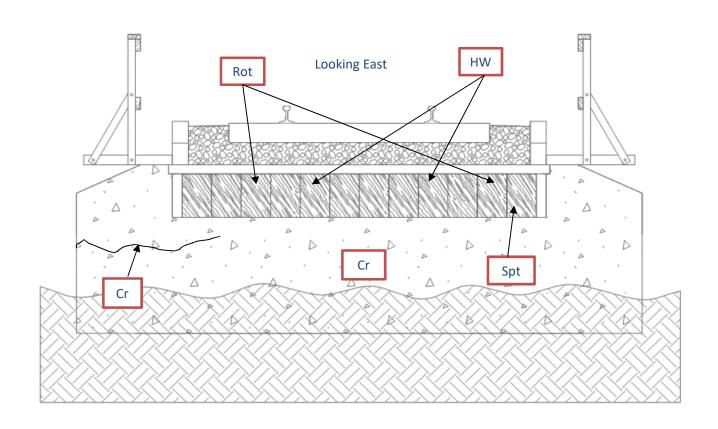


WAINLINE/SUBDIVISION		GE INSPECT	ION REPORT	TIMBER ST	RUCTURE			
Spans:	4	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	421.23	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	60'	
ENVIRONMENT		STRINGERS			B08 Sash	Brace	N/A	
E01 Scour	5	S01 Stringers	<u> </u>	3	B09 Long	Brace	N/A	
E02 Channel	3	S02 Line Bolt	ts	N/A	B10 Cap I	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	kwall & 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	Bents	5				
D06 Footwalk	4	B06 Posts		5	Ove	erall Rating:	3	
D07 Handrail	4	B07 Cross Br	B07 Cross Braces 5					
			COMMENTS	 S				
Reference	1			Remark				
7	Last two spar	ns are covered	with concrete ar		spans 3 -	42" culverts were a	added	
Walkway	•				•	e on both sides - se		
Walkway	South walkwa		'					
Utility		under bridge	on right side					
Ballast		Low ballast, hole in ballast, fouled ballast - see photo						
Handrail			(3rd from west er					
Channel	Debris covering pipe opening							
	_	MAINTEN	NANCE RECOM	MENDATION	S			
Priority				Description				
E02, B		el downstream						
E03, B		ches both end						
D03			ction as tonnage	dictates				
D06, A	Repair walkw	•						
D07, A	Repair handr				16 1141			
S01, B/C, M			#1 & #2 in 1 to 3	years. Monito	or if condition	on worsens		
D04 D	and raise pric		V !!!					
D04, B	increase balla	ast depth to 12	in minimum					
		TION RATING	i			PRIORITY		
1. Failed (may requ						ediately		
2. Deficient: OK for o	pperations, but	requires Flagr	man/Inspector for	all trains		in 1 year		
until repaired.					1	in 3 years		
3. Satisfactory but w						in 5 years		
4. Worker Safety: ite	,	andrail, footwa	alk, etc.)			in 10 years		
5. Good with minor 6	exceptions					itor, Condition may	/ change &	
6. New Bridge					- raise	e priority		
7. Not inspected: Re		1		_		4-11	40/40/004	
Inspecte	a By:	J	loseph Holste, Pl		Da	ate Inspected:	12/12/2019	





	BRIDGE INSPECTION REPORT TIMBER STRUCTURE / CONRETE ABUTMENT						
Span:	1	Alignment:	TANGENT	Vert. Clear:	1.5'	Bridge No.	421.23
DETAIL	LS -	ABUT NUME	BER: 1			Span Length:	15'

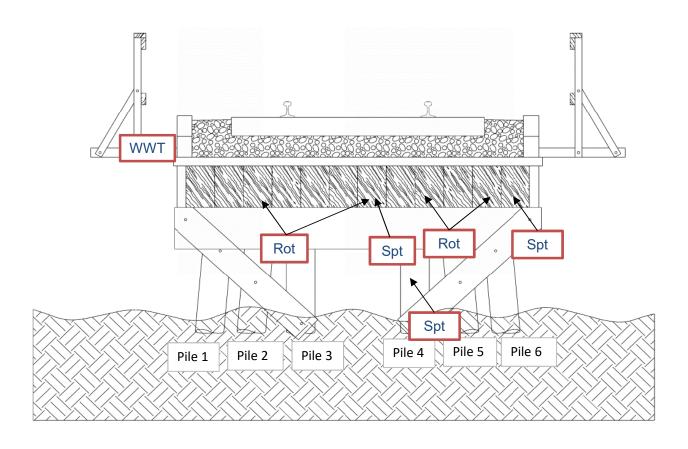


	mber stringers, Concrete abutmer	1(#1	
Remarks:			
I. Rot-Stringers #3 and #11 a	are rotted		
2. HW-Stringers #5 and #9 a	re hollow		
3. Cr-Abutment #1 has minor	cracking		
4. Spt - Stringer #12 split			
5. Cr-Horizontal crack on nor	th side abutment		
6. Span 1 silted in with 1'-2' o	learance		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019





	BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	2	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	421.23	
DETAILS - BENT NUMBER: 2					Span Length:	15'		



Description: (12) 12"x12" timber stringers, Timber Bent #2	2
--	---

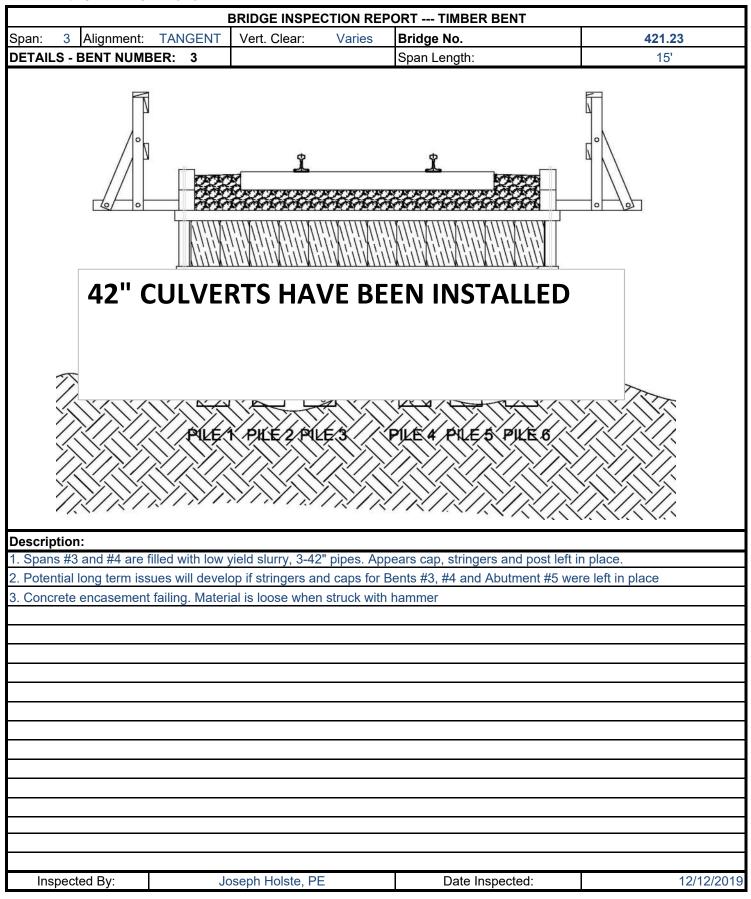
Remarks:

- 1. Rot-Stringers #3, #7, #9 and #11 are rotten
- 2. WWT-Multiple walkway timbers are broken causing safety hazard
- 3. Spt Pile #4 is split see photo
- 4. Spt Stringer #12 is split/checking see photo
- 5. Spt Stringer #7 is split

Inspected By:	Joseph Holste, PE	Date Inspected:	12/12/2019

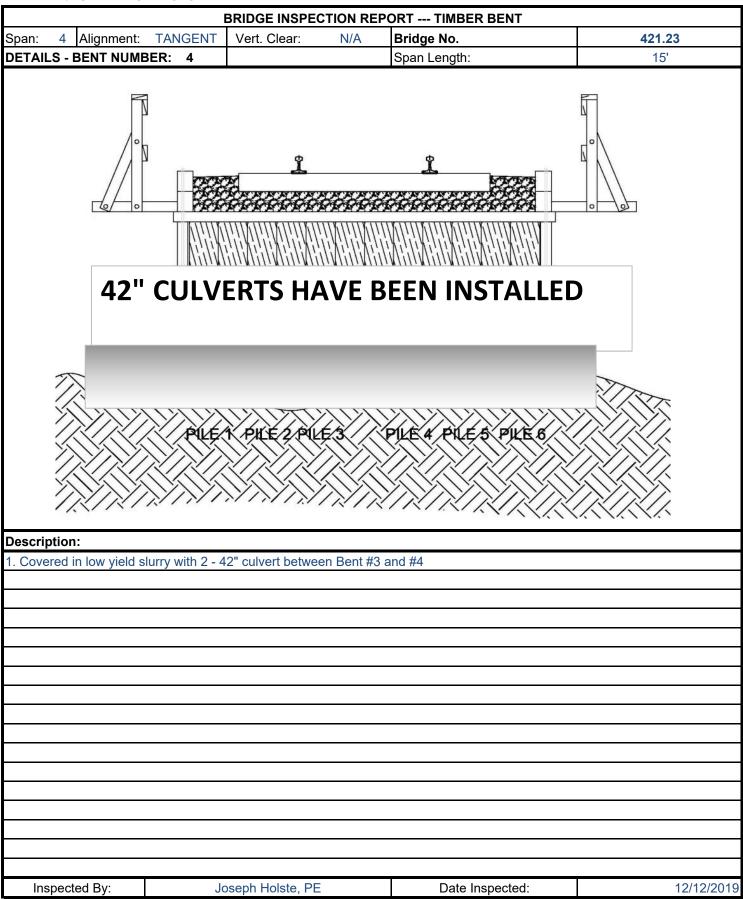
















BR	RIDGE INSPEC	TION REPORT -	TIMBER	STRUCTURE / CONRETE AI	BUTMENT
Alignment:		Vert. Clear:	N/A	Bridge No.	421.23
DETAILS - ABUT NUM				Span Length:	
Desciption:					
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/12/2019



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	ON REP	ORT				
						IN:	SPECTION TYPE	Ξ:	Anı	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTIO	N INFO	RMATION		
Milepost	422.53					Date	12-Dec-19			5 PM	
Location	Santa Paula B	Branch Lir	- ne					-	loseph Hols		-
	Fillmore, CA					•			303-501-1		•
Stream	x (draina	ige)	Overpass		Other	•				& Company	-
	erating Speed:	-	-				, ,				
DECK	• •		Number of		•		Condition Rating		5		
	RAIL	Weight:		Type:	Jointed		/isual Condition F	Ratina:		•	
		_				-	approach horizor	_		•	
	TIES		Timber				: 5				=
		٠.	ties not and					•			
	BALLAST		N/A		-	n Rating	:				-
	<u>BALLAGI</u>	Notes:	14// (·	ast Coriditio	ii rtatiiig	•	-			
	DECK PLANKS		N/A		Conditio	n Rating	:	Notes:			-
<u> </u>	OTHER		IN//A				· :				-
	OTHER	Type:			Conditio	ii Nauriy	·	-			
SUPERS ¹	TRUCTURE										
	Visual Condition	on Ratino	n 5								
	Type:	_	Number ba	arrels		Ro	ound or Rect		Size		
	. , po.	ourrert.	Approx Lng			-	Concrete		Steel		-
		Bridge:		-	5'	-	Timber		Concrete		-
		Type:	Truss				eck Girder		Through		-
		туре.	Trestle			-	reck Ollder		Girder		
			Num Span			1	Approx. S	nan La	•	15'	-
		Natası	•		taal I baam	Duilt 40		pan Le	nguis	10	-
		Notes:		3	teel I-beam	- Dulit 13	941				-
SUBSTR	UCTURE										
	Visual Condition	on Rating	9	5			<u> </u>				
	Bent:			Туре			_ Notes				
	Abutment:		5	Туре	Sand	dstone	Notes				_
	Wingwalls:			Туре			Notes				_
	Embank			Туре			_ Notes				-
	Footing			Туре							
	Inaccessible a	reas:					_				•
											•
STREAM	CHANNEL										
	Visual Condition	on Rating	N/A								
	Stream Depth	0	Scour Evid	lence	1	าด	_Moving Water		no		_
	Notes										-
											-
OVERAL	L RATING			,					V		
	High Priority		_Medium Pr	riority			_Low Priority		X	•	





MAINLINE/SUBDIVISI		GE INSPECT	ION REPORT -	TIMBER ST	RUCTURE	:	
Spans:	1 1	Alignment:	Tangent	Vert. Clear:	12'	Bridge No.	422.53
No. of Tks:	1	Deck Type:	Open	Br. Over:	Drainage		15'
ENVIRONMENT		STRINGERS		21. 0 (61.	B08 Sash		N/A
E01 Scour	5	S01 Stringers		5	B09 Long		N/A
E02 Channel	5	S02 Line Bolt		N/A		Long Brace	N/A
E03 Approach	3	S03 Bearing		5	B11 Shim		N/A
DECK	Ü	BENTS	@ oap	Ü	MISC. OT		14/7 (
D01 Ties (OD only)	3	B01 West Ba	ckwall	5	M01		
D02 Ties Spacers	5	B02 East Bac		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	Bents	N/A			
D06 Footwalk	5	B06 Posts	Bonto	N/A	Ove	erall Rating:	5
D07 Handrail	3	B07 Cross Br	aces	N/A	1	3	
			COMMENT		JI		
Reference	<u> </u>		COMMEN	Remark			
Handrail	Handrail cabl	le north side is	loose	ROHIGIR			
Utility		r bridge at abut					
Othicy	o pipo undoi	bridge at abai	anone // 2				
		MAINTEN	NANCE RECOM		<u>s</u>		
Priority				Description			
A		etation from ar					
E03, B		ches on both					
D03		with heavier se	ction as tonnag	je dictates			
D07, B	Repair cable						
D01, B	Add J-bolts to	o attach ties to	stringers along	with guard tim	bers		
	CONDI	TION RATING	1			PRIORITY	
Failed (may require bridge out of service)						ediately	
2. Deficient: OK for	operations, but	requires Flagr	nan/Inspector f	or all trains		in 1 year	
until repaired.					1	nin 3 years	
Satisfactory but w	•					nin 5 years	
4. Worker Safety: ite	•	nandrail, footwa	alk, etc.)		E. With	in 10 years	
5. Good with minor of	exceptions				M. Mor	nitor, Condition may	y change &
6. New Bridge					- rais	e priority	
7. Not inspected: R							
Inspecte	ed By:		Joseph Holste F	PE	Da	ate Inspected:	12/12/20



Inspected By:

Joseph Holste PE



12/12/2019

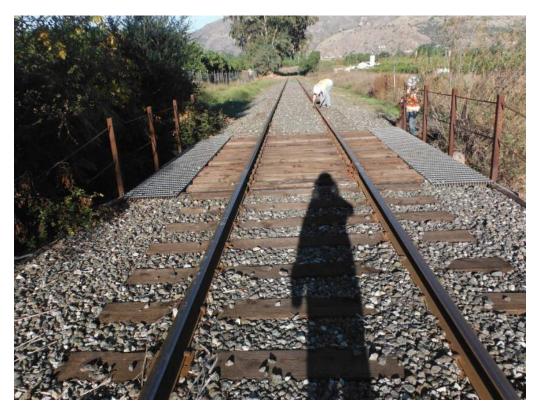
			ON REPO	ORT STONE ABU	TMENT	
	NGENT	Vert. Clear:	12'	Bridge No.		422.53
ETAILS - ABUT NUMBER:	1			Span Length:		13'4"
		GT HB		GT	НВ	
~~~						
						7
						7
					7.7	
		7		Y		1
			-			_
escription: Looking west -	(7) I boa	m etringare ea	ndetono :	shutmont #1		
Remarks:	(7)1 500	in samgers, sai	iastorio (	abatiment #1		
. HB - No hook bolts attachin	a ties to s	Steel Stringers				
. GT - No Guard Timber	g iles to t	oteer ouringers				
. Southwest ballast curb und	ermined -	see photo				
. Oddirwest ballast curb und	erriirieu -	see prioto				

Date Inspected:





		BR	IDGE INSPECTION	ON REPOR	T STONE AB	UTMENT	
Span:	Alignment:	TANGENT	Vert. Clear:	12'	Bridge No.		422.53
DETAILS -	ABUT NUME	BER: 2			Span Length:		
				-			
Dogorintia	nı Lookina v	(act (7)   bac	m stringers, san	dotono ob	utment #2		
Remarks:	iii. Lookiiig w	rest - (1) i bea	ili stilligers, sai	iustone at	utilient #2		
	st wingwall blo	ocks loose					
Inspe	cted By:	Jo	oseph Holste PE		Date Ins	pected:	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	SPECTION	ON REPO	ORT				
						INS	SPECTION TYPE	≣: [	Anr	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTIO	N INFO	RMATION		
Milepost	422.89				-	Date	12-Dec-19	Time	3:15	5 PM	
-	Santa Paula B	Branch Lir	- ne			Inspecto	or Name		oseph Hols		
	Fillmore, CA				_		one Number				
Stream	x (draina	age)	Overpass		- Other					& Company	
	erating Speed:				_		C 5 p 4 y				
DECK							Condition Rating		3		
	RAIL			Type:			/isual Condition F	Rating:		•	
	<u></u>			vest approach				tuung.		•	
	TIES		Timber		Conditio		: 3				
	1120		Multiple sp		Condition	ir i katilig.		-			
	BALLAST	Depth:			Condition	n Pating:	: 3				
	<u>BALLAS I</u>			ouled Ballast	Condition	i Nauriy.		-			
	DECK PLANKS				Condition	n Poting	<u> </u>	Notes:			
-			N/A					Notes.			
	<u>OTHER</u>	Type:	Concrete o	leck	Condition	n Kaung.	: 5	•			
CLIDEDS	TRUCTURE										
SUFERS	Visual Condition	on Patino	5								
	Type:		Number ba	arrele		Po	ound or Rect		Size		
	rype.	Cuivert.				•	Concrete		Steel		
		Dridge	Approx Lng	yuı. 12'	-	•	Timber				
		Bridge:		12					Concrete		
		Type:	Truss				eck Girder		Through		
			Trestle			4	A		Girder	401	
			Num Span			1	_ Approx. S	pan Lei	ngtns	12'	
		Notes:	R	all Stringers e	encased i	n concre	te - built 1915				
SUBSTR	UCTURF										
CODOIN	Visual Condition	on Ratino	1	5							
	Bent:		·	Туре			– Notes				
	Abutment:		5	Туре	Con	crete	_				
	Wingwalls:			Туре			_ Notes				
	Embank			Туре			_ Notes				
	Footing			Туре	-		_				
	Inaccessible a	reas:		Турс	-						
	maccessible a	iicas.									
CTDEAM	CHANNEL										
SIKEAW	Visual Conditi	on Ratino	ı 5								
	Stream Depth			lence	r	10	Moving Water		no		
	Notes		=				_				
OVERAL	L RATING										
	High Priority		_Medium Pr	riority			_Low Priority		X	•	





MAINLINE/SUBDIVISI		GE INSPECT	TION REPORT	STEEL STE	PUCTURE				
Spans:	1 1	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage		12'		
ENVIRONMENT	·	STRINGERS		D1. 0 (01.	B08 Sash		N/A		
E01 Scour	5	S01 Stringers		5	B09 Long		N/A		
E02 Channel	5	S02 Line Bolt		N/A		ong Brace	N/A		
E03 Approach	3	S03 Bearing		5	B11 Shim		N/A		
DECK	Ü	BENTS	w oup	Ü	MISC. OT		14// (		
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	5	M01	TIEIX			
D02 Ties Spacers	N/A	B02 East Bac		5	M02				
D03 Rail	3	B03 Caps	ntwan	5	M03				
D04 Ballast Floor	5	B04 Piles		N/A					
D05 Ballast Retainer	5	B05 Framed	Rents	N/A	INIO4				
D06 Footwalk	N/A	B06 Posts	Borno	N/A	Overall Rating: 5				
D07 Handrail	N/A	B07 Cross Br	aces	N/A					
					<u> </u>				
Deference			COMMENT						
Reference	No bendered	ithor cide		Remark					
Handrail	No handrail e		-f -htut-						
Abutment	Cracking on a	all top corners	of abutments						
		MAINTEN	NANCE RECOM	IMENDATION	S				
Priority				Description					
E03, B	Raise approa	ches on both e	ends						
D03	Replace rail v	vith heavier se	ction as tonnag	e dictates					
D04, B	Replace foule	ed ballast							
					T				
	CONDI	TION RATING	ì			PRIORITY			
1. Failed (may requ	uire bridge out o	A. Imm	ediately						
2. Deficient: OK for o	operations, but		in 1 year						
until repaired.			C. With	in 3 years					
3. Satisfactory but w				in 5 years					
4. Worker Safety: ite	ems such as ( h		E. Within 10 years						
5. Good with minor 6	exceptions				M. Monitor, Condition may change &				
6. New Bridge					- raise	e priority			
7. Not inspected: Re									
Inspecte	d By:	J	loseph Holste, l	PE	Da	ite Inspected:	12/12/201		



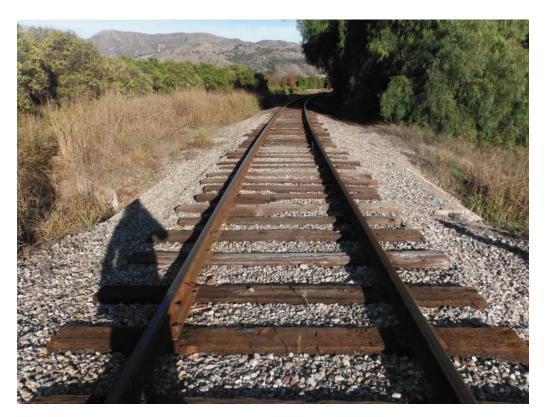


		BRID	GE INSPECTION	REPORT	CONCRETE ABUTMEN	Г
Span: 1	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89
ETAILS	- ABUT NUMBE	R: 1			Span Length:	12'
<u>/.</u>	CR		SL SL	IIII A		S T T T
Descriptio	on: (36) Rail Stri	ingers enca	sed in concrete	, concrete	e abutment #1	
Remarks:						
	or abutment crac					
	rust on rail top s					
	cence underside		- see photo			
	nt wall scaling - s					
5. SL - Se	ction loss at rail s	stringers 10,	11, 20, 21, and 2	23 - see pl	noto	
	cted By:		oseph Holste, PE		Date Inspected:	12/12/20 ⁻





MAINLINE	E/SUBDIVISIO					
					T CONCRETE ABUTMENT	
Span:	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89
ETAILS	- ABUT NUM	BER: 2			Span Length:	
				፲	<u>I</u>	
			\$6385163855555 \$63851638555555	2603826039	\$6.28.36.28.66.28.66.28.66.28.66.28.	700
		1 200008	5-00 30-00 30-00	20000000000000000000000000000000000000	?\$0-57290-57290-57290-57290-57290	2023
	/	FRIL		IIIII	<u>I IIIIIIIIIIIIII</u>	iii.\
	<u> </u>					
	_: CR					CR A
		4 4		α · ` Δ · .		4 4 4
/	/. D D	· · · · · · · ·	Δ. Δ. Δ.	۸. ۵.		Α
_						•
) Na a a ri m ti	on: (26) Doil S	tuing and an a	and in concrete		a abutmant #2	
Remarks:		tringers enca	ased in concrete	e, concret	e abutment #2	
	or abutment c	racking soo r	hoto			
	ent wall scaling		noto			
z. Abulme	ent wall scaling	- see prioto				
Inspe	ected By:	Jo	oseph Holste, PE		Date Inspected:	12/12/201
	•		<u> </u>		•	



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	ISPECTIO	ON REP	ORT				
						IN	ISPECTION TYPE	≣:	Anr	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTION	N INFO	RMATION		
Milepost	423.28					Date	13-Dec-19	Time	9:15	5 AM	
Location	Santa Paula B	ranch Lir	ne			Inspect			oseph Hols	te, PE	
	Fillmore, CA				_				303-501-1		
Stream	x (Sespe o	reek)	Overpass		Other	·			Wilson &		
Train Ope	erating Speed:		-		 15 mph		, ,				
DECK	Type:	Open	Number of	Tks	1	Visual	Condition Rating		5		
	RAIL						Visual Condition F	Rating:	3		
		_		est approach		•		,			
	TIES		Timber				g: 5				
		Notes:						•			
	<b>BALLAST</b>		N/A	Ballast	Condition	n Ratino	<b>j</b> :				
		Notes:		, –				•			
	DECK PLANKS		N/A		Conditio	n Ratino	 g:	Notes:			
_	OTHER	Type:					j: 				
	<u>OTTILIX</u>	i ypo.				i i tatilig	j	•			
SUPERS	TRUCTURE										
	Visual Condition	on Rating	5								
	Type:	_	Number ba	rrels		R	ound or Rect		Size		
	,,		Approx Lng			-	Concrete		Steel		
		Bridge:		<b>9</b> ····		•	Timber		Concrete		
		Type:	Truss	211	1	Г	Deck Girder		Through		
		i ypo.	Trestle	211			Sook Girdor		Girder		
			Num Span	<u> </u>		1	Approx. S	nan I ei	•	211'	
		Notes:	Num Opan		ru Truss -			pan Lo	iguis	211	
		140103.		1111	14 11455	Duit 10	700		•		
SUBSTRI	UCTURE										
	Visual Condition	on Rating	J	5			_				
	Bent:			Туре			Notes				
	Abutment:		5	Type	sto	one	Notes				
	Wingwalls:			Туре			 Notes				
	Embank			Туре							
	Footing			Туре							
	Inaccessible a	reas:		•			_				
STREAM	CHANNEL										
	Visual Condition	on Rating	5								
	Stream Depth			ence	r	10	Moving Water		no		
	Notes		_								
OVERAL	L RATING										
	High Priority		Medium Pr	riority			_Low Priority		Х	ī	



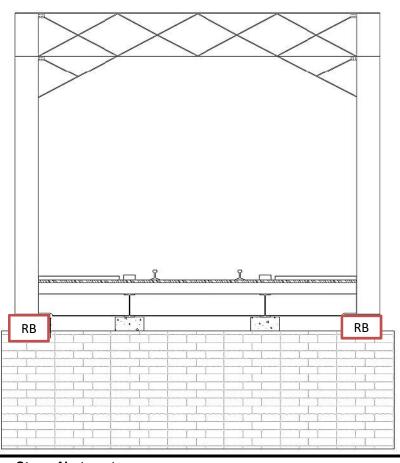


	BRID	GE INSPECT	ION REPORT -	STEEL STR	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	15'	Bridge No.	423.28
No. of Tks:	1	Deck Type:	Open	Br. Over:	Sespe C	rk Overall Length:	200'
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late	ral Braces	5	A08		
E03 Approach	3	S03 Bottom L	ateral Braces	5	A09		
DECK		S04 Cross Br	aces	5	MISC. O	THER	
D01 Ties (OD only)	5	S05 Bearings	i	3	M01		
D02 Ties Spacers	5	<b>ABUTMENTS</b>	& PIERS		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 Wir	ngwalls	5	Ov	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		N/A			
			COMMENTS	 S	<del></del>		
Reference			<u> </u>	Remark			
Approach	East and wes	t approaches a	are low				
Handrail		e is loose on n					
Structure		ninor surface r					
Curb	_		and east side, n	orth east corn	er is wors	t - see photo	
	<u> </u>	MAINTEN	IANCE RECOM	MENDATION	<u>s</u>		
Priority	Description						
E03, B	Raise approa	ches					
D05, A	Repair handra	ail cable north	side				
S05, B/C, M	Clean bearing	s. Monitor co	ndition and raise	priority if nec	essary		
		need to be re					
A03, A	Remove bees	at abutment	1				
D03	Increase rail v	vith heavier se	ection as tonnage	e dictates			
	<u> </u>						
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ	ire bridge out c		A. Imr	nediately			
2. Deficient: OK for c		r all trains	+	hin 1 year			
until repaired.	. ,			hin 3 years			
Satisfactory but with	ith exceptions:	Slow order m	ay be required.			hin 5 years	
4. Worker Safety: ite	•					hin 10 years	
5. Good with minor e	,		,		1	nitor, Condition may	y change &
6. New Bridge	•					se priority	, 5
7. Not inspected: Re	eason stated						
Inspected	d By:	J	oseph Holste, P	E		ate Inspected:	12/13/2019





	BRIDGE INSPECTION REPORT STEEL STRUCTURE/STONE ABUTMENT										
Span:	Span: 1 Alignment: TANGENT Vert. Clear: 15' Bridge No. 423.28										
DETAIL	_S -	ABUTMENT	NUMBER: 1			Span Length:	200'				



### **Description: Steel Thru Truss, Stone Abutment**

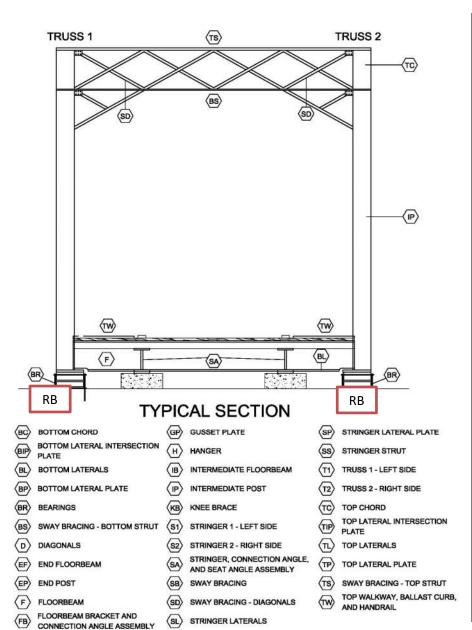
### Remarks:

- 1. Sign of minor impact lateral brace Bay #1
- 2. RB-Left and right side west end bearings rocked, anchor bolt racked see photo
- 3. Both bearings at the limit of expansion
- 4. Bee nest at north end of abutment cap
- 5. Map cracking on northside of backwall see photo
- 6. Bolt missing at bridge rollers at north west bearing, abutment 1 expanded see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019





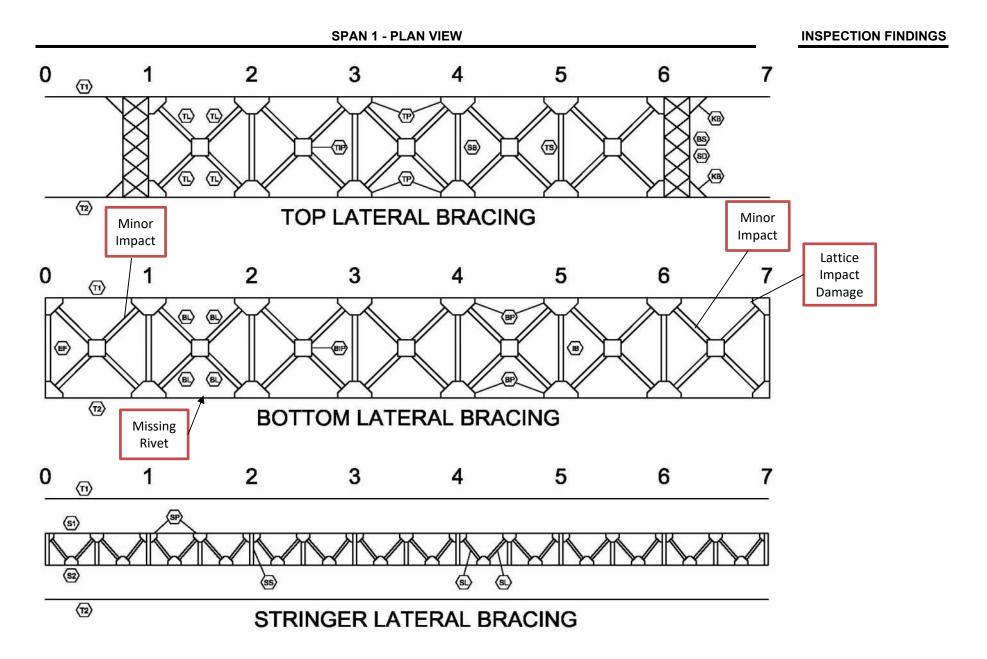


DIVISIO	N Vei	ntura	SPAN LENGTH	200'						
NUMBER O	F TRACKS	1	CROSSING	SESPE CREEK						
TRACK A	ALIGNMENT	TANGENT	SPAN No.	1						
INSPECTION	ON FINDINGS									
RB		West end	bearings are rocke	ed back						
		Pack	Pack rust at all connections							
	Bird nest at multiple locations at top chord connections									
	Missing rivet on south side, mid span, near bay two bottom chor See photo									
	Pack r	ust betwee	n angles of all lowe	er cross bracing						
			oracing at bay 7 no	orth side has impact see photo						
	Impa	ct to bottor	n lattice bay 1 and	7 - see photo						

Inspected by: Joseph Holste, PE Date: 12/13/2019 Bridge Number: 423.28







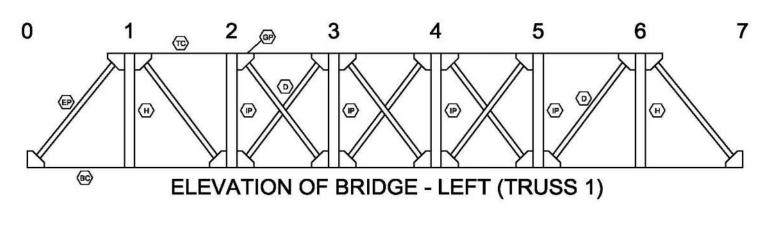
Inspected by: Joseph Holste, PE Date: 12/13/2019 Bridge Number: 423.28

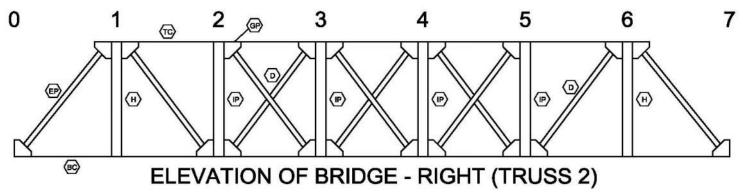






### **INSPECTION FINDINGS**



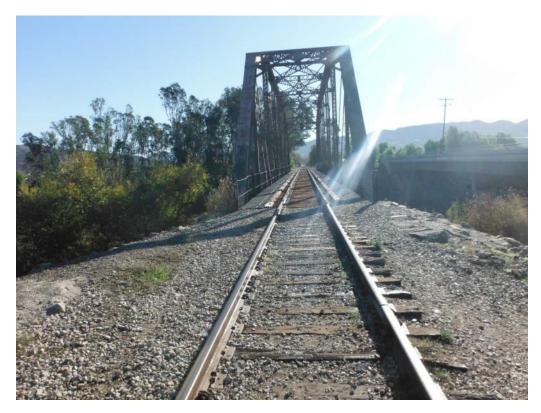


Inspected by: Joseph Holste, PE Date: 12/13/2019 Bridge Number: 423.28





•	BRIDGE INSP	ECTION REPOR	RT STEE		ITMENT
Alignment:	TANGENT	Vert. Clear:	15'	Bridge No.	423.28
- ABUTMENT	NUMBER: 2			Span Length:	
nı Ctaal Thru	. Truca Stana	Abutment #2	ii 72 iii 1		<del>-</del>
m: Steer inru	i Truss, Stone	Abutment #2			
SW anchor b	olt at north bea	ring - see photo			
	•				
cted By:	Jo	seph Holste, PE		Date Inspected:	12/13/2019
	on: Steel Thru SW anchor b	Alignment: TANGENT - ABUTMENT NUMBER: 2  on: Steel Thru Truss, Stone SW anchor bolt at north bea NW anchor at south bearing at north stringer is pushed ba	Alignment: TANGENT Vert. Clear:  - ABUTMENT NUMBER: 2  Den: Steel Thru Truss, Stone Abutment #2  SW anchor bolt at north bearing - see photo at north stringer is pushed back	Alignment: TANGENT Vert. Clear: 15' -ABUTMENT NUMBER: 2  Don: Steel Thru Truss, Stone Abutment #2  SW anchor bolt at north bearing - see photo  NW anchor at south bearing - see photo  at north stringer is pushed back	ABUTMENT NUMBER: 2   Span Length:  The span Length is span Length



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



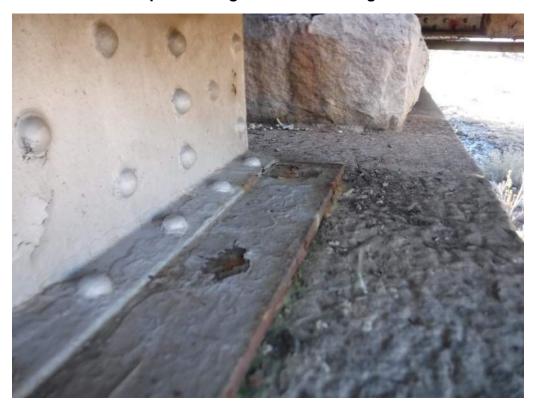
423.28 Missing rivet near Bay 2 bottom chord



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 II	NSPECTIO	N REPO	ORT				
						INS	SPECTION TYPE	Ξ:	Ann	nual	
	STR	UCTURE IN	IFORMATI	ON			INSPECTION	N INFO	RMATION		
Milepost	423.44					Date		Time	10:10	) AM	1
Location	Santa Paula I	Branch Line	=			Inspecto	or Name	-	oseph Holst		
	Fillmore, CA				_		ne Number		303-501-1		
Stream	X (Sespe Cre	ek overflow)	Overpass	;	Other	•			Wilson &		
	erating Speed:		10 mph		er: 15 mph		. ,				
DECK	Type:	Ballast	Number o			Visual C	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	•	isual Condition F	Rating:	3		
		Notes:	Low west	approach.	Slight horiz		isalignment acros				
	TIES	Type:	Timber		e Condition			,			
		Notes:	-	_		Ū		-			
	<b>BALLAST</b>	Depth:	12 in	Ballas	st Condition	n Rating:	: 3				
		Notes:	Low balla	st across b		J		•			
<u></u>	DECK PLANKS	Туре:	N/A		Conditio	n Rating:		Notes:			
	OTHER	Type:						•			
								•			
SUPERS	TRUCTURE										
	Visual Condit	ion Rating	5								
	Type:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
	• •		Approx Li	ngth.			Concrete		Steel		
		Bridge:	Steel	J		•	Timber		Concrete	450'	
		Type:	Truss			D	eck Girder		Through		
		<b>31</b>	Trestle			•			Girder		
			Num Spa	ns	1	5	Approx. S	pan Le	· -	30'	
		Notes:			double bo	x girder	- built 1969				_
SUBSTR	UCTURE	. 5		_							
	Visual Condit	•		5			-		01 1 11		
	Bent:		5	Type 		crete	_ Notes		Steel pile		•
	Abutment:	-	5	Type	Con	crete			Steel pile		•
	Wingwalls:			Type							i
	Embank			Type			Notes				i
	Footing			Type			_ Notes				•
	Inaccessible	areas:									•
077544											
SIREAM	I CHANNEL Visual Condit	ion Poting	5								
	Stream Depth			idence	V	es	_Moving Water		Ves		
	Notes	Local scou				-	_ moving viaco.		you		r.
OVERAL	L RATING High Priority		Medium E	Priority			Low Priority		Х		
i	riight Honly		_ Wicalaili F	попц			_ LOW I HOHEY		^		
1											





1117 111 1211 127 0 0 0 0 0 1 1 1 0	RPIDG	E INSDECTIO	N REPORT	CONCRETE	TDUCTU	DE		
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	Dallast	Di. Ovei.	A06 Pier	<u> </u>	5	
E01 Scour	3	S01 Girder		5	A00 Piles		5	
E02 Channel	5	S01 Girder S02 Bearings		5	A07 Piles	<b>)</b>	5	
E03 Approach	3	ABUTMENTS		5	A08 A09			
DECK	3	A01 East Abu		5	MISC. O	TUED		
D01 Rail	3	A01 East Abt		3	M01	INEK		
D01 Kaii D02 Footwalk	5			5	M02			
D03 Handrail	5			5	M03			
D03 Haridian	3	A04 West Will A05 Pier Cap	-	5	M04			
D05		Aus Pier Cap		5	10104			
D03	1				Ove	erall Rating:	5	
			COMMENT	s				
Reference				Remark				
Utility		_	8" steel wrappe					
Utility				an #11 (comes	back with	in 50' at west end)		
Abutment Joint	Ballast leakin	g at west abut	ment joint					
		MAINTEN	NANCE RECON	MENDATION	S			
Priority				Description				
В	Add ballast -	ballast 3" bello	w top of tie	•				
E03, B	Raise west a		•					
E02, B		ris from bents						
E01, A02, B/C		otection at Abu	ıtment 1					
,, 5/0	i i i i i i i i i i i i i i i i i i i							
	CONDI	TION RATING	i			PRIORITY		
1. Failed ( may red					A. Imm	nediately		
<ol> <li>Failed (may require bridge out of service)</li> <li>Deficient: OK for operations, but requires Flagman/Inspector for all trains</li> </ol>						nin 1 year		
until repaired.						nin 3 years		
Satisfactory but with exceptions: Slow order may be required.					1	•		
						,		
4. Worker Safety: items such as ( handrail, footwalk, etc.)					E. Within 10 years  M. Monitor, Condition may change &			
5. Good with minor exceptions							y cnange &	
6. New Bridge	Dogger of ct - d				- rais	se priority		
7. Not inspected: F			lanamia III-li ( - 2	DE	_	ata luart. I	40/40/0046	
Inspect	ea By:	By: Joseph Holste, PE				ate Inspected:	12/13/2019	



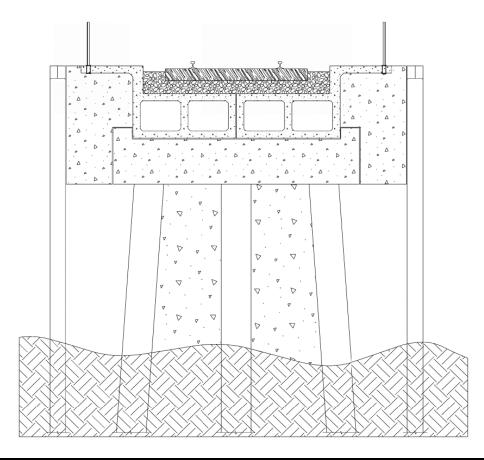


12/13/2019

### MAINLINE/SUBDIVISION: VCTC

Inspected By:

BRIDGE INSPECTION REPORT CONCRETE STRUCTURE/CONCRETE ABUTMENT						
Span:	Span: 1 Alignment: TANGENT Vert. Clear: 14' Bridge No. 423.44					
DETAILS - ABUT NUMBER: 1 Span Length: 29'-10"						



# Description: Looking East (2) 80"x30" Concrete box, concrete abutment with steel piles Remarks: 1. Moderate abutment scour - 7' pile exposed - southwest wingwall more exposed - see photo 2. Tree under abutment - see photo 3. Span 1 Impact Damage - see photo 4. Deep erosion from heavy water on north slope - see photo

Date Inspected:

Joseph Holste, PE





12/13/2019

MAINLINE/SUBDIVISION: VCTC BRID	GE INSPECTION	REPORT	· CONCRETE STRUC	TURE	
Span: 2 Alignment: TANGENT	Vert. Clear:		Bridge No.	10112	423.44
DETAILS - PIER NUMBER: 2			Span Length:		29'-10"
			SP S	SP.	
Description: Looking East (2) 80"x	30" Concrete box	. concrete l	pent cap with steel pi	iles	
Remarks:		,	, , , , , , , , , , , , , , , , , , ,		
1. 2' scour under cap - see photo					
2. SP - Keeper spall on south side - s	ee photo				
3. SP - Walkway spall - see photo	•				
, , ,					

Date Inspected:

Joseph Holste, PE

Inspected By:



Inspected By:

Joseph Holste, PE



12/13/2019

an: 3 Alignment: TANGENT TAILS - PIER NUMBER: 3	Vert. Clear:	14'	Duides No	
TAILS - PIER NUMBER: 3		17	Bridge No.	423.44
			Span Length:	29'-10"
HR scription: Looking East (2) 80"	30" Concrete box	, concrete	e bent cap with steel piles	
marks:				
3' of scour below concrete infill bet	ween piles			
Span 3 curb spall on topside				
Walkway spall near pier 3 at handı				
HR - Handrail embed failed on top	side. Post now held	with thru b	polts - see photo	

Date Inspected:





ВІ	RIDGE INSPECTION	REPORT CONCRETE STRUCTURE	
Span: 4 Alignment: TANGE	NT Vert. Clear:	14' Bridge No.	423.44
DETAILS - PIER NUMBER: 4		Span Length:	29'-10"
HR			
Remarks:		k, concrete bent cap with steel piles	
Handrail embed has failed. Post	s now held with thru h	bolts on Span #4.	
2. 1' scour under cap		1 "	
3. Deb - Debris on pier upstream s	ide		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019





			CONCRETE STRUCTURE	1
pan: 5 Alignment: TANGENT	Vert. Clear:	14'	Bridge No.	423.44
ETAILS - PIER NUMBER: 5			Span Length:	29'-10"
SP				

	^ ^ ^ ^ ^ ^ ^ ^	, , , , , , , , , , , , , , , , , , ,	
Description: Looking Eas	t (2) 80"x30" Concrete box, concret	e bent cap with steel piles	
Remarks:			
1. SP - Minor spall on bottor	n corner of pier cap - see photo		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019





BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	6 Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44	
DETAILS	S - PIER NUMB	ER: 6			Span Length:	29'-10"	
		SP					
Descript	tion: Looking l	East (2) 80"x3	0" Concrete bo	x, concre	te bent cap with steel piles		
Remarks	s:						
	Minor cap spalls		ers. See photo				
2. Minor	curb spall near	pier					
						_	
	pected By:	lo	seph Holste, PE		Date Inspected:	12/13/20	



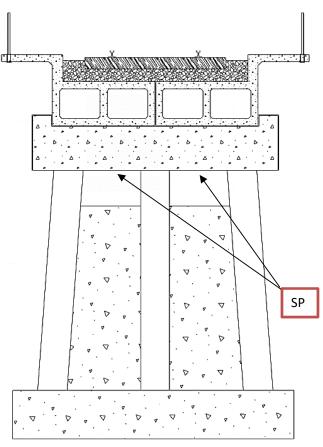


12/13/2019

MAINLINE/SUBDIVISION: VCTC

Inspected By:

BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	7 Alignmer	nt: TANGENT	Vert. Clear:	14'	Bridge No.	423.44	
DETAIL	LS - PIER NU	IBER: 7			Span Length:	29'-10"	



Description: Looking East (2) 80"x30" Concrete box, concrete bent cap with steel piles	
Remarks:	
. SP - Small spalls on the underside of the cap along the edge of the embed plate - see photo	
. Curb spall near pier - see photo	
3. Trees under span on south side - see photo	

Date Inspected:

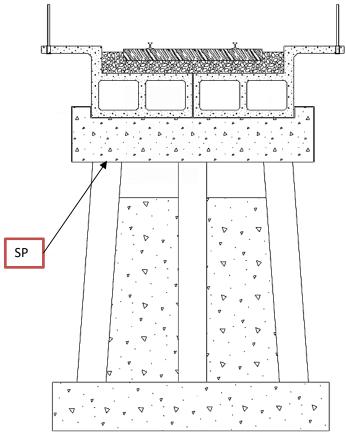
Joseph Holste, PE





12/13/2019

BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	8	Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUMBER: 8						Span Length:	29'-10"



Description: Looking East (2) 80"x30" Concrete box, concrete bent cap with steel piles							
Remarks:							
1. SP - Small spalls on the underside of the cap along the edge of the embed plate							
2. Trees on south side under bridge and by pier							

Date Inspected:

Joseph Holste, PE

Inspected By:





		TION REPORT CONCR		
	ANGENT Vert. Clea			423.44
TAILS - PIER NUMBER	: 9	Span Ler	ngth:	29'-10"
	SP DEB		SP SP	
	t (2) 80"x30" Concret	e box, concrete bent cap	with steel piles	
emarks:	malamaid £41.	anandha adar - Ed	l mlata	
SP - Small spalls on the on Debris built up on northsi		ong the edge of the embed	ı pıate	
Denie naur ah ou uorusi	ue piei			





MAINLINE/SUBDIVISION	: VCTC			
<u> </u>	BRIDO	E INSPECTION REPO	RT CONCRETE STRUCTURE	-
Span: 10 Alignment:	TANGENT	Vert. Clear: 14'	Bridge No.	423.44
DETAILS - PIER NUMBE	R: 10		Span Length:	29'-10"
	DEB			
	ast (2) 80"X3	u" Concrete box, cond	rete bent cap with steel piles	
Remarks:  . Hole in ballast at pier				
2. Debris built up on north	side nier			
3. Scour holes under spar				
2004. Holoo andor opar				
				·
		=		<u> </u>
Inspected By:	Jo	seph Holste, PE	Date Inspected:	12/13/201





BRIE	GE INSPECTION	REPORT CONCRETE STRUCTURE	
Span: 11 Alignment: TANGENT	Vert. Clear:	14' Bridge No.	423.44
DETAILS - PIER NUMBER: 11		Span Length:	29'-10"
Deb			
	30" Concrete bo	x, concrete bent cap with steel piles	
Remarks:			
1. Minor spall midspan of girder 2 spa		de - see photo	
2. Deb - Debris built up on northside	pier		
3. 2' scour on northside of pier			
			-
Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019



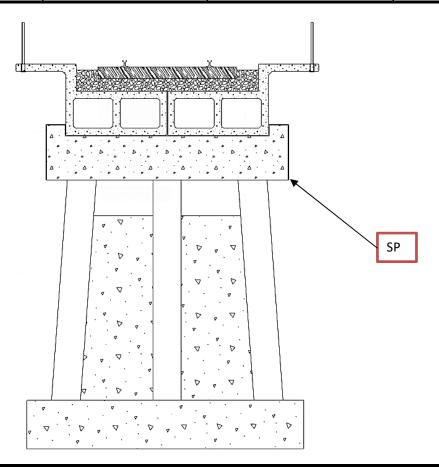


	BRIDO	SE INSPECTION	N REPORT	- CONCRETE STRUCTURE	
Span: 12 Alignment: TA	NGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUMBER:	12			Span Length:	29'-10"
	Deb				
Description: Looking East	(2) 80°X3	U" Concrete bo	x, concrete	bent cap with steel piles	
Remarks:	!!: 0!	daan kala Ci	4		
1. 3' of scour below concrete	collar. 3'	ueep noie 5' eas	l		
2. Deb - Debris upstream					
Inspected By:	l-	seenh Holata DE		Data Increated:	10/10/1004
Inspected By:	JC	seph Holste, PE		Date Inspected:	12/13/2019





BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	13	Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUMBER: 13					Span Length:	29'-10"	



#### Description: Looking East (2) 80"x30" Concrete box, concrete bent cap with steel piles

#### Remarks:

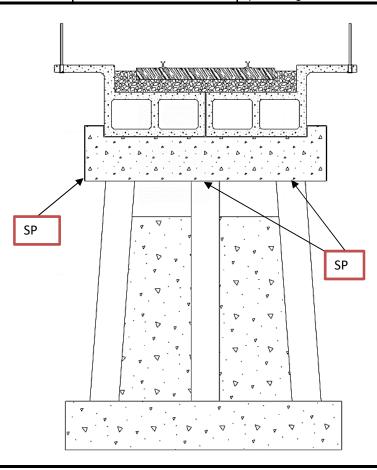
- 1. Minor spall on SE corner of pier cap
- 2. Drift debris at upstream end
- 3. Span 13 has curb spall
- 4. Minor beam spall on girder 2, southside near pier 14 see photo

			_
Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/





BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	14 Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44	
DETAILS - PIER NUMBER: 14					Span Length:	29'-10"	



#### Description: Looking East (2) 80"x30" Concrete box, concrete bent cap with steel piles

#### Remarks:

- 1. SP Spall along underside of cap with exposed rebar east side
- 2. SP Spall along underside of cap with exposed rebar west side
- 3. Missing bike path clearance sign on north side
- 4. SP Spall NW bottom corner of cap
- 5. SP Minor beam spall southside along span

		<u> </u>	·
Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019



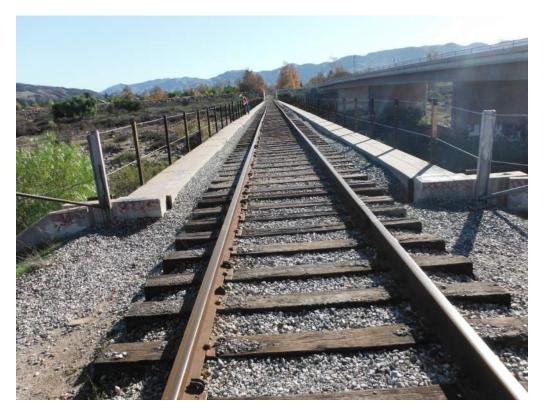


BRIDO	E INSPECTION	REPORT CONCRETE STRUCTURE	
Span: 15 Alignment: TANGENT	Vert. Clear:	14' Bridge No.	423.44
DETAILS - PIER NUMBER: 15		Span Length:	29'-10"
SP		SP	
Description: Looking East (2) 80"x3 Remarks:	Concrete box	x, concrete bent cap with steer piles	
	th oversed toba-	r west side less shots	
1. SP - Spall along underside of cap wi	ııı exposed rebai	ı - west side - see photo	
2. SP - Spall on NE corner of pier cap			
Inspected By: Jo	seph Holste, PE	Date Inspected:	12/13/2019

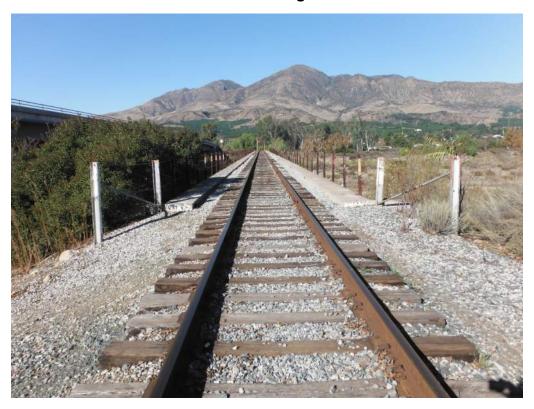




BRID	GE INSI	PECT	ION REPORT	CONCRET	E STRUCTURE/CONCRETE A	BUTMENT
Alignment:	TANG	ENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - ABUT NUME	3ER: 1	6			Span Length:	
DETAILS - ABUT NUME	DER: 1				Span Lengin.	
Description: Looking E	East (2)	80"x3	30" Concrete box	κ, concrete	abutment with steel piles	
Remarks:	` ` `				·	
1. Ballast leaking on bea	ring sea	ts - se	ee photo			
	J 5					
Inspected By:		.lc	oseph Holste, PE		Date Inspected:	12/13/20



423.44 Looking East



423.44 Looking West



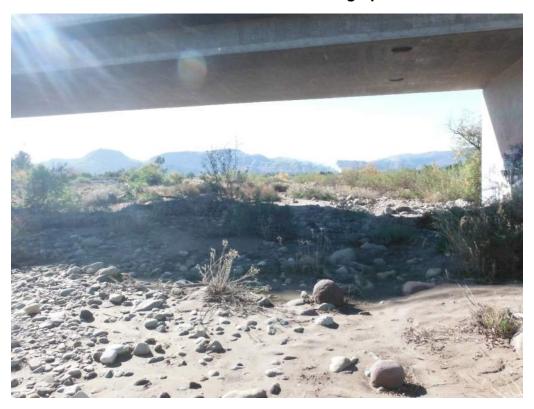
423.44 Looking Northeast



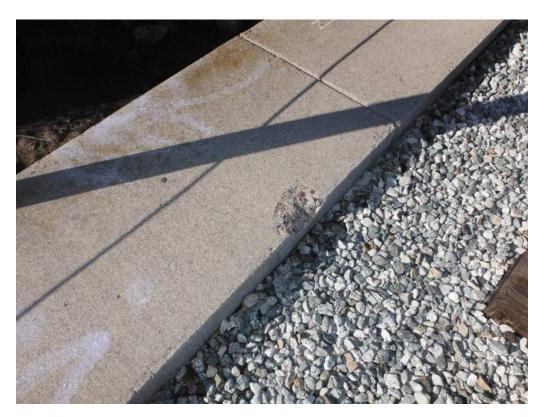
423.44 Looking Northwest



423.44 Channel condition looking upstream



423.44 Channel condition looking downstream



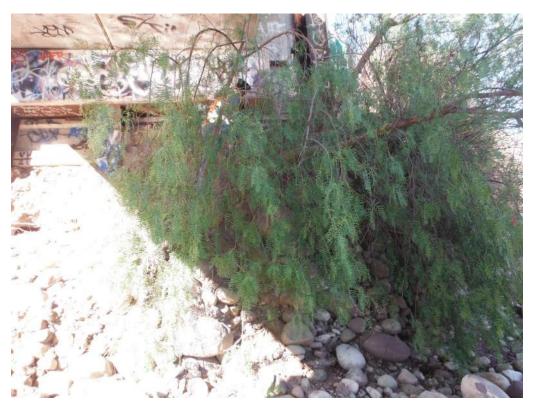
423.44 Walkway Spall on Span 2 and multiple locations



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 TYP	E:	Ann	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	425.15		-			Date	13-Dec-19		10:50	) AM	•
Location	Santa Paula Br	ranch Line	_				or Name		loseph Hols		•
	Fillmore, CA				_		one Number		303-501-1		•
Stream	X (Pole C	reek)	Overpass		- Other	. 5.5		, —	Wilson &		•
	erating Speed:	Freight:					Company		77110011 0	Company	
DECK	Type:		Number of			Visual (	Condition Rating		5		
	RAIL	Weight:	80#		Jointed		/isual Condition l	Rating:			
	<u></u>	Notes:		, p = .				9.			_
	<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	t Condition	n Rating	: 7	_			•
		Notes:	Not inspec	cted, covere	ed with cro	ssing pa	anels				_
	DECK PLANKS	Type:		_	Condition	n Rating	:	Notes:			_
	<u>OTHER</u>	Type:			_Conditior	n Rating	:	_			
GIIDEDG.	TRUCTURE										
SUPERS	Visual Conditio	n Pating	5								
	Type:	Culvert:		_ arrele		Ro	ound or Rect		Size		
	Type.	Cuiveit.	Approx Ln		-	•	Concrete		Steel		•
		Bridge:	Steel	igui.	-	•	Timber		Concrete	60'	•
		Type:	Truss				eck Girder		Through	00	•
		туре.	Trestle				Jeck Girder		Girder		
			Num Spar		-	2	Approx. S	nan I e		30'	•
		Notes:	rtain opai					pan Lo	- Inguis	- 00	•
									•		•
SUBSTR	<b>UCTURE</b> Visual Conditio	n Doting		5							
	Bent:	in Raung	<u></u>	5 Tuno	Con	crete	_ Notes				
	Abutment:		5	_Type Type		crete					•
	Wingwalls:		5	_туре Туре		crete					
	Embank		3	_Type Type		crete					
	Footing			_ Type Type	- 0011	oroto	_ Notes				
	Inaccessible ar	eas.		_ ' ' ' ' ' '			_				•
	maccocibio di	ouo.									•
STREAM	CHANNEL										
	Visual Conditio	_	5	<del>.</del>							
	Stream Depth Notes	-	_Scour Evi	dence			_Moving Water				•
	Notes										•
											•
OVERAL	L RATING		Modius D	triorit:			Low Driest		V		
	High Priority		_Medium P	попц			_Low Priority		X		





	BRIDG	E INSPECTIO	N REPORT	CONCRETES	STRUCTUR	RE					
Spans:	2	Alignment:	Tangent	Vert. Clear:	10'	Bridge No.	425.15				
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Pole Crk	Overall Length:	60'				
ENVIRONMENT		GIRDERS			A06 Pier Shaft		5				
E01 Scour	5	S01 Girder		5	A07 Piles		N/A				
E02 Channel	5	S02 Bearings	3	5	A08						
E03 Approach		ABUTMENTS & PIERS			A09						
DECK		A01 East Abutment		5	MISC. OT	HER					
D01 Rail	5	A02 East Wingwalls		5	M01						
D02 Footwalk	5	A03 West Abutment		5	M02						
D03 Handrail	4	A04 West Wi	ngwalls	5	M03						
D04		A05 Pier Cap		5	M04						
D05					1		_				
					Ove	rall Rating:	5				
			COMMEN	TS							
Reference				Remark		-					
Handrail					ble broken	at southwest corn	er. See photo				
Structure	Crossing pan	els on bridge,	tie condition is	unknown							
Structure	Spall with exp	oosed rebar or	north side of S	Span 2							
		MAINTEN	NANCE RECO	MMENDATION	ıç						
Dui - vit-		WAINTE	VANCE RECO								
Priority	Deneinless	la a sa al a a la la a		Description							
D03, A	Repair loose	handrail cable									
	CONDI	TION RATING				PRIORITY					
1. Failed (may re	equire bridge out	of service)			A. Imm	ediately					
	or operations, but		man/Inspector f	or all trains		in 1 year					
until repaired.	,,	,9.				in 3 years					
	t with exceptions:	Slow order m	ay be required			in 5 years					
	items such as ( h					in 10 years					
<ol> <li>Good with mind</li> </ol>			,,		1	itor, Condition ma	v change 8				
6. New Bridge	. элоорионо					ntor, Condition ma e priority	y Grange &				
7. Not inspected:	Reason stated				- 1aist	o priority					
	cted By:	1	Joseph Holste F	DE	Do	ate Inspected:	12/13/201				
mspec	neu by.		rosehii Hoisig I	L	l Da	ne mopecieu.	12/13/2013				



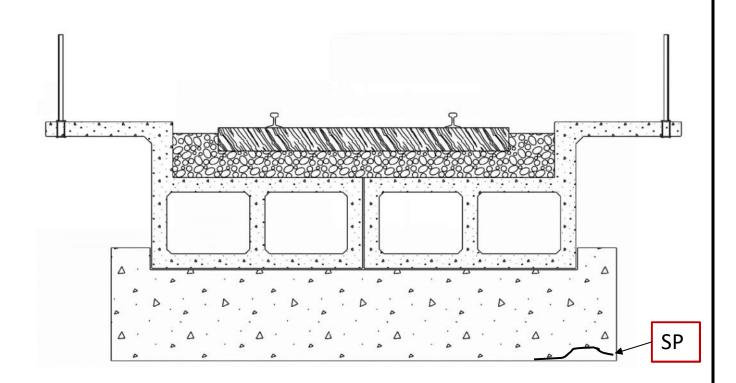


		BRIDG	E INSPECTION REPO	RT CONCRETE ABUTMENT	
Span: 1	Alignment:	TANGENT	Vert. Clear: Varie		425.15
		NUMBER: 1		Span Length:	30'
Remarks:	n: Looking E buried on nor		oncrete box, concrete	abutment with steel piles	
lana	cted By:	lo	seph Holste PE	Date Inspected:	12/13/20





	BRIDGE INSPECTION REPORT CONCRETE PIER								
Span:	Span: 2 Alignment: TANGENT Vert. Clear: Varies Bridge No. 425.15								
DETAI	LS - PIER NUMB	ER: 2			Span Length:	30'			



#### Description: Looking East, 80"x30" Concrete box, concrete pier

#### Remarks:

- 1. Northeast walkway spall and rebar showing see photo
- 2. Joint between Span #1 and Span #2, left side tight at top see photo
- 3. SP: Spall on southwest corner pier 2 see photo
- 4. North side, Span 2, Girder 1, east end girder is showing spalling and deterioration, exposed rebar see photo
- 5. Spall at midspan of north girder on north side see photo
- 6. Vegetation growing in drain holes, tree in superstructure see photo

Inspected By:	Joseph Holste PE	Date Inspected:	12/13/2019





		BRIDG	E INSPECTIO	N REPORT -	CONCRETE ABUTMEI	NT	
Span:	Alignment:		Vert. Clear:	Varies	Bridge No.		425.15
DETAILS	- ABUTMENT	NUMBER: 3			Span Length:		
		SP			SP		
		East, Concrete a	abutment with	steel piles			
Remarks:							
	utment cap sp		1.0				
2. SP - So	utneast keepe	er spall at Abutm	ent 3				
Inspe	cted By:	Jos	seph Holste PE		Date Inspected:		12/13/201



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 INSPECTION REPORT										
						INS	SPECTION TYPE	Ξ:	Anı	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTION	N INFC	RMATION		
Milepost	427.64					Date	13-Dec-19			) AM	
Location	Santa Paula Br	anch Line	=				or Name	-	oseph Hols		
	Fillmore, CA				<del></del>		ne Number		303-501-1		
Stream			Overpass		Other		Company				
Train Ope	erating Speed:	Freight:		Passenge	er: 15 mph		-				
DECK	Туре:	Open	Number o	f Tks	1	Visual C	Condition Rating		3		
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition F	Rating:	3	•	
		Notes:	East and	– west appro	aches are	low				•	
	<u>TIES</u>	Type:	Timber	Ti	e Condition	n Rating:	3				
		Notes:									
	<b>BALLAST</b>	Depth:		Ballas	st Condition	n Rating:		-			
		Notes:									
	DECK PLANKS	Type:		_	Condition	n Rating:		Notes			
	<u>OTHER</u>	Type:			Condition	n Rating:		-			
SUPERS	TRUCTURE										
oo. Eno	Visual Conditio	n Rating	5								
	Type:	_	Number b	– arrels		Ro	und or Rect		Size		
	. , , ,	<b>3 7</b> 3	Approx Lr				Concrete		Steel		
		Bridge:	Steel	•	5'	•	Timber		Concrete		
		Type:	Truss			•	eck Girder		Through		
		. 71	Trestle			. –			Girder		
			Num Spai	ns		1	Approx. S	pan Le	_	13'-6"	
		Notes:			eck steel s	tringer - I	Built 1960				
SUBSTRI	LICTURE										
30631K	Visual Conditio	n Rating		3							
	Bent:			_Туре			- Notes				
	Abutment:		3	Type	Tin	nber	_		Abut #1 8	. #2	
	Wingwalls:		3	Type		nber	- Notes			1	
	Embank			Type			- Notes				
	Footing			Type			- Notes				
	Inaccessible ar	eas:									
STREAM	CHANNEL	D ('	0								
	Visual Conditio Stream Depth	n Rating	Scour Evi	donco			Moving Water				
	Notes	Clear cha	annel of ve				_ IVIOVITIG VValer				
OVEDAL	LDATING										
OVERALI	L RATING High Priority		Medium F	Priority	,	X	Low Priority				
	J,		•	,			_ ·-,				





WAINEINE/OODDIVIO		OF INODEOT	ION DEBORE	TIMBED OF	DUIGTUBE		
0	BRID		ION REPORT	•		7	407.04
Spans:	1	Alignment:	Curve	Vert. Clear:	6' +/-	Bridge No.	427.64
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:		Overall Length:	15'
ENVIRONMENT		STRINGERS		_	B08 Sash		N/A
E01 Scour	5	S01 Stringers		3	B09 Long		N/A
E02 Channel	3	S02 Line Bolt		5	B10 Cap Long Brace		N/A
E03 Approach	3	S03 Bearing (	<u>@</u> Сар	5	B11 Shim		N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	3	B01 West Ab		3	M01		
D02 Ties Spacers	N/A	B02 East Abu	ıtment	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	Ove	rall Rating:	3
D07 Handrail	N/A	B07 Cross Br	aces	N/A			
			COMMENT	<u></u> S			
Reference				Remark			
Rail	Missing .l-holf	on right side .	- covered in deb		uld not ver	ifv	
Headwall			s of deterioratio		ala flot voi	ii y	
Channel		Ited in, not visi					
Chaine	Completely si	ited III, HOT VISI	ible				
		MAINTEN	IANCE RECOM	MENDATION	S		
Priority				Description			
A	Clear vegetat	ion on north ar	nd south side of	bridge			
E02, A	Clear channe						
E03, B		ches both end	S				
D01, B	Replace ties						
D03	•	s tonnage dict	tates				
B01, B02, B	Repair backw						
S01, A	-	from stringers					
501, A	Olcan debils	Tom sumgers					
	1						
	CONDI	TION RATING	i		<u></u>	PRIORITY	
1. Failed (may requ					A. Imm	ediately	
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector fo	r all trains		in 1 year	
until repaired.						in 3 years	
<ol><li>Satisfactory but w</li></ol>						in 5 years	
4. Worker Safety: ite	ems such as ( h	andrail, footwa	alk, etc.)		E. With	in 10 years	
5. Good with minor of	exceptions				M. Mor	itor, Condition ma	y change &
6. New Bridge						e priority	
7. Not inspected: R	eason stated					•	
Inspecte	d By:	J	oseph Holste, F	Έ	Da	ate Inspected:	12/13/2019
•					•	•	





12/13/2019

TAILS - ABUT NUMBER: 1 Span Length: 13'-6  PU PU Spt Spt	pan: 1 Alignment: CURVE Vert. Clear:  ETAILS - ABUT NUMBER: 1	Span Length:	<b>427.6</b> 4 13'-6"
TAILS - ABUT NUMBER: 1 Span Length: 13-6  PILE 4 PILE 3 PILE 2 PILE 1  Scription: Looking West - (8) Steel Stringers, Abutment #1 is timber marks: Could not inspect, completely silted in Debris between and covering stringers - see photo 3ackwall rotting. Top timber of backwall falling - see photo 3ackwall rotting. Top timber of backwall falling - see photo 34V: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)		Span Length:	13'-6"
PILE 4 PILE 3 PILE 2 PILE 1  Scription: Looking West - (8) Steel Stringers, Abutment #1 is timber marks: Could not inspect, completely silted in Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)			
PILE 4 PILE 3 PILE 2 PILE 1  Scription: Looking West - (8) Steel Stringers, Abutment #1 is timber marks: Could not inspect, completely silted in Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)			
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Scription: Looking West - (8) Steel Stringers, Abutment #1 is timber  marks:  Could not inspect, completely silted in  Debris between and covering stringers - see photo  Backwall rotting. Top timber of backwall failing - see photo  HW: Pile #1 is hollow at top (2018 Notes)  PU: Piles #2, #3, and #4 are punky (2018 Notes)			
Could not inspect, completely silted in Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)	PILE 4 PILE 3	PILE 2 PILE 1	
Could not inspect, completely silted in Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)			
Could not inspect, completely silted in Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)	escription: Looking West - (8) Steel Stringers, Abutr	ment #1 is timber	
Debris between and covering stringers - see photo Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)	emarks:		
Backwall rotting. Top timber of backwall failing - see photo HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)	Could not inspect, completely silted in		
HW: Pile #1 is hollow at top (2018 Notes) PU: Piles #2, #3, and #4 are punky (2018 Notes)			
PU: Piles #2, #3, and #4 are punky (2018 Notes)		noto	
spt. File #1 and #2 split (2016 Notes)			-
	59.1.10 // 1 GHG // 50 PHL (2010 140100)		

Date Inspected:

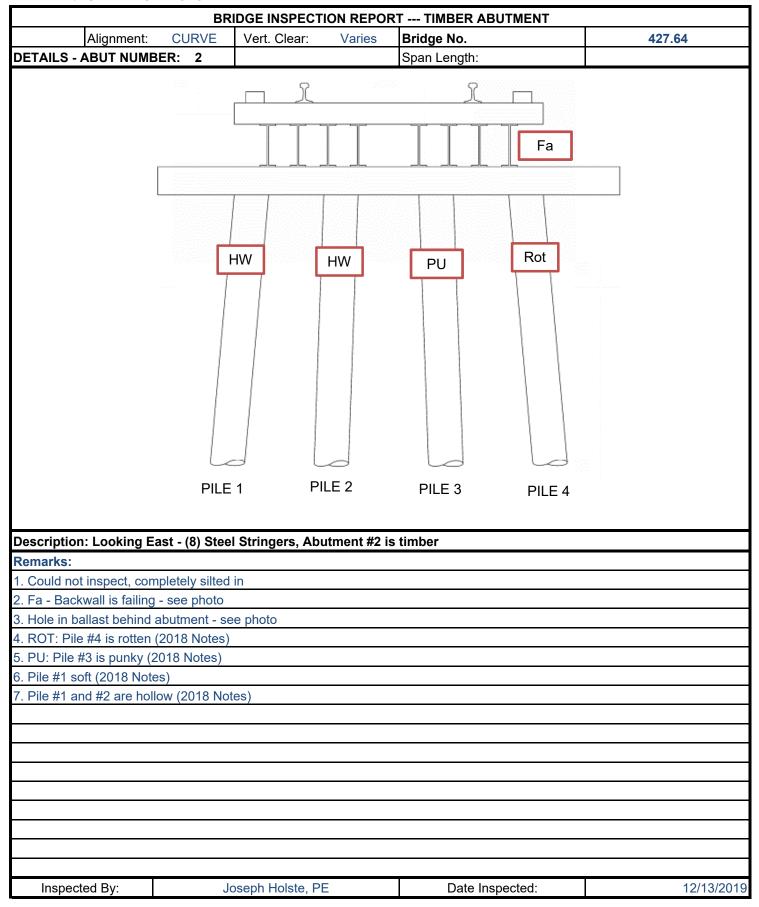
Joseph Holste, PE

Inspected By:





#### MAINLINE/SUBDIVISION: VCTC





427.64 Looking East



427.64 Looking West



427.64 Looking North



427.64 Looking South



427.64 Downstream channel condition



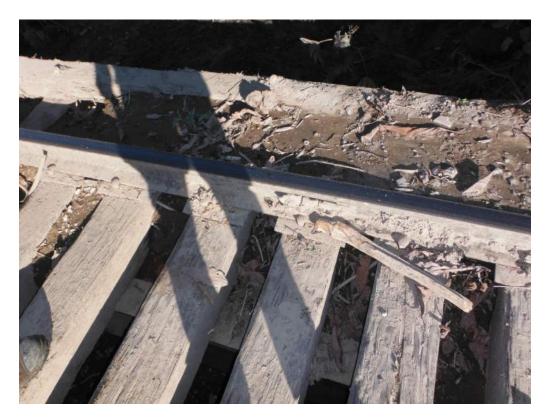
427.64 Upstream channel condition



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	ISPECTION	ON REPO	ORT				
						INS	SPECTION TYP	E:	Α	nnual	J
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATIO	N	
Milepost	429.79					Date	13-Dec-19	Time	8:0	00 AM	-
Location	Santa Paula Br	ranch Line	_			Inspecto	or Name		oseph Ho	lste, PE	_
	Piru, CA				<del>_</del>	Telepho	ne Number		303-501	-1215	_
Stream	X - Hopper	Creek	Overpass		Other	X	_ Compan	y <u>\</u>	/ilson & C	ompany	_ _
Train Ope	erating Speed:	Freight:	10 mph	Passenge	r: 15 mph						
DECK	Type:	Open	Number o	f Tks	1	Visual C	Condition Rating		5		
	<u>RAIL</u>	Weight:	80#	Type:	Jointed	V	isual Condition	Rating:	5	_	
		Notes:	Low appro	oaches east	t and west						_
	<u>TIES</u>	Type:	Timber	_ Tie	e Condition	n Rating:	5	_			
		Notes:									_
	<b>BALLAST</b>		Ballas	t Conditio	n Rating:		_				
										_	
	DECK PLANKS	Type:		_			:				_
	<u>OTHER</u>	Type:			_Conditio	n Rating:		_			
SUPERS'	TRUCTURE										
	Visual Conditio	n Rating	5								
	Type:	_	Number b	arrels		Ro	und or Rect		Size		
	· ·		Approx Lr	ngth.			Concrete		Steel		_
		Bridge:	Steel	18	34'	•	Timber		Concret	e	_
		Type:	Truss			D	eck Girder		Through	1	_
			Trestle			_			Girder		
			Num Spar	าร	,	4	Approx. S	Span Le	ngths	70', 82', 15	5', 17'
		Notes:	Open dec	k timber tre	stle east a	approach	and 2 TPG's-B	t. 1938			
				(Inspecti	on on Thr	u Plate G	Girder only)				
SUBSTR	UCTURE										
	Visual Conditio	n Rating		3			_				
	Bent:			_Type			_ Notes	s			_
	Abutment:			_Type			_ Notes	s			_
	Wingwalls:	-		_Type			_ Notes	s			_
	Embank	-		_Type			_ Notes	s			_
	Footing	-		_Type				s			_
	Inaccessible ar	eas:	Inspection	of TPG's o	nly; east t	imber tre	estle silted in				_
STREAM	CHANNEL										
	Visual Conditio	n Rating	5	_							
	Stream Depth	2'	Scour Evi	dence		0	_Moving Water		yes	5	_
	Notes										_
		-									_
OVERAL	L RATING										
	High Priority		_Medium F	riority			Low Priority		Χ		
									_		





#### MAINLINE/SUBDIVISION: VCTC

	BRID	GE 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		GIRDERS			A06 Pier Shaft		3
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late	ral Braces	5	A08	A08	
E03 Approach	3		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	& PIERS		M02		
D03 Rail	5	A01 East Abu	tment	3	M03		
D04 Footwalk	5	A02 East Wingwalls N/A			M04		
D05 Handrail	N/A	A03 West Abı	utment	3			
D06 Floor Beams	5	A04 West Wir		N/A	Ove	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap		5			
			COMMENTS	<u> </u>			
Reference				Remark			
Braces	North knee braces	; #4, #5, #6 & #7 ha	ave minor impact dam		race #2 with m	ninor impact damage sou	ıth - see photo
Walkway			ear pier #2 - see				·
		MAINTEN	ANCE RECOM	MENDATIONS	<u> </u>		
		WAINTEN	ANCE RECOIVI	VILIDATION			
Priority				Description			
A01, A03, A05, S05, B			r and bearings o	f silt and debr	is		
E03, B/C	Raise both ap	proaches					
	CONDIT	ION RATING				PRIORITY	
1. Failed (may require	e bridge out of	service)			A. Imm	ediately	
<ol> <li>Failed (may require bridge out of service)</li> <li>Deficient: OK for operations, but requires Flagman/Inspector for all trains</li> </ol>						in 1 year	
until repaired.	-,			in 3 years			
•	exceptions:		in 5 years				
<ol> <li>Satisfactory but with exceptions: Slow order may be required.</li> <li>Worker Safety: items such as ( handrail, footwalk, etc.)</li> </ol>						in 10 years	
<ol> <li>Good with minor ex</li> </ol>	,		, 5.0./			itor, Condition ma	v change &
6. New Bridge						e priority	y Grange &
7. Not inspected: Rea	son stated				Taist	o priority	
Inspected		ı	oseph Holste, P	F	Da	ate Inspected:	12/13/2019
mapecieu	<b>∪</b> y.	J	osepii i ioisie, F	_	טפ	ito mapeoteu.	12/13/2019

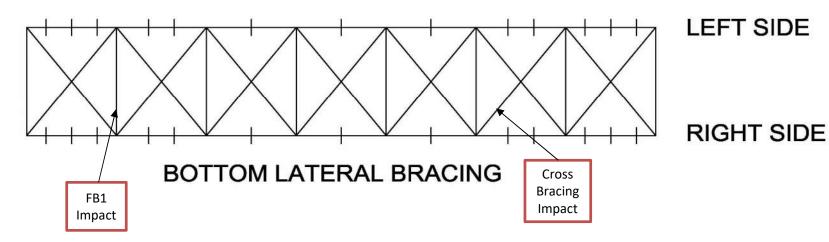


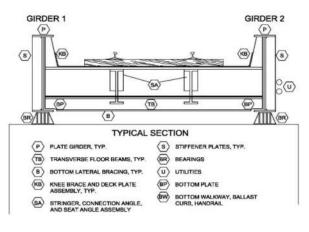


MAINLINE	/SUBDIVISION: VCTC			
	BRIDGE INSPE	CTION REPORT	STEEL STRUCTURE/CONCRETI	E ABUTMENT
Span: 1	Alignment: TANGENT	Vert. Clear:	Varies Bridge No.	429.79b
DETAILS -	- ABUTMENT NUMBER: 1		Span Length:	70'
		AB  SP  SP  A  A  A  A  A  A  A  A  A  A  A  A  A		Deb  Cr  A  A  A  A  A  A  A  A  A  A  A  A  A
	on: Thru plate girders, Abu	tment #1 is cond	crete	
Remarks:				
	utment has minor cracking all on abutment - see photo			
	amage due to high water de	bris - see photo		
	ose anchor bolt, stringer 1 a	•		
	ilt buildup on bottom flanges			
_				









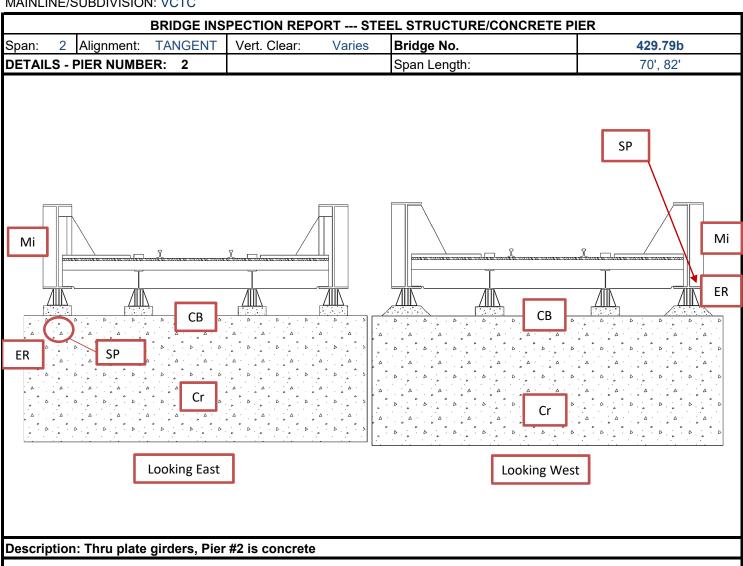
DIVISION	Santa Paula	SPAN LENGTH	70'-0"	NUMBER OF TRACKS 1				
CROSSING	Hopper	Creek	TRACK ALIGNM	IENT Tangent SPAN No. 1				
INSPECTIO	N FINDINGS							
		ALL BEARING	AREAS REQUIRE	E CLEANNING				
	North G1 stiffeners have minor impact							
	Impact damage to bottom flange floor beam 1 - see photo							
	Impact damage to bay 5 cross bracing							

Inspected by: Joseph Holste, PE Date: 12/13/2019 Bridge Number: 429.79b





#### MAINLINE/SUBDIVISION: VCTC



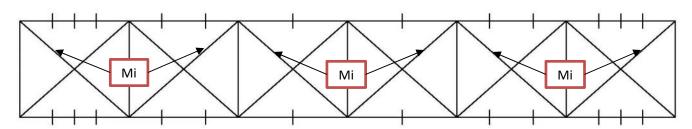
#### Remarks:

- 1. CB Between thru plate girder, seats are covered with silt from high water at stringers and floorbeam. Needs cleaning around bearings and seat
- 2. CB Some silting outside seat bearing pad
- 3. Mi: Minor impact damage to intermediate stiffeners on north side see photo
- 4. Cr: Pier #2 many horizontal and vertical cracks upstream side due to impact from rocks in stream (see photo)
- 5. ER: Pier has exposed rebar on top north end (see photo)
- 6. SP Span #2 bearing seat spall (see photo)
- 7. Span #2 floor beam #4 impact damage top flange
- 8. Sheared rivet GI mid span see photo
- 9. Stringers #1 and #2 has south loose anchor bolt. Pedestal is cracked
- 10. Multiple members have miss punched holes in flanges. See photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/13/2019



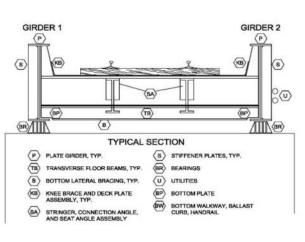




**LEFT SIDE** 

RIGHT SIDE

#### **BOTTOM LATERAL BRACING**



DIVISION	Santa Paula	SPAN LENGTH	82'-0"	NUMBER OF	TRACKS	1
CROSSING	Норре	r Creek	TRACK ALIGNM	ENT Tangent	SPAN No.	2
INSPECTIO	N FINDINGS					
Mi	Lov	ver cross bracing h	as minor impact th	roughout - see լ	ohoto	
		Impact dar	mage to bay 1 cros	ssbracing		

Inspected by: Joseph Holste, PE Date: 12/13/2019 Bridge Number: 429.79b





MAINLINE/SUBDIVISION: VCTC

					CONCRETE ABUTME	
Span:	Alignment:		Vert. Clear:	Varies	Bridge No.	429.79b
ETAILS -	- ABUTMENT	NUMBER: 3			Span Length:	82'
emarks:		#3 is concret				
. Covered	d in silt and un	able to inspect	(see photo)			





#### MAINLINE/SUBDIVISION: VCTC

	BRID	GE INSPECT	ON 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	n Brace	7		
E01 Scour	N/A	S01 Stringers		7	B09 Long	g Brace	7		
E02 Channel	N/A	S02 Line Bolt		7		Long Brace	7		
E03 Approach	3	S03 Bearing (	@ Сар	7	B11 Shin	าร	7		
DECK		BENTS			MISC. O	THER			
D01 Ties (OD only)	3	B01 West Bad	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	Ov	erall Rating:	7		
D07 Handrail	N/A	B07 Cross Br	aces	7					
			COMMENT	 S					
Reference				Remark					
	+								
		MAINTEN	IANCE RECOM	MENDATION	s				
	1	WAINT EN	ANGE REGOIN						
Priority				Description					
7	Unable to insp	pect both span	s of open deck	timber trestle l	because th	ney are completely	silted in		
	<u> </u>				T				
	CONDI	TION RATING				PRIORITY			
Failed ( may require bridge out of service )						nediately			
Deficient: OK for operations, but requires Flagman/Inspector for all trains						A. Immediately  B. Within 1 year			
until repaired.						nin 3 years			
Satisfactory but with exceptions: Slow order may be required.						nin 5 years			
4. Worker Safety: ite			· · · · · · · · · · · · · · · · · · ·			nin 10 years			
5. Good with minor e	,	,	. ,		+	nitor, Condition may	v change &		
6. New Bridge	1					e priority	, 3.1a.1g0 a		
7. Not inspected: Re	eason stated					, ,			
Inspecte		J	oseph Holste, P	E	D	ate Inspected:	12/13/2019		
523010	· <b>,</b> ·								



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