



				BRIDGE IN	NSPECTIO	ON REPO	ORT			
						INS	SPECTION TYPE	Ξ:	Anr	nual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	407.48					Date	8-Dec-20	Time	8:00	DAM
Location	Santa Paula Br	anch Line	_			Inspecto	or Name	J	oseph Hols	te, PE
	Saticoy, CA						one Number		303-501-1	215
Stream	X		Overpass		Other		Company	V	/ilson & Cor	mpany
Train Ope	erating Speed:	Freight:	10 mph	Passenge			_			
DECK	Type:	Open	Number o	f Tks	1	Visual C	Condition Rating		4	
	RAIL	Weight:	132 #	Type:	Welded	٧	/isual Condition F	Rating:	5	
		Notes:								
	<u>TIES</u>	Type:	Timber	Tie	e Condition	n Rating:	3			
		Notes:	Ties are s	plit - see ph	noto					
	<b>BALLAST</b>	Depth:	N/A	Ballas	t Condition	n Rating:	:			
		Notes:								
	<b>DECK PLANKS</b>	Type:	N/A	_	Condition	n Rating:	:	Notes:		
	OTHER	Type:			_Condition	n Rating:	:	-		
SUPERS	TRUCTURE	<b>-</b>	_							
	Visual Conditio	_	5	<b>-</b> .		_			0.1	
	Type:	Culvert:	Number b			•	ound or Rect		Size	
			Approx Lr	ngth.			Concrete		Steel	
		Bridge:	Steel				Timber	30'	Concrete	
		Type:	Truss			•	eck Girder		Through	
			Trestle	-					Girder	4.41.011
		<b>N</b> 1 1	Num Spa			2	Approx. S	pan Le	ngths	14' 6"
		Notes:		Open	Deck Tre	sue - Bu	1111 1947			
SUBSTR	UCTURE									
	Visual Conditio	n Rating		5			_			
	Bent:		5	Туре	Con	crete	Notes			
	Abutment:		5	Туре	Con	crete	Notes			
	Wingwalls:		5	Туре	Tin	nber	Notes			
	Embank			Туре			Notes			
	Footing			Type			Notes			
	Inaccessible ar	eas:								
STREAM	CHANNEL	<b>-</b>								
	Visual Conditio	•	Saarin Frii				Marriage Mater			
	Stream Depth Notes	1"	Scour Evi	dence n of paveme	ent - see n	hoto	_Moving Water		yes	
	110163	3 SCOULC	ownstream	ii oi paveiii	511t - 300 p	iioto				
										_
OVERAL	L RATING									
	High Priority		_Medium F	Priority			_Low Priority		Χ	•





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		5
E01 Scour	3	S01 Stringers		5	A07 Piles		N/A
E02 Channel	3	S02 Bearing (		5	A08		1477
E03 Approach	5	ABUTMENTS		Ü	A09		
DECK	Ü	A01 East Abutment		5	MISC. OT	HFR	
D01 Rail	5	A02 East Win		3	M01		
D02 Footwalk	4	A03 West Ab	-	5	M02		
D03 Handrail	5	A04 West Wir		3	M03		
D04		A05 Pier Cap	-	5	M04		
D05		/ too r for oup		Ŭ	1010		
					Ove	erall Rating:	4
			COMMENT	rs			
Reference				Remark			
Utility		gh pressure ga			•		
Wingwall						II has erosion - se	e photos
Walkway	Southeast w	alkway panel h	as deflection da	amage - see pl	notos		
		MAINTEN	IANCE RECON	MENDATION	S		
Priority				Description			
A02, A04, B	Repair wing	walls to retain b	allast	•			
E01, E02, M		ur after large sto					
D02, D03, B	Repair footw	/alk					
	COND	ITION RATING	i			PRIORITY	
1. Failed (may red	quire bridge out	of service)			A. Imm	ediately	
2. Deficient: OK for	•	,	nan/Inspector fo	or all trains		in 1 year	
until repaired.			<u> </u>			in 3 years	
3. Satisfactory but	with exceptions	: Slow order m	ay be required.			in 5 years	
4. Worker Safety: i						in 10 years	
5. Good with minor	•	nariara, rooman, oto.)				itor, Condition ma	y change &
6. New Bridge						e priority	
7. Not inspected: I	Reason stated						
Inspect	ted By:	J	oseph Holste, I	PE	Da	ate Inspected:	12/8/2020

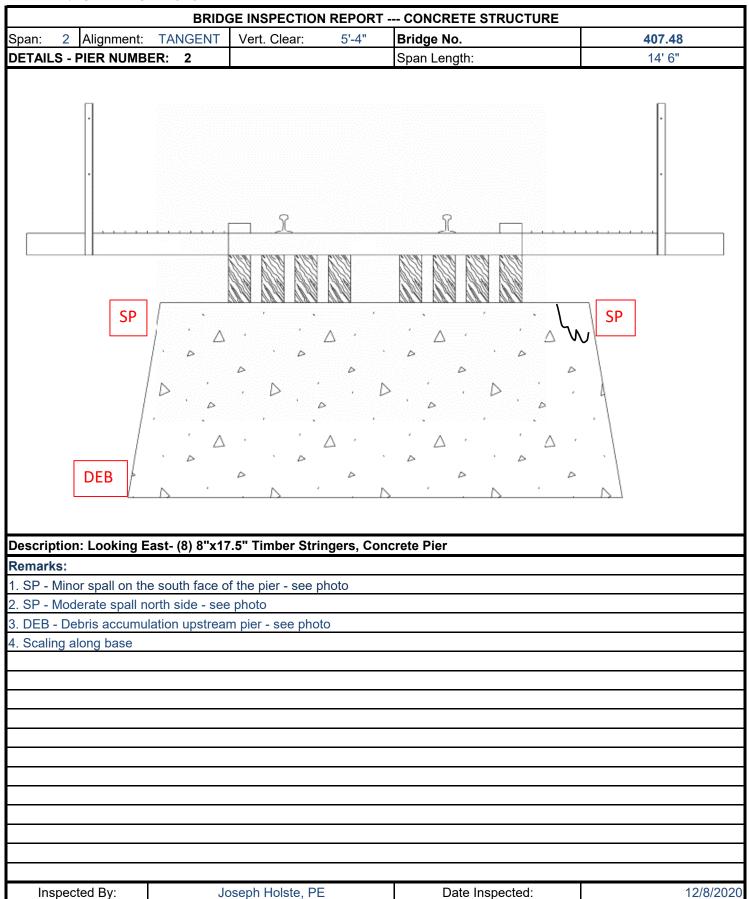




	A 1. 1					CONCRETE STRU	T	407.40
	Alignment:			rt. Clear:	5'-4"	Bridge No.		407.48
I AILS - A	ABUTMENT	NUMBER	<b>t</b> : 1			Span Length:		14' 6"
CR								Δ ′ \
	` >		` Þ		^ `	Δ . Δ	, D	. 1
		Vest - (8)		^	^	ncrete Abutment	. D	. 1
marks:	: Looking V		8"x17.5"	Timber St	^	۸	. D	. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸	` >	
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		. 1
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		
emarks: CR - Cracl	: Looking V	est wingw	<b>8"x17.5"</b> rall - see p	Timber St	^	۸		

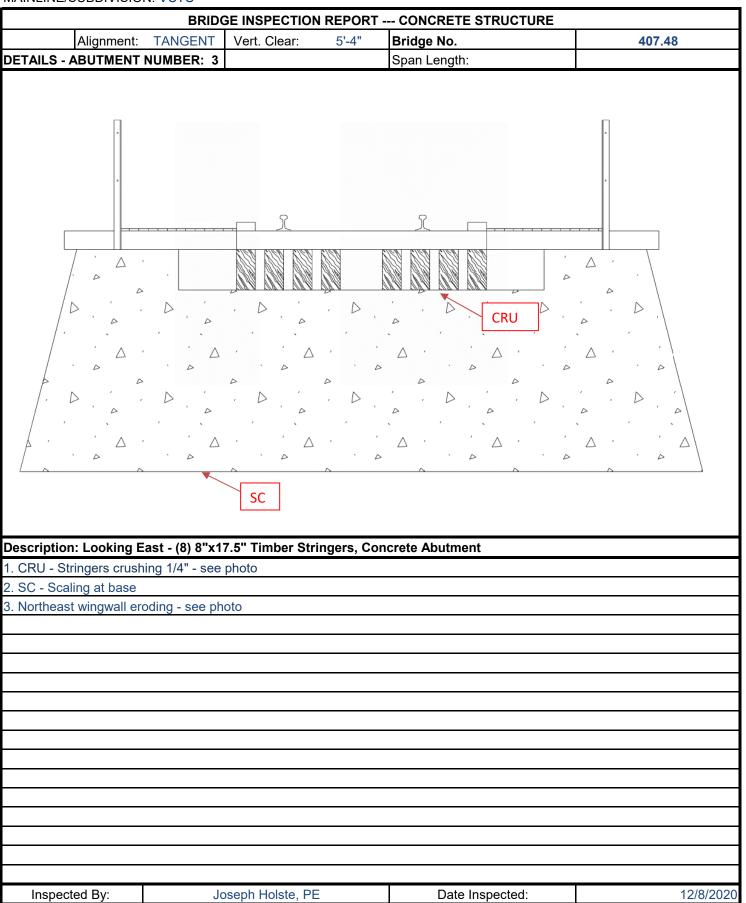














407.48 Looking East



407.48 Looking West



407.48 Looking North



407.48 Looking South



407.48 Channel Condition – Looking Upstream



407.48 Channel Condition – Looking Downstream



407.48 Northwest Wingwall Undermining



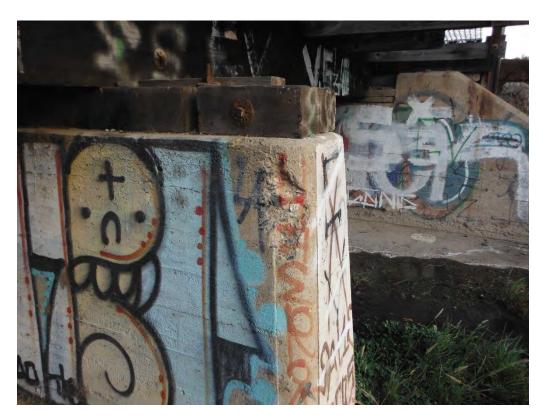
407.48 Southwest Wingwall Crack



407.48 Typical Tie Condition - Split



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



407.48 Spall on south side of Pier 2



407.48 SE Walkway Panel Deflection Damage



407.48 Spall and debris on upstream side of Pier



407.48 Stringers crushing 1/4" at Abutment 3



407.48 Scaling at Base at Abutment 3



407.48 NE Wingwall Erosion



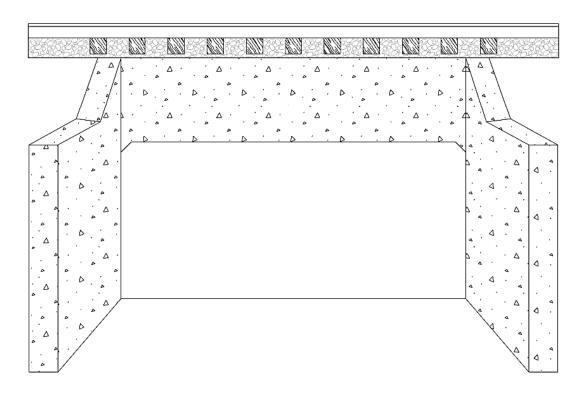


			Culver	t Inspe	ction Fo	rm			
DIVISION	Santa Paula	1	CULVERT N	NO. N	IP 408.02	TYPE OF CULVERT	17'x11' CBC		
		NO. OF		Length of					
BRANCH	Santa Paula	SPANS	1	Culvert	17'	LOCATION	Saticoy, CA		
OVERALL RAT		VV.	ATERWAY	NO. 0	OF TRACKS		YEAR BUILT		
	5	DR	AINAGE		1	1984			
ITEM	GENERAL		CONDITION RATING			REMA	RKS		
1	Action Under Trains		7	No Trains					
2	Embankment		5						
3	Track Over Culvert		5	Approaches	slightly low				
	STREAM CONDITI	ONS							
4	Alignment		5						
5	Channel		5	Fenced cond	crete channel				
6	Paving Through Culvert		5						
7	Rip Rap		N/A						
8	Sheet Piling Protection		N/A						
9	Cleanliness		CLEAN						
	MASONRY								
10	Abutment		5						
11	Arch Ring		N/A						
12	Headwalls		5						
13	Wingwalls		5						
14	Foundations		5						
15	Roofs		5						
16	Walls		5						
17	Piers		N/A						
18	Parapet Walls		5						
19	Pointing		N/A						
20	Cradles		N/A						
21	Previous Gunite		N/A						
22	Slab		5						
23	Pipes-Metal/Concrete		N/A						
Remarks:	1. Minor cracking at abut 2. Fouled ballast across of 3. Ties partially covered a 4. Vertical crack center o 5. Longitudinal crack on 6. Fence breach at south	culvert and in poof abutment the South	nts (East and V underside of	the slab	structure				
	NOTE	ANY SCOL	IR, SETTLEMENT,	DISTRESS, SLIE	DE FAILURE, BACKW	ATER OR OBSTRU	JCTION.		
	CON	IDITION	RATINGS				PRIORITY		
	l(may require bridge out					A. Immed			
	ent: OK for operations, bu	t requires	s Flagman/Ins	pector for al	l trains	B. Within	<i>-</i>		
	epaired.	01					3 years		
	actory but with exceptions						5 years		
	er Safety: items such as ( with minor exceptions	nandrail,	iootwalk, etc.	)			10 years , Condition may		
6. New E							& raise priority		
	spected: Reason stated					Glange	a raise priority		
TYPE OF CUL\	•	CAST IRO	NI	ADOLL	STONE	DOV 0	PTONE		
TITE OF COLV	ALINIO. PIPE -	STEEL	¥	AKUH -	CONCRETE	BOX - S	CONCRETE		
		CONCRET	E		BRICK		RAIL TOP		
Insp	ector: Jose	ph Holst	e, PE	Date	Inspected:		12/8/2020		
				•		•			





	CULVERT INSPECTION REPORT								
Span:	1	Waterway	DRAINAGE	Type of Culvert	17'x11' CBC	Bridge No.	MP 408.02		
DETAIL	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: 12/8/2020



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



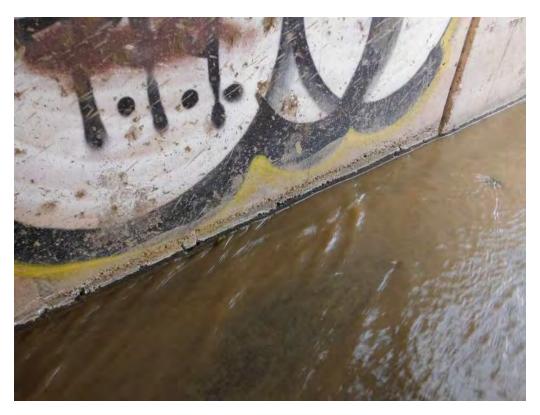
408.02 Erosion at Northeast embankment



408.02 Fence breach



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	E INSPECTION	ON REPO	ORT				
						INS	SPECTION TYP	E:	An	ınual	T
	STRI	JCTURE IN	JEORMAT	ION			INSPECTIO	N INFO	RMATION	ı	_
Milepost	408.84	OTOTAL III	11 01 (17), (1	1011		Date	8-Dec-20	Time		BOAM	-
Location	Santa Paula B	ranch Line	_			Inspecto			oseph Hol		_
Location	Saticoy, CA	TUTION LINE				-	ne Number		303-501-		_
Stream	X (Ellsworth I	Barranca)	Overnass		Other	Гоюрпо			/ilson & Co		_
	erating Speed:		- '		ger: 15 mph		_ Company		VIIOOTI & OC	лпрану	_
DECK	Type: Ballast &		Number of			Visual C	Condition Rating		3		
	RAIL	Weight:	_	Type:	Jointed	-	isual Condition l	Rating:		_	
	<u> </u>	Notes:				-	misalignment at	_		_	
	<u>TIES</u>	Type:	Timber		Tie Conditio						_
	<u></u>	Notes:		_				-			
	BALLAST	Depth:	16 in	Bal	last Conditio	n Rating:	3				_
		Notes:	1		2,4,5 is foule	_		-			
	DECK PLANKS		Timber	,			3	Notes:			_
	OTHER	Type:		_	Conditio			-			_
		<b>31</b>				3	-	-			
SUPERS	TRUCTURE										
50. <u> </u>	Visual Condition	on Rating	5								
	Type:	Culvert:		– parrels		Ro	und or Rect		Size		
	. 71	•	Approx L			-	Concrete		Steel		_
		Bridge:	Steel		58'	•	Timber	43'	Concrete	·	_
		Type:	Truss			De	eck Girder	X	Through	·	_
		. , , ,	Trestle			X			Girder		
			Num Spa	ns		5	Approx. S	pan Le	•	14'10",7',58',	_ .6'.15'2"
		Notes:	•				ck Timber Trestle	-	•		
								- 1-1			_
SUBSTR	UCTURE										
l obbonk	Visual Condition	on Rating			5						
	Bent:	· ·	5	Туре	St	eel	- Notes	;			
	Abutment:		5	Type	St	eel	- Notes	-			_
	Wingwalls:		3	Туре	Tin	nber	Notes	A	Abut 1 wall	failing	_
	Embank			Туре			Notes	;			_
	Footing			Туре			Notes	·			_
	Inaccessible a	reas:					_				_
											_
STREAM	I CHANNEL										
0111_1	Visual Condition	on Rating	3								
	Stream Depth		Scour Ev			es	_Moving Water		yes		_
	Notes		oding back	wall of al	outment 1 an	d gabion	wall at east side	e is und	ermined no	orth of	_
		pier 3									_
OVERAL	L RATING						. 5		V		
	High Priority		_Medium F	riority			Low Priority		X	_	
Ī											



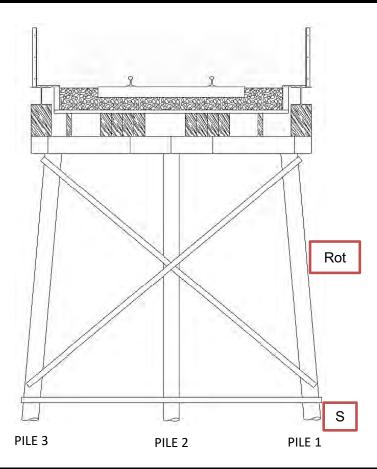


MAINLINE/SUBDIVISI		CE INSPECT	ION REPORT -	TIMBED ST	PLICTURE		
Spans:	4	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	408.84a
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	22'
ENVIRONMENT		STRINGERS			B08 Sash		5
E01 Scour	3	S01 Stringers		5	B09 Long		N/A
E02 Channel	5	S02 Line Bolt		N/A		Long Brace	N/A
E03 Approach	3	S03 Bearing		5	B10 Cap		N/A
DECK	3	BENTS	ш Сар	3	MISC. OTHER		IN/A
D01 Ties (OD only)		B01 West Ba	chwall	3	M01	IILIX	
D02 Ties Spacers	N/A	B02 East Bac		N/A	M02		
D03 Rail	3	B03 Steel Ca		5	M03		
D04 Ballast Floor	3	B04 Steel Pile	•	5	M04		
D05 Ballast Retainer	5	B05 Framed		N/A	10104		
D06 Footwalk	4	B06 Posts	Denis	N/A	Ove	erall Rating:	4
D07 Handrail	4	B07 Cross Br	3088	5	1	ran ranng.	-
DOT Hariaran		D07 01033 B1			<u> </u>		
	_		COMMENT				
Reference				Remark			
Handrail		le bottom han					
Walkway			ent run over gr	ating and is ca	using trippi	ng hazard	
Other	There is a be	e hive at Abutr	ment 1.				
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
Α	Remove vege	tation under a	ıll spans				
B01, E01, A	Repair backw	all and scour l	before next rain	y season			
D04, M	Ballast floor n	eeds to be mo	onitored for dete	erioration - Rep	lace as ne	cessary	
E03, B		ches on both e				•	
D06, A	Replace walk	way					
D07, A	Repair handra	ail cable					
	CONDI	TION RATING	)			PRIORITY	
1. Failed (may requ	uiro bridgo out a	of convice )			A. Imm	ediately	
Deficient: OK for a contract of the contr			man/Inchastor f	or all trains	1	in 1 year	
until repaired.	operations, but	requires riagi	nan/mspecior i	or an traills		in 1 year in 3 years	
Satisfactory but w	ith excentions:	Slow order m	av he required			in 5 years	
Worker Safety: ite	•					in 10 years	
<ol> <li>Good with minor e</li> </ol>		anuran, IOOtWa	ain, 610. <i>)</i>				
6. New Bridge	evcehiious					itor, Condition ma	y cnange &
7. Not inspected: R	eason stated				- raise	e priority	
· · · · · · · · · · · · · · · · · · ·			losenh Helete	DE .	D.	ate Inspected:	10/0/000
Inspecte	u Dy.	J	loseph Holste, l		Da	ate Inspected:	12/8/202





	BRIDGE INSPECTION REPORT STEEL BENT								
Span:	1	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84a		
DETAIL	DETAILS - ABUT NUMBER: 1 Span Length: 14' 10"								



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

Date Inspected:

12/8/2020

#### Remarks:

Inspected By:

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

Joseph Holste, PE

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

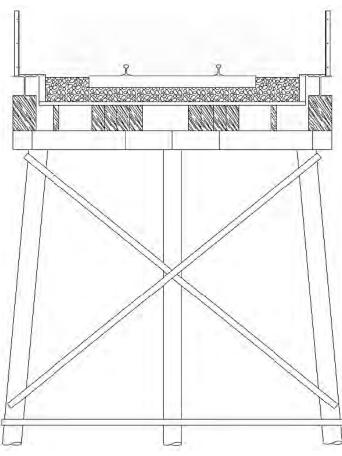




12/8/2020

MAINLINE/SUBDIVISION: VCTC

	BRIDGE INSPECTION REPORT STEEL BENT								
Span:	2	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	408.84a		
DETAII	DETAILS - BENT NUMBER: 2 Span Length: 7'-0"								



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

Date Inspected:

Joseph Holste, PE

Inspected By:





Deck Type:		BRII	DGE INSPECT	ION REPORT -	STEEL STR	RUCTURE		
SOT   SCOURT   SOT   GIRDERS   SOT   GIRDERS   SOT   GIRDERS   SOT   GIRDERS   SOT   SCOURT   SOT   GIRDERS   GIRDERS   SOT   GIRDERS   GIRDER	Spans:	1					Bridge No.	408.84b
SOUTH   SOUT	No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	CREEK	Overall Length:	60'
So2 Top Lateral Braces   5   A08   A09	ENVIRONMENT		GIRDERS			A06 Bent		5
S03 Approach   N/A   S03 Bottom Lateral Braces   5   A09   MISC. OTHER   S04 Cross Braces   5   MISC. OTHER   S04 Cross Braces   S04 C	E01 Scour	3	S01 Girder		5	A07		
DECK    S04 Cross Braces   5   MISC. OTHER	E02 Channel	3	S02 Top Late	eral Braces	5	A08		
DO1 Ties (OD only) 5 S05 Bearings 5 M01 D02 Ties Spacers 5 ABUTMENTS & PIERS M02 D03 Rail 5 AO1 East Abutment N/A M03 D04 Footwalk 4 A02 East Wingwalls N/A M04 D05 Handrail 4 A03 West Abutment N/A M04 D05 Handrail 4 A03 West Abutment N/A M04 D06 Floor Beams 5 AO4 West Wingwalls N/A D07 Ballast Curb N/A A05 Pier Cap 5 D07 Ballast Curb N/A A05 Pier Cap 5 D07 Ballast Curb Dense vegetation under bridge.  Girder Paint failure and surface rust. Channel Dense vegetation under bridge. Girder Joints closed at top of girder. Handrail Handrail bolt at first post from west end broken.  MAINTENANCE RECOMMENDATIONS Priority Description D05, A Repair walkway D05, A Repair walkway D05, A Repair inhandrail bolt at first post from west end broken.  MAINTENANCE RECOMMENDATIONS Priority Description D05, A Repair undermining at pier 3  MAINTENANCE RECOMMENDATIONS Priority Description D05, A Repair undermining at pier 3  MAINTENANCE RECOMMENDATIONS PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated	E03 Approach	N/A			5			
D02 Ties Spacers 5 ABUTMENTS & PIERS M02 M03 M04 D05 Florwalk 4 A02 East Wingwalls N/A M03 M04 D05 Flandrail 4 A03 West Abutment N/A M04 M05 M04 D05 Flandrail 4 A03 West Abutment N/A M04 M05 Flor Beams 5 A04 West Wingwalls N/A M05 Flor Cap 5 5 D07 Ballast Curb N/A A05 Fler Cap 5 5 SOOT Ballast Curb N/A M05 Fler Cap 5 5 SOOT Ballast Curb N/A M05 Fler Cap 5 5 SOOT Ballast Curb N/A M05 Fler Cap 5 5 SOOT Ballast Curb N/A M05 Fler Cap 5 5 SOOT Ballast Curb N/A M05 Fler Cap 5 5 SOOT BALLAGE FLOR FLOR FLOR FLOR FLOR FLOR FLOR FLOR	DECK		S04 Cross Br	aces	5	MISC. OT		
D03 Rail 5 A01 East Abutment N/A M03  D04 Footwalk 4 A02 East Wingwalls N/A M04  D05 Handrail 4 A03 West Abutment N/A M04  D06 Floor Beams 5 A04 West Wingwalls N/A D06 Floor Beams 5 A05 Pier Cap 5  COMMENTS  Reference Paint failure and surface rust.  Channel Dense vegetation under bridge.  Girder Joints closed at top of girder.  Girder No gap between spans. The timber stringers are bearing up against the ends of the deck plate girder.  Handrail bolt at first post from west end broken.  MAINTENANCE RECOMMENDATIONS  Priority Description  MAINTENANCE RECOMMENDATIONS  Priority Description  MAINTENANCE RECOMMENDATIONS  Priority Description  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as (handrail, footwalk, etc.)  5. Good with minor exceptions  N/A M04  Mod M04  Mod M04  Mod M04  Mod M04  Overall Rating: 5  Mod Verall Rating: Mod A  Overall Rating: 5  Mod Mod M04  Description  Remark  Committed: N/A  Overall Rating: 5  Mod Verall Rating: Mod A  Overall Rating: 5  Mod Verall Rating: Mod A  Overall Rating: Mod A  Ov	D01 Ties (OD only)	5	S05 Bearings	3	5	M01		
D04 Footwalk 4 A02 East Wingwalls N/A D05 Handrail 4 A03 West Abutment N/A D06 Floor Beams 5 A04 West Wingwalls N/A A05 Pier Cap 5 5 D07 Ballast Curb N/A A05 Pier Cap 5 5 COMMENTS  Reference Remark  Girder Paint failure and surface rust.  Channel Dense vegetation under bridge.  Girder No gap between spans. The timber stringers are bearing up against the ends of the deck plate girder.  Handrail Handrail bolt at first post from west end broken.  MAINTENANCE RECOMMENDATIONS  Priority D05, A Repair walkway D05, A Repair walkway D05, A Repair mandrail bolt at first post from west end E02, B Remove vegation under bridge E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated	D02 Ties Spacers	5	ABUTMENTS	S & PIERS		M02		
D05 Handrail D06 Floor Beams D07 Ballast Curb D08 Alay West Wingwalls D08 Floor Beams D08 Floor Beams D09 Floo	D03 Rail	5	A01 East Abu	utment	N/A	M03		
Doc   Floor Beams   5	D04 Footwalk	4	A02 East Wir	ngwalls	N/A	M04		
COMMENTS   Remark   Girder   Paint failure and surface rust.	D05 Handrail	4	A03 West Ab	utment	N/A			
Reference	D06 Floor Beams	5	A04 West Wi	ngwalls	N/A	Ove	rall Rating:	5
Reference	D07 Ballast Curb	N/A	A05 Pier Cap	1	5			
Reference				COMMENT	 S			
Girder Paint failure and surface rust.  Channel Dense vegetation under bridge.  Girder Joints closed at top of girder.  Girder No gap between spans. The timber stringers are bearing up against the ends of the deck plate girder.  Handrail Handrail bolt at first post from west end broken.  MAINTENANCE RECOMMENDATIONS  Priority Description  D05, A Repair walkway  D05, A Repair handrail bolt at first post from west end  E02, B Remove vegation under bridge  E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  4. Monitor, Condition may change & raise priority  7. Not inspected: Reason stated	Reference							
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Girder Handrail Holt at first post from west end broken.    Handrail Handrail bolt at first post from west end broken.				•				
Handrail Handrail bolt at first post from west end broken.    Handrail Handrail bolt at first post from west end broken.	Girder	No gap betwee	en spans. The ti	mber stringers are	bearing up aga	ainst the end	s of the deck plate g	irder.
MAINTENANCE RECOMMENDATIONS  Priority Description  D05, A Repair walkway  D05, A Repair handrall bolt at first post from west end  E02, B Remove vegation under bridge  E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as (handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated	Handrail						1 0	
Priority Description  D05, A Repair walkway  D05, A Repair handrail bolt at first post from west end  E02, B Remove vegation under bridge  E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as (handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated			MAINTEN	IANCE RECOM	MENDATION	<u> </u>		
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E02, B Remove vegation under bridge E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated	·		•	oost from west s	and			
E01, B Repair undermining at pier 3  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated					and .			
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2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  2. Within 1 year  C. Within 3 years  3. Satisfactory but with exceptions: Slow order may be required.  D. Within 5 years  4. Worker Safety: items such as (handrail, footwalk, etc.)  E. Within 10 years  5. Good with minor exceptions  M. Monitor, Condition may change & raise priority  7. Not inspected: Reason stated	1 Failed / may roa					Δ Imm		
until repaired.  C. Within 3 years  Satisfactory but with exceptions: Slow order may be required.  D. Within 5 years  Worker Safety: items such as (handrail, footwalk, etc.)  Good with minor exceptions  New Bridge  New Bridge  Not inspected: Reason stated				man/Inspector fo	or all trains	1	·	
<ol> <li>Satisfactory but with exceptions: Slow order may be required.</li> <li>Worker Safety: items such as (handrail, footwalk, etc.)</li> <li>Good with minor exceptions</li> <li>New Bridge</li> <li>Not inspected: Reason stated</li> </ol> D. Within 5 years Within 10 years M. Monitor, Condition may change & raise priority		oporations, but	. roquires i layi	πατιπτιορουίοι Τ	n an danis			
<ul> <li>4. Worker Safety: items such as (handrail, footwalk, etc.)</li> <li>5. Good with minor exceptions</li> <li>6. New Bridge</li> <li>7. Not inspected: Reason stated</li> <li>E. Within 10 years</li> <li>M. Monitor, Condition may change &amp; raise priority</li> </ul>	•	ith excentions:	Slow order m	av be required				
5. Good with minor exceptions       M. Monitor, Condition may change &         6. New Bridge       - raise priority         7. Not inspected: Reason stated       - raise priority	•	•				1		
6. New Bridge - raise priority 7. Not inspected: Reason stated		,	.a.iaiaii, 100twe	a, 0.0. j			·	/ change 9
7. Not inspected: Reason stated		c.tooptiono					-	, change &
•		eason stated				14130	- Pilotty	
	· · · · · · · · · · · · · · · · · · ·			loseph Holste. F	PE	Da	ite Inspected:	12/8/2020





Inspected By:

MAINLINE	E/SUBDIVISION: VCTC				
		BRIDGE INSPI	ECTION RE	PORT STEEL BENT	
Span:	Alignment: TANGENT	Vert. Clear:	Varies	Bridge No.	408.84b
DETAILS	- BENT NUMBER: 3			Span Length:	58'
Descripti	on: Looking West/East Res	pectively - Ste	el Built-up	Cap with H14x89 Piles, Plate	es Welded to Piles at Base
Remarks					
I. Gabion	undermined - north side - se	e photo			

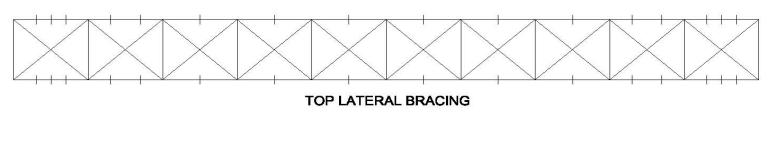
Date Inspected:

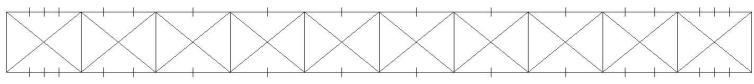
12/8/2020

Joseph Holste, PE

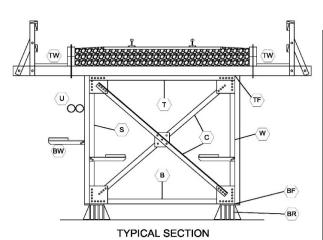








#### **BOTTOM LATERAL BRACING**



- T TOP LATERAL BRACING, TYP.
- C CROSS-FRAME, TYP.
- B BOTTOM LATERAL BRACING, TYP.
- S GIRDER STIFFENER, TYP.
- TF GIRDER TOP FLANGE, TYP.

  BF GIRDER BOTTOM FLANGE, TYP.
- W GIRDER WEB, TYP.
- BR BEARINGS
- U UTILITIES
- TW TOP WALKWAY, BALLAST CURB, HANDRAIL
- BW BOTTOM WALKWAY, BALLAST CURB, HANDRAIL

DIVISION	Santa Paula Brand	h   SPAN LENGTH	58'	NUMBER OF TRACKS	1
CROSSING	Ellsworth	Barranca	TRACK ALIGNN	MENT TANGENT SPAN No.	3
INSPECTIO	N FINDINGS				
		Paint Fa	ailure and surface	rust	

Inspected by: Joseph Holste, PE Date: 12/8/2020 Bridge Number: 408.84b





	BRID		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 Sas	n Brace	5
E01 Scour	3	S01 Stringers	3	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	@ Cap	5	B11 Shin	ns	N/A
DECK		BENTS	•		MISC. O	THER	
D01 Ties (OD only)		B01 West Ba	ckwall	N/A	M01		
D02 Ties Spacers	N/A	B02 East Bac	kwall	3	M02		
D03 Rail	3	B03 Steel Ca	ps	5	M03		
D04 Ballast Floor	5	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	5	B07 Cross Br	aces	5	1		
			COMMENT	re	-1.		
Reference			COMMEN	Remark			
		1 1 1					
Walkway	Appears to na	ave nad equim	ent run over gr	aling and is cal	using inpp	ing nazard	
i							
	+						
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
E02, A		etation under a	_				
B02, E01, A	Repair backw	all and scour l	before next rain	y season			
E03, B	Raise approa	ches on both	ends				
D06, A	Replace walk	wav					
/		, , , , , , , , , , , , , , , , , , ,					
	<u> </u>				T		
	CONDI	TION RATING			PRIORITY		
1. Failed (may requ	uire bridge out	of service )			A. Imn	nediately	
2. Deficient: OK for			man/Inchector f	or all trains		nin 1 year	
	operations, but	requires r lagi	nan/mspecior n	Ji ali tialiis	C. Within 3 years		
until repaired.	iith oxecuticu	Clave and a	av ba ====:!== !		· · · · · · · · · · · · · · · · · · ·		
Satisfactory but w	•		· · · · · · · · · · · · · · · · · · ·		D. Within 5 years		
4. Worker Safety: items such as ( handrail, footwalk, etc.)					E. Within 10 years		
5. Good with minor exceptions					M. Mo	nitor, Condition may	y change &
6. New Bridge					- rais	se priority	
7. Not inspected: R	eason stated						
Inspecte		.1	loseph Holste, I	PE	ח	ate Inspected:	12/8/202
	J		1 : : : : : : : : : : : : : : : : : : :			L	3, _ 32





Span: 4 Alignment:	BRIDGE INSP	ECTION REPORT STEEL BENT	
	TANGENT Vert. Clear:	Varies Bridge No.	408.84c
ETAILS - BENT NUME	BER: 4	Span Length:	6' 0"
	Vest/East Respectively - St	eel Built-up Cap with H14x89 Piles, Plate	s Welded to Piles at Base
emarks:  Top of built-up bent is	s slightly rotated - see photo		
Top of built-up bellt is	silgitily rotated - see prioto		
_			



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	Span Length: 15' 2"				BRIDGE INSPEC	TION REPORT STEEL BENT	
					Vert. Clear:		
		DETAILS -	BENT NUMB	ER: 5		Span Length:	15' 2"
Description. Looking East - (a) Suringers 6 × 1 5 , (2) 5.75 × 10.5 Exterior Guingers, Steel Cap with 1117x05 1 incs	Description. Looking East - (a) Stringers of ATS , (2) 5.75 ATO.5 Exterior Stringers, Steel Sup with TTTAGET HOS						
			n: Looking E	ast - (8) Strin	naers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	el Cap with H14x89 Piles
		Descriptio	n: Looking Ea	ast - (8) Strin	ıgers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	l Cap with H14x89 Piles
		Descriptio	n: Looking E	ast - (8) Strin	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	l Cap with H14x89 Piles
		Descriptio	n: Looking Ea	ast - (8) Strin	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	l Cap with H14x89 Piles
		Descriptio	n: Looking E	ast - (8) Strir	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	l Cap with H14x89 Piles
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		Descriptio	n: Looking E	ast - (8) Strir	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	I Cap with H14x89 Piles
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		Descriptio	n: Looking E	ast - (8) Strir	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	el Cap with H14x89 Piles
		Descriptio	n: Looking E	ast - (8) Strir	ngers 8"x1'5", (2) 3	3.75"x16.5" Exterior Stringers, Stee	l Cap with H14x89 Piles

Date Inspected:

12/8/2020



Inspected By:



		PRT STEEL ABUTMENT	
Alignment: TANGENT	Vert. Clear: Varies	Bridge No.	408.84c
ETAILS - ABUT NUMBER: 6		Span Length:	
escription: Looking East - Steel C	ap with H14x89 Piles		
Remarks:			
. Abutment timbers rotten - see photo			
Undermining Southeast Backwall -			
Erosion at the Southeast slope beh	ind the wingwall - see photo	)	
Bees at abutment, in backwall			
_			

Date Inspected:

12/8/2020

Joseph Holste, PE



408.84 Looking East



408.84 Looking West



408.84 Looking North



408.84 Looking South



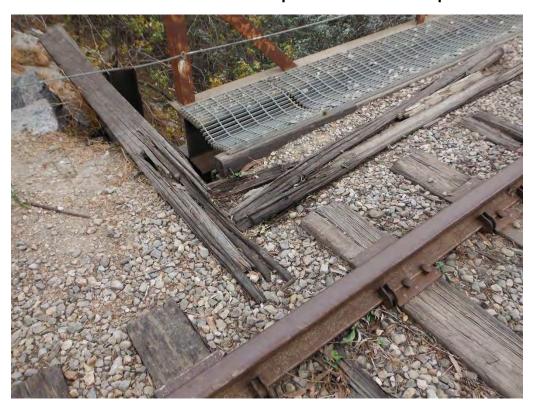
408.84 Channel Condition - Looking Upstream



408.84 Channel Condition - Looking Downstream



408.84 Broken handrail post bolt on SW of Span 3



408.84 Rotten/failing backwall at Abutment 1



408.84 Abutment 1 backwall leaning



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	NSPECTIO	N REPO	ORT			
							SPECTION TYP	E:	Anr	nual
		JCTURE IN	IFORMATI	ON	_		INSPECTIO	N INFO	RMATION	
Milepost	409.74		_			Date		_Time	9:30	
Location	Santa Paula B	ranch Line				Inspecto	or Name		oseph Holst	
	Saticoy, CA					Telepho	ne Number	_	303-501-1	215
Stream	X (Drainage				Other		_ Company	yW	/ilson & Cor	mpany
	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph					
DECK	Type:	Ballast	_Number o	f Tks	1	Visual C	Condition Rating	-	5	
	<u>RAIL</u>	Weight:	132 #	Type:	Jointed	V	isual Condition	Rating:	5	
		Notes:	Low appro	oaches eas	st and west					
	<u>TIES</u>	Type:	Timber	_ Ti	ie Conditior	n Rating:	5	_		
		Notes:								
	<b>BALLAST</b>	Depth:	14 in	Ballas	st Condition	n Rating:	3			
		Notes:	Fouled ba					_		
	DECK PLANKS	Type:	Timber		Condition	n Rating:	5	Notes:		
	OTHER	Type:								
		• .								
SUPERS'	TRUCTURE									
	Visual Condition	on Rating	5							
	Type:	•	Number b	arrels		Ro	und or Rect		Size	
	. , , ,	• • • • • • • • • • • • • • • • • • • •	Approx Lr			•	Concrete		Steel	
		Bridge:	Steel	igui.		•	Timber	16'	Concrete	
		Type:	Truss	-		D	eck Girder		Through	
		турс.	Trestle			. X	cok Girder		Girder	
			Num Spai			<u>^</u> 1	Approx. S	Snan Ler	-	16'
		Notes:	Num Opai		st Deck Tre			opan Lei	iguis _	10
		NOICS.		Dalla	St Deck 116	- DC	JIII 1903		-	
SUBSTR	LICTURE									
SUBSTR	Visual Condition	n Rating		5	5					
	Bent:	on reading	-	Туре	,		- Notes	2		
	Abutment:		5	_ туре Туре	Con	crete	_ Notes			
	Wingwalls:		<u>J</u>	_	COII	CIELE	_ Notes	_		
	Embank			_Type Type			_ Notes			
				_			-			
	Footing Inaccessible a			_Type			_ Notes	>		
	maccessible a	reas.								
STREAM	CHANNEL	D4:	_							
	Visual Condition Stream Depth	_	5 Scour Evi	donco			Moving Water		VOC	
	Notes	Concrete	_	uence			_ INIOVILIG VVALEI		yes	
	140103	COHOICE	Valtori							
OVERAL	L RATING									
VLINAL	High Priority		Medium P	Priority			Low Priority		Χ	
	<u> </u>	-	-	,			_			





	BRID	OGE INSPECT	ION REPORT -	TIMBER ST	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	5'	Bridge No.	409.74
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	16'
ENVIRONMENT		<b>STRINGERS</b>			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers	3	5	B09 Long	Brace	N/A
E02 Channel	5	S02 Line Bolt	ts	N/A	B10 Cap I	Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim	S	N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	5	M01 Appr	oches	
D02 Ties Spacers	N/A	B02 East Bac	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			
			COMMEN	<u>_</u> ГЅ			
Reference				Remark			
BEES	Bees have m	nade a hive in e	east backwall	Koman			
5220	Bood Have III		aor saorman				
		MAINTEN	NANCE RECO	MENDATION	S		
Priority				Description			
E03, B	Replace balla	net .		Description			
·	REMOVE BE						
A							
E03, B	Raise approa	acnes					
	1						
	-						
	-						
	<u> </u>						
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ	uire bridae out	of service)			A. Imm	ediately	
2. Deficient: OK for			man/Inspector f	or all trains		in 1 year	
until repaired.		. aa.io		in 3 years			
Satisfactory but w	ith excentions:		1	in 5 years			
Worker Safety: ite			+	in 10 years			
•				•			
5. Good with minor	exceptions					itor, Condition may	cnange &
6. New Bridge					- raise	e priority	
7. Not inspected: R Inspecte		Т .	loseph Holste, l	DE	_	ate Inspected:	12/8/202

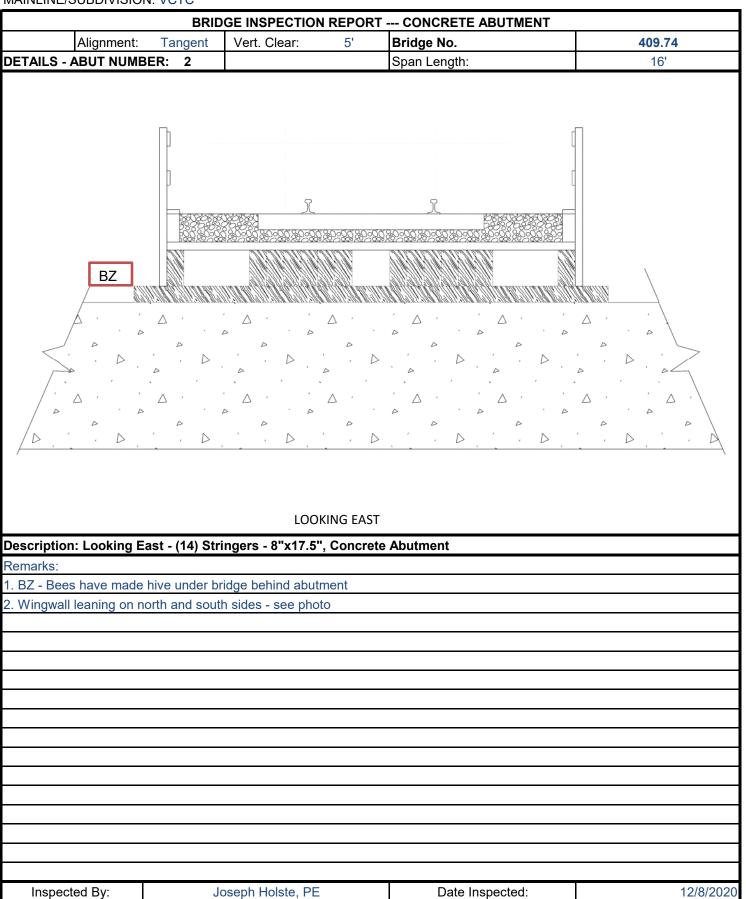




Span: 1					T CONCRETE ABUTMENT	
	Alignment:	Tangent	Vert. Clear:	5'	Bridge No.	409.74
ETAILS	- ABUT NUMBI	ER: 1			Span Length:	16'
				IM SP		
			LOOKI	NG WEST		
escriptio	on: Looking W	est - (14) Str	ringers - 8"x17.5	", Concre	te Abutment	
emarks:						
	ngers 6 , 7, and					
			id 8 - see photo			
. Wingwa	III leaning on so	outh side, ero	sion behind wing	wall - see	photo	









409.74 Looking East



409.74 Looking West



409.74 Looking North



409.74 Looking South



409.74 Backwall on Southwest side leaning, Abutment 2 similar



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





				BRIDGE I	NSPECTIC	N REPC	ORT				
						INS	SPECTION TYPE	≣: [	Ann	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTION	N INFO	RMATION		
Milepost	410.40				_	Date	8-Dec-20	Time	10:1	5AM	
Location	Santa Paula Br	ranch Line	=			Inspecto	r Name	-	oseph Holst		
	Saticoy, CA						ne Number	-	303-501-1		
Stream	X (Todd's Ba	arranca)	Overpass					-	/ilson & Cor	-	
	erating Speed:		_							<u> </u>	
DECK	Type:					Visual C	ondition Rating		5		
	RAIL	Weight:	112 #		Jointed		isual Condition F	Rating.			
	<u></u>	Notes:		_	east and we		ioddi Goridiaon i	tuting.			
	TIES	Type:	Timber				5			<u> </u>	
		Notes:	11111201			rraang.		•			
	<b>BALLAST</b>	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										
OUI LIKE	Visual Conditio	n Rating	5								
	Type:	_	Number b	_ arrels		Roi	und or Rect		Size		
	Type.	Odivort.	Approx Lr				Concrete		Steel		
		Bridge:	Steel	•	x		Timber		Concrete		
		Type:	Truss				eck Girder	40'	Through		
		i ype.	Trestle				eck Gildei	40	Girder		
			Num Spar			2	Approx. S	nan I a		39'	
		Notes:	Num Spai		Deck Plate		•	ран се	ilguis _	39	
				Оролг	Joon Flate	on doi: E	Sant To TT		·         •		
SUBSTR		D. (;		_	_						
	Visual Conditio	n Rating	( <del></del>	5	)		- N				
	Bent:			_Type			Notes				
	Abutment:		5	_Type		crete					
	Wingwalls:		5	_Type	Con	crete	Notes				
	Embank			_Type			Notes				
	Footing			_Type			Notes				
	Inaccessible ar	eas:									
STREAM	CHANNEL										
	Visual Conditio	•	5	<u> </u>							
	Stream Depth	6"	Scour Evi		n	10	Moving Water		yes		
	Notes	Major de	bris under l	oridge							
OVERAL	L RATING										
	High Priority		_Medium P	riority			Low Priority		X		





WAINLINE/SOBBIVIO		OGE 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	3	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 Bi	aces	5 MISC. OTHER					
D01 Ties (OD only)	5	S05 Bearings	3	5	M01				
D02 Ties Spacers	5	ABUTMENT:	S & PIERS		M02				
D03 Rail	5	A01 East Abı	utment	5	M03				
D04 Footwalk	4	A02 East Wir	ngwalls	5	M04				
D05 Handrail	3	A03 West Ab	utment	5					
D06 Floor Beams	5	A04 West Wi		3	Ove	erall Rating:	4		
D07 Ballast Curb	N/A	A05 Pier Cap	)	5					
			COMMENT	S					
Reference				Remark					
Handrail	Handrail cabl	e loose both s	ides - see photo						
Structure	J-bolts have r	not been repla	ced, need more,	need to be tig	htened -se	ee photo			
Utility	3" galvanized	utility crossing	g, North side - u	nknown					
Wingwall	NW and SW I	ballast retaine	r undermined - s	ee photo					
		MAINTEN	NANCE RECOM	MENDATION	<u> </u>				
	<u> </u>	WAINIE	NANCE RECOM	MENDATION	<u> </u>				
Priority				Description					
E02, B	Remove vege	etation from ur	nder and around	bridge structu	re				
E03, B	Raise approa								
D05, A		ail and walkwa	•						
D01, B			to prevent tie m						
A04, B	Repair west v	vingwall to pre	vent further ball	ast loss					
	CONDI	TION RATING	<u> </u>		1	PRIORITY			
4 5 11 /									
	quire bridge out o				ediately				
	r operations, but	requires Flagr	r ali trains		in 1 year				
until repaired.	with executions:	Slow order m		†	nin 3 years				
Satisfactory but     Worker Safety: in			in 5 years						
4. Worker Safety: i		1	in 10 years						
<ol> <li>Good with minor</li> <li>New Bridge</li> </ol>	exceptions					nitor, Condition may	cnange &		
7. Not inspected: I	Reason stated				- rais	e priority			
Inspect			loseph Holste, P	F	D:	ate Inspected:	12/8/2020		
шърест	ieu by.		rosepii itoisie, P	_	l Di	ate moperieu.	12/0/2020		



Inspected By:



Span: 1 Alignment: TANGENT Vert. Clear: 5-10" Bridge No. 410.40  DETAILS - ABUTMENT NUMBER: 1 Span Length: 39"  Span Length: 39"  Description: Looking West - Steel Deck Plate Girders, Concrete Abutment  Remarks:  SP - Minor spalling on backwall - see photo  DUM - Undermining and scour behind NW wingwall upstream - see photo  DEB - Debris around bearings - see photo  DEB - Debris around bearings - see photo				- 1			STRUCTURE/CONCRETE	
escription: Looking West - Steel Deck Plate Girders, Concrete Abutment emarks:  SP - Minor spalling on backwall - see photo  UM - Undermining and scour behind NW wingwall upstream - see photo  FL - Open flange holes near bearing - see photo  DEB - Debris around bearings - see photo	•				Vert. Clear:	5'-10"		
escription: Looking West - Steel Deck Plate Girders, Concrete Abutment  emarks:  SP - Minor spalling on backwall - see photo  UM - Undermining and scour behind NW wingwall upstream - see photo  FL - Open flange holes near bearing - see photo  DEB - Debris around bearings - see photo	ETAILS - ABU	TMENT N	IUMBER:	1			Span Length:	39'
. Hole in ballast due to undermining of ballast retainer - see photo  . Walkway appears to have had equipment run over grating and is causing tripping hazard - see photo  . Abutment 1 bearing bolts slightly racked - see photo	Remarks: . SP - Minor sp . UM - Undermi . FL - Open flar . DEB - Debris . Hole in ballas . Walkway app	alling on I ining and nge holes around be t due to u ears to ha	backwall - scour beh near bear earings - s ndermining ave had eq	see prind Name of the principle in the p	k Plate Girders  ohoto  W wingwall ups see photo noto allast retainer - ent run over gra	stream - se	E Abutment	UM

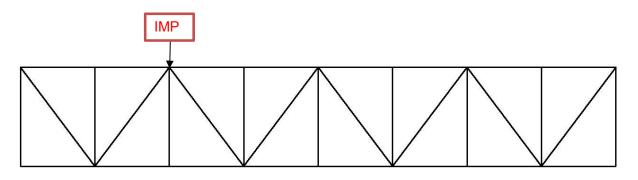
Date Inspected:

12/8/2020

Joseph Holste, PE







**LEFT SIDE** 

**RIGHT SIDE** 

# **BOTTOM LATERAL BRACING**

Santa Paula	SPAN LENGTH	39'	NUMBER OF TRACKS	1
3	[7	TRACK ALIG	NMENT TANGENT SPAN No.	1
ON FINDINGS				
Deck girder is in fa	ir condition with pain	t failure and s	urface rust - see photo	
Bent stiffener on no	orth side near Abutm	ent 2 - See ph	noto.	
	DN FINDINGS  Deck girder is in fai	ON FINDINGS  Deck girder is in fair condition with pain	DN FINDINGS  Deck girder is in fair condition with paint failure and si	TRACK ALIGNMENT TANGENT SPAN No.

Joseph Holste, PE 12/8/2020 Bridge Number: 410.40





	В	RIDGE INSPEC	TION REPORT	STEEL	STRUCTURE/COI	NCRETE ABUTM	ENT
	Alignment:	TANGENT	Vert. Clear:	5'-10"	Bridge No.		410.40
AILS -	ABUTMENT	NUMBER: 2			Span Length:		
	SP			DE A	SP A A A A A A A A A A A A A A A A A A A	GR A	SP SP
	n: Looking E	ast - Steel Dec	k Plate Girders	s, Concrete	Abutment		
arks:	or snall on ho	ackwall - see ph	nto.				
		ngwall - see ph					
		der bearing plate		missing - s	see photo		
		bearings - see p			· · · · · · · · · · · · · · · · · · ·		
		tom of flange gir					

Inspected By:	Joseph Holste, PE	Date Inspected:	12/8/2020



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 Racked bolt at Abutment 1



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



410.40 Bent stiffener on north side near Abutment 2





				BRIDGE IN	NSPECTIO	ON REPO	ORT				
						INS	SPECTION TYP	E:	Ann	ual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION		
Milepost	411.97					Date	8-Dec-20	Time	11:00	AM	
Location	Santa Paula Br	ranch Line	_			Inspecto	r Name	J	oseph Holst	e, PE	-
	Saticoy, CA					Telepho	ne Number		303-501-12	215	_
Stream	X (Haines Ba	arranca)	Overpass		Other		Compan	y <u> </u>	Vilson & Con	npany	<u>-</u>
Train Ope	erating Speed:	Freight:	10 mph	Passenge	r: 15 mph	•					_
DECK	Type:	Ballast	Number o	f Tks	1	Visual C	ondition Rating		3		
	RAIL	Weight:	80 #	Type:	Jointed	V	isual Condition	Rating:	3		
		Notes:	Low appro	oaches eas	t and west	t - 1" plus	. NW rail sectio	n loss -	see photo.		_
	<u>TIES</u>	Type:	Timber	_ Tie	e Conditio	n Rating:	5	_			
		Notes:									_
	<b>BALLAST</b>	Depth:	12 in	Ballas	t Conditio	n Rating:	5	_			
		Notes:									_
	<b>DECK PLANKS</b>	Type:	N/A	<u> </u>	Condition	n Rating:		_Notes:			_
	<u>OTHER</u>	Type:	Concrete		_Conditio	n Rating:	5	_			
OLIDEDO:	TOUGTUBE										
SUPERS	TRUCTURE	n Dating	E								
	Visual Conditio	_	5 Number b	_ orrolo		Poi	und or Rect		Size		
	Type:	Culvert.				-			Steel		-
		Dridge	Approx Lr	igiri.		- '	Concrete Timber			30'	-
		Bridge:	Steel Truss	-		D.	eck Girder		Concrete	30	-
		Type:	Trestle			<u>.</u> Di	eck Gildel		Through Girder		
			Num Spai			1	Approx. S	Span Le	-	30'	_
		Notes:	Num Opai				- Built 1965	эран се	_	- 30	-
		110100.		001101010		on Girdor	Bane 1000		-		-
SUBSTR											
	Visual Conditio	n Rating		5			_				
	Bent:			_Type			Notes				_
	Abutment:	-	5	_Type	Concret	е сар		Steel	•		_
	Wingwalls:	-		Type	-						
	Embank			Type							
	Footing	-		_Type	-		Note:	<u> </u>			_
	Inaccessible ar	eas:									_
STREAM	CHANNEL										
OTKLAN	Visual Conditio	n Rating	5								
	Stream Depth	•	Scour Evi	dence	r	10	Moving Water		no		_
	Notes	Minor ve	getation				-	•			_
											_
OVERAL	L RATING										
OVERAL	High Priority		Medium F	Priority			Low Priority		Χ		
	,	-	_	•			<u>.</u>				





WAINLINE/SUBDIVIS		GE 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"
ENVIRONMENT		GIRDERS			A06 Pier S	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07 Piles		5
E02 Channel	5	S02 Bearings	<b>)</b>	N/A	A08		
E03 Approach	3	ABUTMENTS			A09		
DECK		A01 East Abu		5	MISC. OT	HER	
D01 Rail	3	A02 East Win		5	M01		
D02 Footwalk	5	A03 West Ab		5	M02		
D03 Handrail	4	A04 West Wi		5	M03		
D04		A05 Bent Car		5	M04		
D05		7 too Bont out			100.		
200		1			Ove	rall Rating:	5
			COMMEN	те			
Reference	<u> </u>		COMMEN	Remark			
Handrail	Handrail cab	oles loose both	sides - see pho	oto			
Rail		ion loss - see p					
Wingwall		I cracking -see					
			•				
	+						
		MAINTEN	IANCE RECO	MMENDATION	IS		
Priority				Description			
D01, B	Replace rail	to meet tonnag	e use				
D03, A	Repair hand		- 400				
E03, B	Raise appro						
L03, D	Traise appro-	acries					
	+						
	_						
	00110	ITION DATING	<u> </u>		1	DDIODITY	
	COND	ITION RATING	1		1	PRIORITY	
1. Failed (may req	uire bridge out	of service)			A. Imm	ediately	
2. Deficient: OK for	or all trains	B. With	in 1 year				
until repaired.		C. With	in 3 years				
3. Satisfactory but v	with exceptions	·	D. With	in 5 years			
4. Worker Safety: it	ems such as (		E. With	in 10 years			
5. Good with minor			itor, Condition ma	v change &			
6. New Bridge	•			e priority	,		
					+	. ,	
7. Not inspected: R	Reason stated						

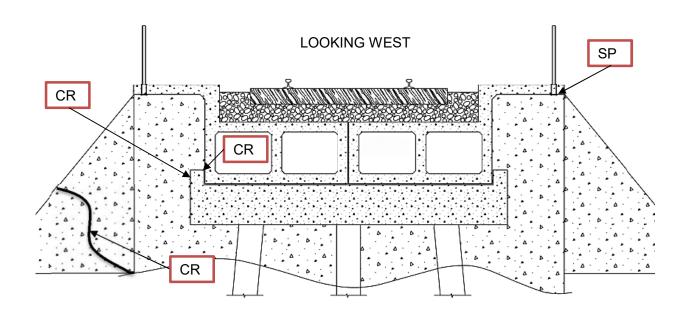




12/8/2020

#### MAINLINE/SUBDIVISION: VCTC

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



#### Remarks:

Inspected By:

- 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

Date Inspected:

Joseph Holste, PE





Inspected By:

		BRID	GE INSPECTIO	N REPORT	CONCRETE AB	BUTMENT	
	Alignment:	TANGENT	Vert. Clear:	6'-3"	Bridge No.		411.97
TAILS	- BENT NUM				Span Length:		
// : : :					NG EAST	S	P A A A A A A A A A A A A A A A A A A A
			L Concrete Caps	s, H14x89 pi	les	1	
		all - see photo					
Jnderm	ining SE balla	ast retainer - se	e photo				

Date Inspected:

12/8/2020

Joseph Holste, PE



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 Abutment 2 undermining SE Ballast retainer



411.97 Southwest wingwall cracking



411.97 Abutment 1 South keeper cracking



411.97 Girder 1 cracking at Abutment 1



411.97 Southeast Backwall Spall





				BRIDGE IN	ISPECTIO	ON REP	ORT			
						IN	SPECTION TYP	E:	Ann	iual
	STRU	JCTURE IN	IFORMATI	ON			INSPECTIO	N INFOF	RMATION	
Milepost	412.25				_	Date	8-Dec-20	Time	11:2	5AM
Location	Santa Paula B	ranch Line	_				or Name		seph Holst	_
	Saticoy, CA				<del>_</del>		one Number		303-501-12	
Stream	X (Unknow	n creek)	Overpass		_ Other	•			Ison & Cor	
	erating Speed:		_				_ ' '			
DECK	Type:		Number o			Visual (	Condition Rating		5	
	RAIL	Weight:	_	Type:	Jointed	-	ت Isual Condition I/	Rating:		
		Notes:		 paches east		-		J _		
	TIES	Type:	Timber				: 3 due to split tie	es		
		Notes:		_				-		
	<b>BALLAST</b>	Depth:	N/A	Ballast	t Conditio	n Rating	:			
		Notes:						_		
	DECK PLANKS	Type:	N/A		Conditio	n Rating	:	Notes:		
	<u>OTHER</u>	Type:			Conditio	n Rating	:	_		
SUPERS	TRUCTURE									
	Visual Condition	on Rating	5							
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size	
	• •		Approx Lr	ngth.		-	Concrete		Steel	
		Bridge:	Steel	`	(	-	Timber		Concrete	
		Type:	Truss	-		D	eck Girder		Through	
		71	Trestle			•	-		Girder	29'
			Num Spar	ns		1	Approx. S	ban Len	-	29'
		Notes:	•		Plate Gire			•	_	
									=	
SUBSTR	UCTURE									
CODOTIK	Visual Condition	on Rating		5						
	Bent:	Ü		Туре			– Notes	;		
	Abutment:		5	Type	Con	crete	– Notes			
	Wingwalls:			Type			– Notes			
	Embank			Type			– Notes			
	Footing			Туре			_ Notes			
	Inaccessible a	reas:		_			_			
STREAM	CHANNEL									
• · · · · · ·	Visual Condition	on Rating	5							
	Stream Depth	•	Scour Evi	dence	r	าด	_Moving Water		no	
	Notes	Minor ve	getation							
OVERAL	L RATING		Madi 5	) ni a nite :			Low Delante		V	
	High Priority	-	_Medium F	riority			_Low Priority		<u>X</u>	
ĺ										





	BRI	DGE INSPECT	ION REPORT	· SIEEL SII	<b>TUCIURE</b>		
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		
003 Rail	5	A01 East Abu	ıtment	5	M03		
004 Footwalk	N/A	A02 East Win	igwalls	5	M04		
D05 Handrail	N/A	A03 West Ab	utment	5			
D06 Floor Beams	5	A04 West Wir	ngwalls	5	Ov	erall Rating:	5
007 Ballast Curb	N/A	A05 Pier Cap		5			
			COMMENT	S			
Reference			_	Remark			
Walkway	No handrail d	or walkway					
Curb	Damage to ti	imber curb at e	ast end - see ph	oto			
	+						
		MAINTEN	IANCE RECOM	IMENDATION	S		
Priority		MAINTEN	IANCE RECON		S		
	Remove year			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 baches 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 braches 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  COND	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  COND	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  COND 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  COND uire bridge out operations, but	etation from un from around be aches both end rd timbers and s  ITION RATING of service ) t requires Flagn : Slow order m	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  COND uire bridge out operations, but with exceptions ems such as ( )	etation from un from around be aches both end rd timbers and s  ITION RATING of service ) t requires Flagn : Slow order m	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  COND uire bridge out operations, but with exceptions ems such as ( )	etation from un from around be aches both end rd timbers and s  ITION RATING of service ) t requires Flagn : Slow order m	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  COND  uire bridge out operations, but  with exceptions ems such as ( h exceptions	etation from un from around be aches both end rd timbers and s  ITION RATING of service ) t requires Flagn : Slow order m	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:



	BRID	OGE INSPEC	TION REPORT -	STEEL	STRUCTUR	RE/CONCRE	TE ABUTI	MENT	
an: 1	Alignment:	TANGENT	Vert. Clear:	7'-6"	Bridge No	0.		41:	2.25
TAILS-	ABUTMENT N	JMBER: 1			Span Len	gth:		30	)'-0"
	SP	BR A	GR	. D	NG WEST	GR		R IMP	SP
/ »		D		. D		D	. D .		>
۵ , ا	· A	D , A	Α Δ . Α	. D	Α , ,	D . A	· D .		> ,
,	*	,	,	,	•	,	*		
Δ,	΄ Δ΄	΄ Δ	΄ Δ	,	΄ Δ΄	΄ Δ	, ,	Δ ,	΄ Δ
emarks: DR - Abu BR - End	utment needs to	be cleared of show minor s	section loss due	to rust - s	ee photo				
SP - Spa	all along both wi	ingwalls - see	•	0					
	mulation and de pact damage to		r bottom flange						
11VIF - 1111	paci damage id	Girder Z 1168	II ADULINEIIL I						
									_

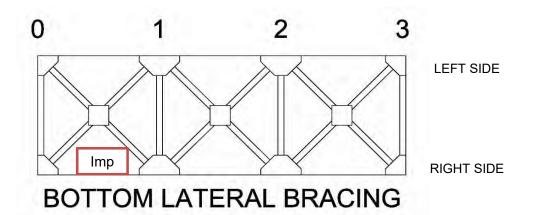
Date Inspected:

12/8/2020

Joseph Holste, PE







DIVISION	Santa Paula	SPAN LENGTH	29'	NUMBER OF TRACKS 1	
CROSSING	Cre	ek	TRACK ALIGNM	MENT TANGENT SPAN No. 1	
INSPECTION	FINDINGS				
Imp	Bay #1 right side	e cross bracing sho	ow signs of impac	et and slight deflection - see photo	
	Deb	ris build-up on bott	om flange, bearir	gs, and cross bracing	

Joseph Holste, PE 12/8/2020 Bridge Number: 412.25





BRIDGE INSPE	CTION REPORT STEEL S	STRUCTURE/CONCRETE ABUT	MENT
Alignment: TANGENT	Vert. Clear: 7'-6"	Bridge No.	412.25
DETAILS-ABUTMENT NUMBER: 2		Span Length:	
SP SP A A A A A A A A A A A A A A A A A	LOOKING		
Description: Thru Plate Girders, Con Remarks:  1. Abutment needs to be cleared of de 2. End bearing areas show minor secti 3. Pack rust at bearing plates - see ph 4. SP - Spalling along north wingwall	bris on loss due to rust		
Inspected By: Jo	oseph Holste, PE	Date Inspected:	12/8/2020



412.25 Looking East



412.25 Looking West



412.25 Looking North



412.25 Looking South



412.25 Channel Condition - Looking Upstream



412.25 Channel Condition - Looking Downstream



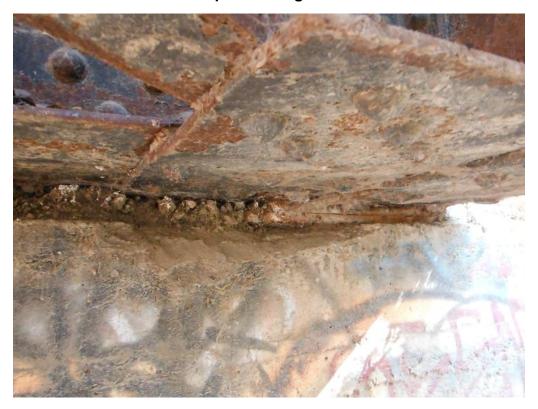
412.25 Damaged curbs at east end



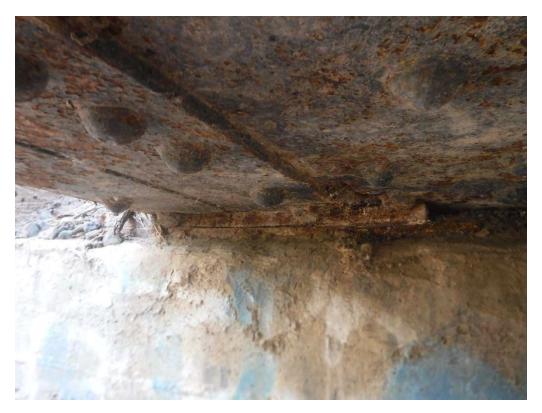
412.25 Split Tie



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	SPECTION TYP	E:	Ann	ual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	415.20				_	Date	8-Dec-20	Time	12:45	5 PM	-
Location	Santa Paula Bi	ranch Line	_			Inspecto		_	oseph Holst		-
	Santa Paula, C	A			_		ne Number		303-501-12		-
Stream	X (Draina		Overpass	i	Other	•		y \( \text{\sqrt{N}}	/ilson & Con		-
	erating Speed:				_ :: 15 mph		<u>.</u>			,	-
DECK	Туре:	Ballast	Number c	of Tks	1	Visual C	ondition Rating		3		
	RAIL	Weight:	80 #	Type:	Jointed	Vi	isual Condition	Rating:	3		
		Notes:	Low appre	oaches east	and west	•					
	<u>TIES</u>	Type:	Timber	Tie	Condition	n Rating:	5				-
		Notes:									
	<b>BALLAST</b>	Depth:	12 in	Ballast	Condition	n Rating:	3				-
		Notes:	Fouled ba	allast and ho	les in ball	ast - nort	h side				_
	DECK PLANKS	Type:	Timber		Condition	n Rating:	Unknown	Notes:	Buried		_
	<u>OTHER</u>	Type:			Condition	n Rating:					-
SUPERS <sup>-</sup>	TRUCTURE										
	Visual Condition	n Rating	7								
	Type:	Culvert:	Number b	arrels		Rou	und or Rect		Size		_
			Approx Lr	ngth.		C	Concrete		Steel		_
		Bridge:	Steel				Timber	15'	Concrete		_
		Type:	Truss			De	eck Girder		Through		_
			Trestle			X			Girder		_
			Num Spa	ns	,	1	Approx. S	Span Le	ngths _	13'9"	_
		Notes:	Ballas	st Deck Timb	oer Trestle	e - Built 1	950 - Inaccessi	ible	. <u>-</u>		_
SUBSTR											
	Visual Condition	n Rating		7			-				
	Bent:	-		_Type			Note				-
	Abutment:	-		Type	Concret	9	Notes	s			-
	Wingwalls:			_Type			Note	s			-
	Embank			_Type			Note	s			-
	Footing			_Type			. Note:	s			-
	Inaccessible ar	eas:	Unable to	inspect due	to silting						-
STREAM	CHANNEL	D ()	_								
	Visual Condition Stream Depth	-	Scour Evi	donco	n		Moving Water		no		
	Notes	Fully silte	_	dence		10	Moving Water		no		-
	140100	1 dily onto	74 111								-
											-
OVERAL	L RATING										
	High Priority		Medium F	Priority			Low Priority		Χ		
			=				<del>-</del>				





WAINEINE/OODDIVION		GE INSDECT	ION REPORT	TIMRED ST	RUCTURE	
Spans:	1	Alignment:	Tangent	Vert. Clear:	None Bridge No.	415.20
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage Overall Length:	15'
ENVIRONMENT		STRINGERS		2 6 (6).	B08 Sash Brace	N/A
E01 Scour	5	S01 Stringers		7	B09 Long Brace	N/A
E02 Channel	5	S02 Line Bolt		N/A	B10 Cap Long Brace	N/A
E03 Approach	3	S03 Bearing		7	B11 Shims	N/A
DECK	Ü	BENTS	<u> </u>		MISC. OTHER	14/7
D01 Ties (OD only)	5	B01 West Ba	ckwall	7	M01	
D02 Ties Spacers	N/A	B02 East Bac		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	5	B06 Posts		N/A	Overall Rating:	4
D07 Handrail	5	B07 Cross Br	aces	N/A	1	•
		<u> </u>		<u>-</u>	<u>'</u>	
Deference	1		COMMENT			
Reference	Mineral	a from fin-		Remark		
Structure	Minor charring		ained ass =b-+			
Wingwall Ballast		gwalls underm lst, west side -	nined - see photo	JS		
Ballast	Holes in balla	ist, west side -	see pnoto			
		MAINTEN	NANCE RECOM	MENDATION	<u>s</u>	
Priority				Description		
E03, B	Raise approa	ches				
D03, C		rail as tonnag	ne dictates			
S01, S03, B01, B02,			n or remove stru	ıcture		
B03, B04, D04	Excavato to o	mow mopodion	TO TOMOVO CAR	otaro		
D05, C	Repair wings					
D03, C	Repair Wings					
	CONDI.	TION RATING	<u> </u>		PRIORITY	
			•		FRIORITI	
<ol> <li>Failed (may requ</li> </ol>					A. Immediately	
2. Deficient: OK for o	perations, but	requires Flagr	man/Inspector fo	r all trains	B. Within 1 year	
until repaired.					C. Within 3 years	
3. Satisfactory but w					D. Within 5 years	
4. Worker Safety: ite	ms such as ( h	andrail, footwa	alk, etc.)		E. Within 10 years	
5. Good with minor e					M. Monitor, Condition may	y change &
6. New Bridge	-				- raise priority	. 5
7. Not inspected: Re	eason stated					
Inspected	d By:	J	loseph Holste, F	PΕ	Date Inspected:	12/8/202
		•			•	





<b></b>					TE ABUTMENT	1	
Span: 1 Alignme		Vert. Clear:	None	Bridge No			415.20
DETAILS - ABUT NU	JMBER: 1			Span Leng	ıth:		13'9"
Description: (12) 7"2 Remarks:  1. Bridge is silted in		Concrete Abut	LOOKING	2 5300053000	pth:		13'9"
Inspected By:	Jo	oseph Holste, PE		Da	te Inspected:		12/8/2020

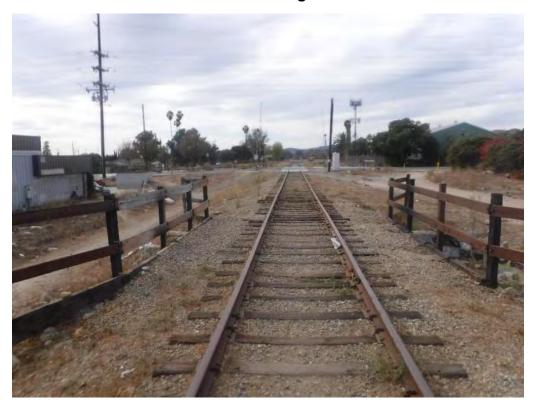




<u>.</u>	BRID	GE INSPECTION	REPORT	CONCRETE ABUTMENT	
Alignment:	TANGENT	Vert. Clear:	None	Bridge No.	415.20
DETAILS - ABUT NUM	BER: 2			Span Length:	
Description: (12) 7"x17 Remarks:		Concrete Abutn	LOOKING		
1. Bridge is silted in					
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/8/2020



415.20 Looking East



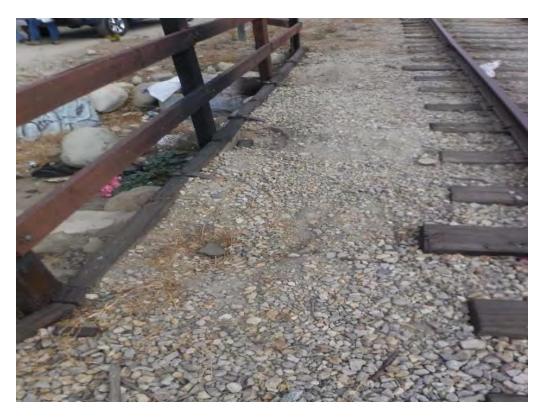
415.20 Looking West



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	ISPECTIO	ON REPO	ORT			
							SPECTION TYP	E:	Anr	nual
	STRU	CTURE IN	IFORMATI	ION			INSPECTIO	N INFO	RMATION	<del></del>
Milepost	415.32		•		_	Date	8-Dec-20	Time	1:00	)PM
Location	Santa Paula Br	ranch Line	-				or Name		oseph Holst	
Location	Santa Paula, C				_	-	one Number		303-501-1	
Stream	X (Draina		Overpass		Other	rolopilo			/ilson & Cor	
	erating Speed:		_				_	<u> </u>	110011 & 001	прану
DECK	Type:		Number o			Visual C	Condition Rating		5	
	RAIL	Weight:	80 #		Jointed	-	/isual Condition	-		
	<u> </u>	Notes:		_ oaches east		-		· · · · · · · · · · · · · · ·		
	TIES	Type:	Timber				: 5			
	<u>v</u>	Notes:		_ shifted east				_		
	BALLAST	Depth:	N/A		t Condition	n Rating:	3			
		Notes:		allast and lov		_		_		
	DECK PLANKS		N/A					Notes:		
	OTHER	Type:		_	Condition	_				
	<del></del>	. , , , ,						_		
SUPERS	TRUCTURE									
OOI LIKO	Visual Conditio	n Rating	7							
	Type:	_	Number b	arrels		Ro	und or Rect		Size	
	Type.	Odivort.	Approx Lr			-	Concrete		Steel	
		Bridge:	Steel	igui.		•	Timber	15'	Concrete	
		Type:	Truss			D	eck Girder		Through	
		Type.	Trestle			. X	cok Girdei		Girder	
			Num Spa	ne		1	Approx. S	Snan I er		13'-6"
		Notes:	•		er Trestle	- Built 1	940 - Inaccessik		iguis	10-0
		110103.					th pole camera)		•	
SUBSTR	LICTURE				,		,			
SUBSIK	Visual Conditio	n Rating		7						
	Bent:	ar r tating		Туре			– Notes	3		
	Abutment:			Type	Concret	e	_ Notes			
	Wingwalls:			_ Type	00110100		_ Notes	_		
	Embank			_ Type			_ Notes			
	Footing			Type			_ Notes			
	Inaccessible ar	eas:	Unable to	yps inspect due	to silting		_			
	maccoccibio ai	ouo.	Onabio to	mopoot dae	o to onting					
CTDEAM	CHANNEL									
SIREAM	CHANNEL Visual Conditio	n Rating	5							
	Stream Depth	0	Scour Evi	_ idence	r	10	Moving Water		no	
	Notes	Fully silte	_				99			
OVERAL	L RATING									
	High Priority		Medium F	Priority			Low Priority		Χ	





	BRII	OGE INSPECT	ION REPORT	TIMBER ST	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	None	Bridge No.	415.32
No. of Tks:	1	Deck Type:	Open	Br. Over:	Drainage	Overall Length:	15'
ENVIRONMENT		<b>STRINGERS</b>			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers	3	7	B09 Long	Brace	N/A
E02 Channel	5	S02 Line Bolt	ts	7	B10 Cap	Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	7	B11 Shim	S	N/A
DECK		BENTS			MISC. 01	HER	
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	Ove	erall Rating:	5
D07 Handrail	5	B07 Cross Br	aces	N/A			
			COMMEN	rs			
Reference	1		JOINIER	Remark			
Walkway	Walkway gra	te is hent from	being ran over		- see nhot	<u> </u>	
Abutment			ment 2 - see pl		- see priot	,	
	<u> </u>	MAINTEN	NANCE RECO	MENDATION	S		
Priority				Description			
D03	Replace rail	to match tonna	ge				
D06, A	Replace wall	way grating					
E03, B	Raise approa	aches					
S01, S03, B01, B02, B03, B04, D04	Excavate to	allow inspection	n or remove str	ucture			
	<u> </u>						
	COND	TION RATING				PRIORITY	
1. Failed (may requ	ire bridge out	of service)			A. Imm	ediately	
2. Deficient: OK for o			nan/Inspector f	or all trains		in 1 year	
until repaired.	,	,9.	,		-	in 3 years	
Satisfactory but w	ith exceptions:	Slow order m	ay be required.		1	in 5 years	
Worker Safety: ite	•				1	in 10 years	
5. Good with minor e	,		,/			nitor, Condition may	v change &
6. New Bridge						e priority	y originge &
7. Not inspected: Re	eason stated				14.0	- pey	
Inspected		.1	loseph Holste,	PE	D:	ate Inspected:	12/8/202
Пороско	<sub>J</sub> .		. 200 p.1 1 101010, 1	_		mopootou.	12131202





DETAILS - ABUT NUMBER: 1  LOOKING WEST  WW  M	5.32
LOOKING WEST  WW  M  A  A  A  A  A  A  A  A  A  A  A  A	3'6"
escription: (8) 8.5"x17.5" Stringers, Concrete Abutment	
temarks: . M - Headwall is missing material	
. WW - Walkway grating has been ran over and constitutes a tripping hazard, vegetation growing in front, major hazard - see	photo
Bridge is fully silted in	prioto



Inspected By:

Joseph Holste, PE



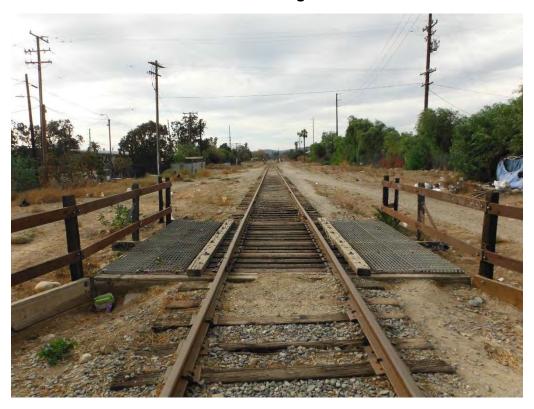
12/8/2020

	SE INSPECTION REPOR	T CONCRETE ABUTMENT	
Alignment: TANGENT	Vert. Clear: None	Bridge No.	415.32
DETAILS - ABUT NUMBER: 2		Span Length:	
	LOOKING	EAST Hole	
Description: (8) 8.5"x17.5" Stringers,	Concrete Abutment		
demarks:	Concrete Abutment		
Remarks: . Bridge is fully silted in			
temarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
temarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
Remarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
Remarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
Remarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
Remarks: . Bridge is fully silted in . Hole - Hole in ballast southeast corn	er		
Description: (8) 8.5"x17.5" Stringers, Remarks:  Bridge is fully silted in  Hole - Hole in ballast southeast corn Hole in soil behind abutment 2 - see	er		

Date Inspected:



415.32 Looking East



415.32 Looking West



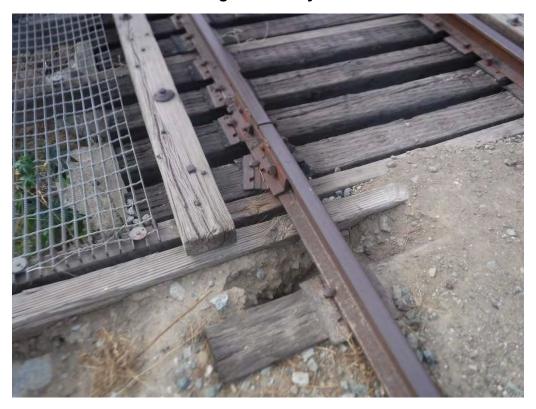
415.32 Looking North



415.32 Looking South



415.32 Damaged walkway – south side



415.32 Tie Plate Loose



415.32 Hole in Ballast, SE Corner



415.32 Hole in soil behind Abutment 2





				BRIDGE IN	SPECTION	ON REPO	ORT				
						INS	SPECTION TYPE	Ξ: [	Anr	nual	
	STRU	CTURE IN	IFORMATION		INSPECTION INFO			ORMATION			
Milepost	415.59					Date	9-Dec-20	Time	9:30	DAM	1
Location	Santa Paula Bi	ranch Line	-			Inspecto	or Name	Jo	oseph Hols	te, PE	•
	Santa Paula, C	A					ne Number		303-501-1	215	•
Stream	X (Santa Pau	la Creek)	Overpass		Other		Company	W	/ilson & Cor	mpany	•
Train Ope	erating Speed:	Freight:	10 mph	Passenge	r: 15 mph		_				•
DECK	Type: Open/Ba	allast	Number o	of Tks	1	Visual C	Condition Rating	_	5		
	<u>RAIL</u>	Weight: Notes:	80 #	_Type:	Jointed	. \	isual Condition F	Rating:	5		
	TIES	Type:	Timber	Tie	e Condition	n Rating:	5				•
	TIEU	Notes:	Timber		Condition	Trialing.		-			=
	<b>BALLAST</b>	Depth:	12 in (TP	<u>G</u> ) Ballas	t Conditio	n Rating:	3	_			
		Notes:	Low Balla	st							_
	DECK PLANKS	Type:	N/A	_	Conditio	n Rating:	:	Notes:			-
	<u>OTHER</u>	Type:	Steel balla	ast retainer	_Conditio	n Rating:	5	-			
SUPERS	TRUCTURE										
	Visual Condition	n Rating	5								
	Type:	Culvert:	Number b	arrels		Ro	und or Rect		Size		
			Approx Lr	ngth.			Concrete		Steel		•
		Bridge:	Steel	>	<	_	Timber		Concrete		_
		Type:	Truss	10	00'	D	eck Girder		Through		-
			Trestle			-			Girder	66'-8"	_
			Num Spar	ns		2	Approx. S	pan Ler	ngths	166'-8"	-
		Notes:		Thru P	late Girde	r and Th	ru Truss				-
SUBSTR	UCTURE										
	Visual Condition	n Rating		5			_				
	Bent:		5	Type	Concret	е	Notes				_
	Abutment:		5	Type	Concret	е	Notes				_
	Wingwalls:			Туре			Notes				_
	Embank			_Type			Notes				_
	Footing			_Type			Notes				-
	Inaccessible ar	reas:									-
STREAM	CHANNEL										
	Visual Condition	n Rating	5	_							
	Stream Depth	1'	Scour Evi	dence	r	10	_Moving Water		yes		_
	Notes										-
											-
OVERAL	L RATING		=								
	High Priority		Medium F	riority			_Low Priority		X	ı	





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		A07					
E02 Channel	5			5	A08				
E03 Approach	5	S03 Bottom Lateral Braces		5	A09				
DECK		S04 Cross Braces 5			MISC. OTHER				
D01 Ties (OD only)	N/A	S05 Bearings 5			M01				
D02 Ties Spacers	N/A	ABUTMENTS & PIERS			M02				
D03 Rail	5	A01 East Abutment N/A M03							
D04 Footwalk	5	A02 East Win	gwalls	N/A	M04				
D05 Handrail	N/A	A03 West Abu	utment	5					
D06 Floor Beams	5		A04 West Wingwalls 5 Overall Rating:			5			
D07 Ballast Curb	5	A05 Pier Cap		5					
COMMENTS									
Reference				Remark					
Structure	Minor rust at I	oottom chord o	connection plate						
Fence			- pier 2 - see pho	oto					
Approach	Low ballast w								
Vagrant			reach west of st	ructure - see r	photo				
vagrant	vagrant activi	ty and follows	104011 11001 01 01	ractare coep	711010				
	<u> </u>	MAINTEN	ANCE RECOM	MENDATION	S				
Priority				Description					
	001151	TION DATING			1	DDIODITY			
	CONDI	TION RATING				PRIORITY			
1. Failed (may requi	re bridge out o	of service)			A. Imm	ediately			
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains				B. Within 1 year					
until repaired.					C. Within 3 years				
Satisfactory but with exceptions: Slow order may be required.					D. Within 5 years				
4. Worker Safety: items such as ( handrail, footwalk, etc.)					E. Within 10 years				
5. Good with minor exceptions					M. Monitor, Condition may change &				
6. New Bridge						e priority	- <del>-</del>		
7. Not inspected: Reason stated									
Inspected	l By:	J	oseph Holste, Pl	E	Da	ate Inspected:	12/9/2020		

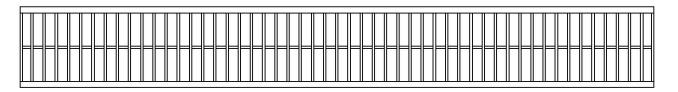




	BRIDGE INSPEC	CTION REPORT	STEEL S	TRUCTURE/CONCRETE	ABUTMENT
Span: 1	Alignment: TANGENT	Vert. Clear:	25'+	Bridge No.	415.59a
DETAILS -	ABUT NUMBER: 1			Span Length:	66'8"
			Looking	West	
Descriptio	on: Thru Plate Girders, Cor	acrete Abutmen			
Remarks:	···· ···· ··· · · · · · · · · · · · ·		-•		
	earings at abutment				
	pallast near first knee brace				
Inspec	cted By: Jo	seph Holste, PE		Date Inspected:	12/9/2020



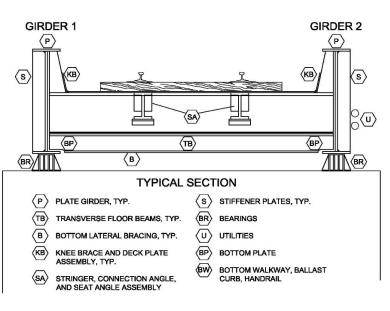




LEFT SIDE

**RIGHT SIDE** 

#### **BOTTOM LATERAL BRACING**



DIVISIO	N	Santa	a Paula	SPAN LENGTH	66'-8"
NUMBER	NUMBER OF TRACKS		1	CROSSING	Santa Paula Creek
TRACK	ALIGNN	MENT	TANGENT	SPAN No.	1
INSPECTION	ON FINI	DINGS			
		Gro	ut pad crack	xed under bearing at pier 2 -	see photo

Inspected by: Joseph Holste, PE Date: 12/9/2020 Bridge Number: 415.59a

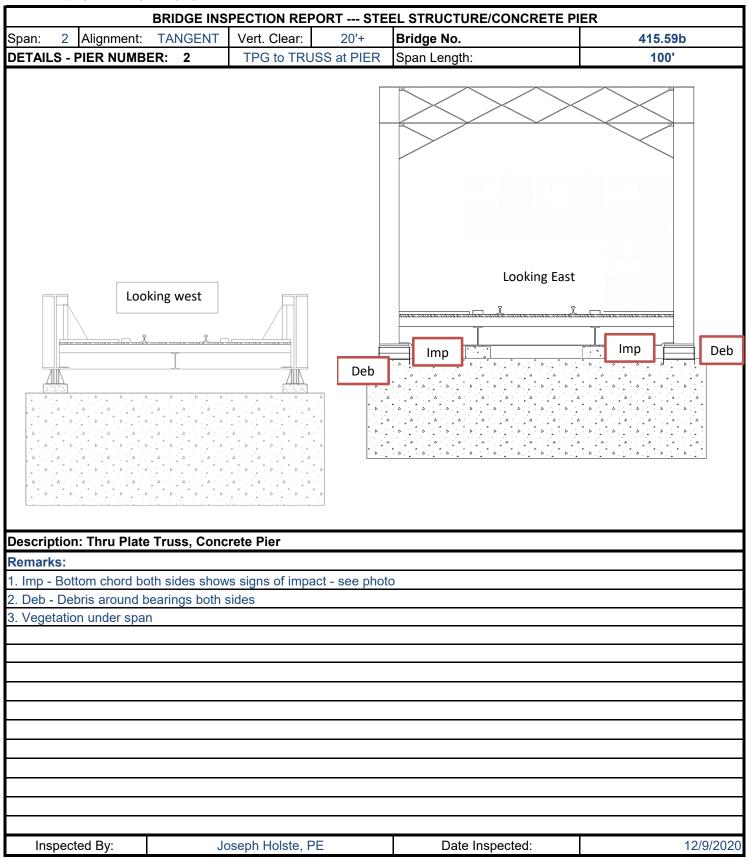




	BRID	GE INSPECT	ION REPORT -	STEEL STR	UCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	15' +-	Bridge No.	415.59b
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Creek	Overall Length:	100'
ENVIRONMENT		GIRDERS			A06 Pier S	Shaft	5
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late		5	80A		
E03 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	rom debris	. Most are minor v	vith
	a couple mod	erate - see ph	oto				
S05	Debris in bear	rings					
D03 Guard Rail	Material betw	een inside gua	ırd rail and runni	ng rail both er	nds, both s	ides	
		MAINTEN	IANCE RECOM	MENDATION:	S		
Priority				Description			
S05, B	Clean bearing	ıs		Description			
D03, B			nside guard rail a	and running ra	ail both and	ls hoth sides	
E02, B		tation under s		and running to	III DOUT CITO	is, pour sides	
E02, B	Repair fence		puli				
M	Monitor botto						
IVI	TOTAL DOLLO	11 0110103					
	CONDI	TION RATING				PRIORITY	
1. Failed (may requi			, , ,			ediately	
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains						in 1 year	
until repaired.	lla avaa	Clave and an				in 3 years	
3. Satisfactory but wit	•					in 5 years	
4. Worker Safety: iter		andraii, tootwa	іік, етс.)		1	in 10 years	
5. Good with minor ex	xceptions					itor, Condition ma	y change &
6. New Bridge	acan atatad				- raise	e priority	
7. Not inspected: Re		1	ocoph Holeta D	=		ata Inanastadi	12/0/2020
Inspected	ъу.	J	oseph Holste, P		l Da	ate Inspected:	12/9/2020

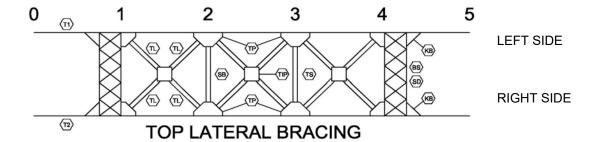


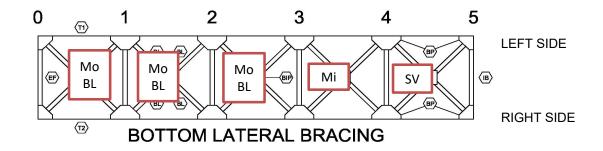




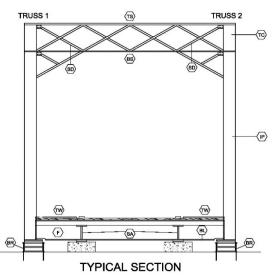








DIVISION	Santa Paula	SPAN LENGTH	100'	NUMBER OF TRACKS 1			
CROSSING	Santa Pa	ula Creek	TRACK ALIGNI	MENT TANGENT SPAN No. 2			
INSPECT	ION FINDINGS						
BL, SV		Bottom laterals of	of bay #5 show mo	ost severe damage			
BL, Mo		Bays #1 - #3 have	e moderate to sev	vere impact damage			
BL, Mi	Bay #4 and #5 has minor impact damage						



BC BOTTOM CHORD GP GUSSET PLATE SP STRINGER LATERAL PLATE BIP BOTTOM LATERAL INTERSECTION PLATE HANGER SS STRINGER STRUT (BL) BOTTOM LATERALS (IB) INTERMEDIATE FLOORBEAM T1 TRUSS 1 - LEFT SIDE (BP) BOTTOM LATERAL PLATE (IP) INTERMEDIATE POST TRUSS 2 - RIGHT SIDE BR BEARINGS TC TOP CHORD KB KNEE BRACE TOP LATERAL INTERSECTION PLATE BS SWAY BRACING - BOTTOM STRUT S1 STRINGER 1 - LEFT SIDE D DIAGONALS TL TOP LATERALS STRINGER 2 - RIGHT SIDE

(EF) END FLOORBEAM

STRINGER, CONNECTION ANGLE, AND SEAT ANGLE ASSEMBLY EP END POST TS SWAY BRACING - TOP STRUT SWAY BRACING TW TOP WALKWAY, BALLAST CURB, AND HANDRAIL F FLOORBEAM SD SWAY BRACING - DIAGONALS FB FLOORBEAM BRACKET AND CONNECTION ANGLE ASSEMBLY SL STRINGER LATERALS

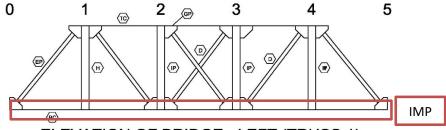
Joseph Holste, PE Inspected by:

TP TOP LATERAL PLATE

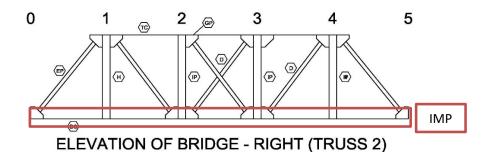
Bridge Number: 415.59b 12/9/2020 Date:



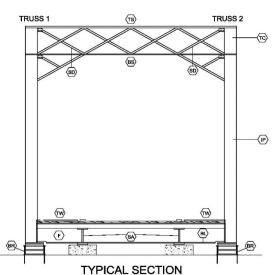




**ELEVATION OF BRIDGE - LEFT (TRUSS 1)** 



DIVISION	Santa Paula	SPAN LENGTH	100'	NUMBER OF TRACKS 1
CROSSING	Santa Pa	ula Creek	TRACK ALIG	NMENT TANGENT SPAN No. 2
INSPECT	ON FINDINGS			
IMP		Right BC of	bay 3 has a g	ash - see photo
IMP	Bays	1 - 3, and 5 have i	moderate to se	evere impact damage on BC
IMP		Bay 4 has minor	to moderate in	mpact damage to BC



(BR) BEARINGS (KB) KNEE BRACE (TC) TOP CHORD
(BS) SWAY BRACING - BOTTOM STRUT (St) STRINGER 1 - LEFT SIDE (TI) PLATERAL INTERSECTION PLATERAL INTERSECTION PLATERAL INTERSECTION (TI) TOP LATERALS

(E) END FLOORBEAM (S) STRINGER, CONNECTION ANGLE.
AND SEAT ANGLE ASSEMBLY
(T) TOP LATERAL PLATE
(E) END POST (S) SWAY BRACING .
(T) SWAY BRACING .
(T) TOP WALKWAY, BALLAST CURB,
AND HAMPRALL

FB FLOORBEAM BRACKET AND CONNECTION ANGLE ASSEMBLY SL STRINGER LATERALS

Inspected by: Joseph Holste, PE

Date: 12/9/2020

Bridge Number: 415.59b





BF	RIDGE INSPE	CTION REPORT	STEEL	STRUCTURE/CONCRETE A	BUTMENT
Alignment:	TANGENT	Vert. Clear:	15'+	Bridge No.	415.59b
DETAILS - ABUT NUME	BER: 3			Span Length:	
	Deb		Looking Ea		Deb
Description: Thru Plate Remarks:	, , , , , , , , , , , , , , , , , , , ,				
1. Deb - Debris around N	NE and SE bea	aring - see photo			
_					
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/9/2020



415.59 Looking East



415.59 Looking West



415.59 Looking North



415.59 Looking South



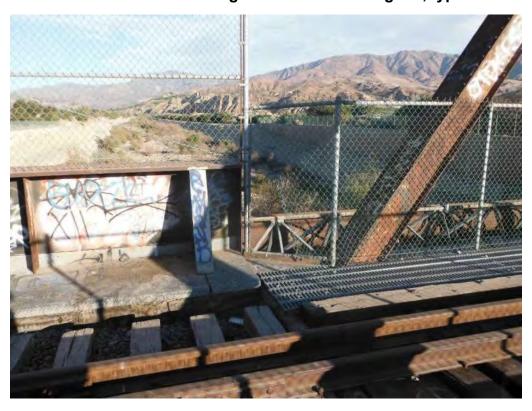
415.59 Channel Condition. Looking upstream



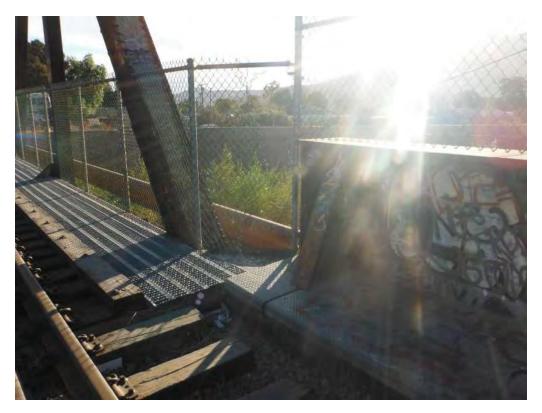
415.59 Channel Condition. Looking downstream



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 Gash in right bottom chord, Bay 3.



415.59 Debris at NE & SE Bearings



415.59 Vagrant activity and fence breach west of structure





				BRIDGE IN	NSPECTIO	N REPC	RT			
						INS	SPECTION TYP	E:	Annual	
	STRU	CTURE IN	IFORMAT	ION			INSPECTIO	N INFO	RMATION	
Milepost	415.69					Date	9-Dec-20		10:00 AM	-
Location	Santa Paula Br	anch Line	-					_	oseph Holste, PE	_
200411011	Santa Paula, C				_		ne Number		303-501-1215	_
Stream	X (Ferris			<u> </u>	Other	rolopiio			Vilson & Company	_
	erating Speed:		_				_ Company		vilour a company	_
DECK	Type:						ondition Rating		5	
DEGIN	RAIL		_	Type:		-	isual Condition			
	IVIL	_		rypo. roach Iow. E	_	-		rtating.		
	TIES	Type:		Tie						_
	IILO	Notes:		 split - see pl		i italiig.		_		
	DALLAST		12 in		t Condition	Doting:	5			_
	<u>BALLAST</u>	Depth:	12 111	_ Dallas	t Coridition	i Kaung.	5	_		
	DECK DI ANKS	Notes:	Timbor		Condition	. Doting:	2	Notoo	· Dot w/balloot aboving	_
	DECK PLANKS		Timber	_				_	Rot w/ballast showing	<u> 1</u>
	<u>OTHER</u>	Type:			_Condition	i Kaling.		_		
0110500										
SUPERS	TRUCTURE	Б. "	0							
	Visual Conditio					_	. 5 .		0'	
	Type:	Culvert:	Number b			•	und or Rect		Size	_
			Approx L	ngth.		•	Concrete	4-1	Steel	_
		Bridge:	Steel			•	Timber	45'		_
		Type:	Truss			•	eck Girder		Through	
			Trestle						Girder	
			Num Spa				Approx. S	Span Le	ngths <u>15',15',14'</u> -	<u>-6"</u>
		Notes:		Ballast De	eck Timber	r Trestle -	- Built 1959		<u>-</u>	_
OUDOTO	HOTUBE									
SUBSTR	Visual Conditio	n Rating		5						
	Bent:	Trading	5	Type		crete	Notes			
	Abutment:		5	Type Type		crete	•			-
	Wingwalls:		3	Type Type	-	crete	Notes	` <u> </u>		-
	Embank		3	_ туре Туре		Gete				
	Footing			_ Type Type			. Notes Notes			-
	Inaccessible ar			_ Type	-		. Notes	·——		-
	maccessible ar	eas.								_
STREAM	CHANNEL	n Detina	NI/A							
	Visual Conditio Stream Depth	•	N/A Scour Ev	<u> </u>			Moving Water			
	Notes		_00001 LV	iderice			Woving Water			-
										_
OVERAI	L RATING									
J . E. WAL	High Priority	Х	Medium F	Priority			Low Priority			
	3,	-	_	,						
ľ										



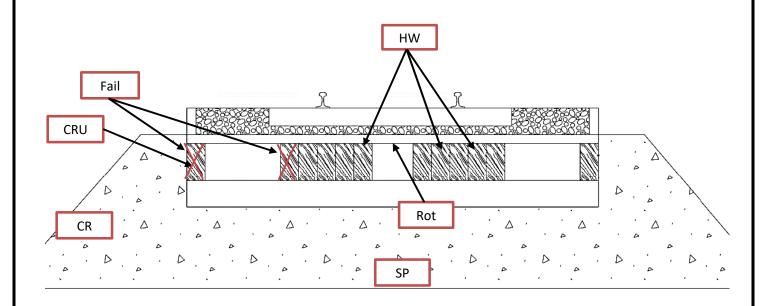


	BRII	DGE INSPECT	ION REPORT	TIMBER ST	RUCTUR	E	
Spans:	3	Alignment:	Tangent	Vert. Clear:	6'-7"	Bridge No.	415.69
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Ferris R	d. Overall Length:	45'
ENVIRONMENT		STRINGERS			B08 Sas	h Brace	N/A
E01 Scour	N/A	S01 Stringers	3	3	B09 Lon	g Brace	N/A
E02 Channel	N/A	S02 Line Bolt		N/A		Long Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	3	B11 Shi	<u> </u>	N/A
DECK		BENTS	<u>.                                    </u>		MISC. C	THER	
001 Ties (OD only)	N/A	B01 West Abu	tment & Wingwalls	3	M01		
002 Ties Spacers	N/A	B02 East Abut	ment & Wingwalls	3	M02		
003 Rail	3	B03 Caps	-	5	M03		
004 Ballast Floor	3	B04 Pierwalls	<u> </u>	5	M04		
005 Ballast Retainer	5	B05 Framed	Bents	N/A			
006 Footwalk	N/A	B06 Posts		N/A	0	verall Rating:	3
007 Handrail	N/A	B07 Cross Br	races	N/A			
	•	-1	COMMENTS		41-	•	
Deference			COMMENTS				
Reference	All winessells	Jooning	photo	Remark			
Wingwall		leaning - see		ortical alaara	200 si== 1	o 6' 10"	
Utilities			st end, change v	ertical clearal	nce sign i	0 6-10"	
D04		rotten and faili		"O O "O O			
S01				ns #2 & #3. Str	ingers fail	ed/rotten/crushing mos	t spans
Drainage	Poor drainag	je under structu	ure				
		MAINTEN	NANCE RECOMI	MENDATION	S		
Priority				Description			
E03, B	Raise east a	pproach					
D03			ection as tonnage	dictates			
B01, B02, B	Repair wing		<u></u>				
S01, A		ed/rotten/crushi	na stringers				
D04, A		ed deck planks					
201,71		•	spection (3 month	ıs) to assure t	he bridge	is functional until re	nairs are
			er of 10 mph be	,		io idilotional diffinito	paire are
	made along	war a didw dra	or or to inpiribo	pidoda dir tiro	bridge.		
	COND	ITION RATING	i			PRIORITY	
1. Failed (may requ	uire bridge out	of service )			Δ Imi	nediately	
<ol> <li>Failed (may requ</li> <li>Deficient: OK for or</li> </ol>			man/Inspector for	all trains	1	thin 1 year	
until repaired.	operations, bu	requires Flagi	nan/mapecior ioi	all li all 15		thin 3 years	
3. Satisfactory but w	ith exceptions	· Slow order m	ay he required				
•	•		-		1	thin 5 years	
4. Worker Safety: ite	,	ianurali, footwa	aik, etc.)			thin 10 years	
5. Good with minor e	exceptions					onitor, Condition may	/ change &
6. New Bridge	oooon stated				- rai	se priority	
7. Not inspected: Re		1	looonb Helete Di	_	-	Ooto Inonostadi	40/0/00
Inspecte	u by.	J	loseph Holste, Pl		<u> </u>	Date Inspected:	12/9/20





	BRIDGE INSPECTION REPORT CONCRETE ABUTMENT						
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 #3, #5, and #7 are hollow
- 3. Fail Stringer #11 is failed and is crushing 1/2" 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:	12/9/2020





E	RIDGE INSPEC	TION REP	ORT CONCRETE PIER	
ın: 2 Alignment: TANGENT	Vert. Clear:	6'-7"	Bridge No.	415.69
TAILS - PIER NUMBER: 2			Span Length:	15'
	Fail )	HW	] =00,0000230002300023	
D D	Spl	. ▷ .	Dec Dec	· D
· A .	΄ Δ ΄		Δ ' Δ	· · · Δ
D	· ,	, ▷ ,	, , , , ,	, D ,

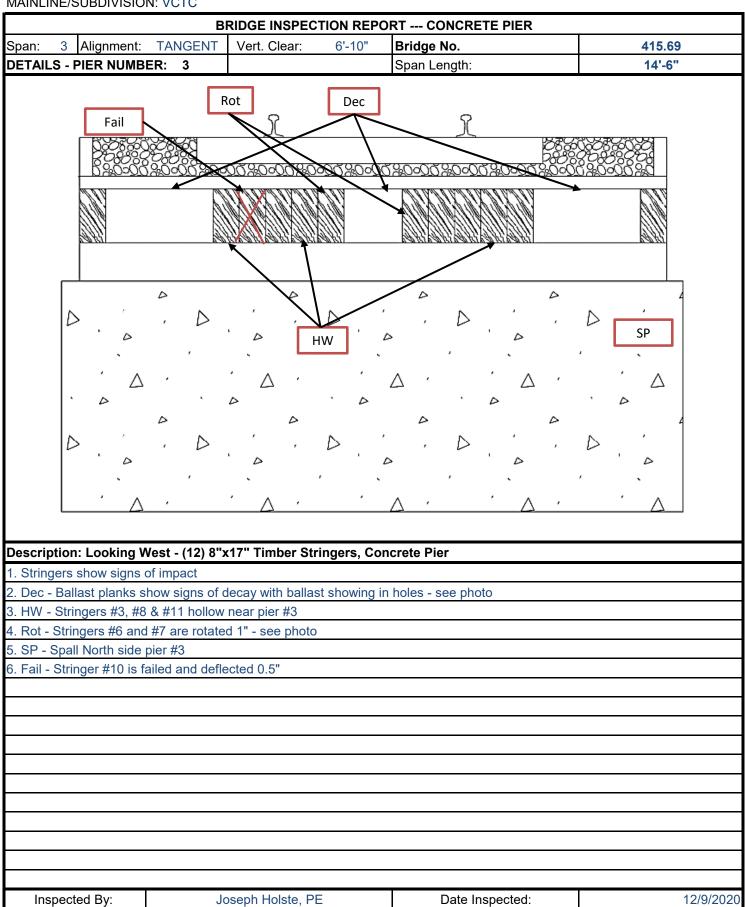
#### Description: Looking West - (12) 8"x17" Timber Stringers, Concrete Pier

- 1. SP Minor spalls on pier see photo
- 2. Signs of minor hits on chord and ballast stringer see photo
- 3. Dec Ballast planks are showing signs of decay with ballast showing in holes
- 4. HW Stringer #8 is 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 2" see photo
- 9. Stringers #6 and #7 are rotated

Inspected By:	Joseph Holste, PE	Date Inspected:	12/9/2020











	BRID	GE INSPECTIO	N REPORT	CONCRETE ABUTMENT	
Alignment:	TANGENT	Vert. Clear:	6'-7"	Bridge No.	415.69
DETAILS - ABUT NUMB	ER: 4			Span Length:	
CRU D. A.		S S S S S S S S S S S S S S S S S S S	2000220003		
Description: Looking E		17" Timber Strii	ngers, Cond	crete Abutment	
<ol> <li>Minor spalls in abutme</li> <li>Cracking and spall in v</li> </ol>		e nhoto			
2. Cracking and spairin v 3. CRU - Stringer 1 crush					
o. Orto - Sumger i ciusi	ing at abutifie	ліст			
Inspected By:		oseph Holste, PE	-	Date Inspected:	12/9/20



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



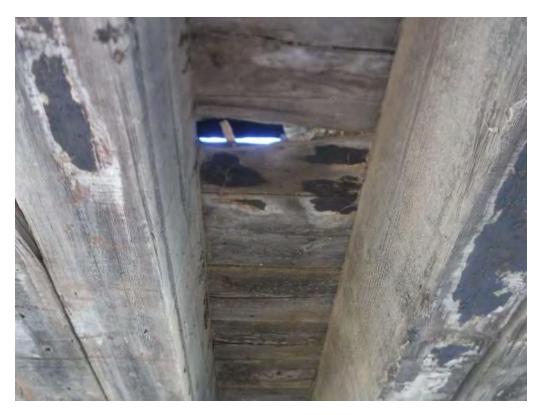
415.69 Stringer 11 crushing - Pier 2



415.69 Spall North Side of Pier 2



415.69 Stringer 10 deflected 3" - Span 2



415.69 Hole in deck planks - 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





				BRIDG	E IN	SPECTIO	N REPC	ORT			
							INS	SPECTION TYP	E:	Annual	
	STRUCTURE INFORMATION						INSPECTION INFORMATION				
Milepost	415.79		_	_		-	Date	8-Dec-20			
Location	Santa Paula Br	anch Line	=					or Name	_	oseph Holste, Pl	
	Santa Paula, C					=		ne Number		303-501-1215	
Stream	,		Overpass		_			y Wilson & Compa		ny	
	erating Speed:	Freight:	-		nger	_		<u> </u>		'	
DECK	Type:						Visual C	ondition Rating		5	
	RAIL		80#			Jointed	0	isual Condition			
		Notes:		_ ′′			•		Ū		
	TIES	Type:	Timber		Tie	Condition	n Rating:	3			
		Notes:	Mostly sp	lit					_		
	<b>BALLAST</b>	Depth:	9"	Ва	llast	Condition	n Rating:	3			
		Notes:	Fouled ba								
	DECK PLANKS	Type:	Timber			Condition	n Rating:	5	Notes:		
	<u>OTHER</u>	Type:				Condition	n Rating:				
SUPERS <sup>*</sup>	TRUCTURE										
	Visual Conditio	n Rating	7	_							
	Type:	Culvert:	Number b	arrels			Rou	und or Rect		Size	
			Approx Lr	ngth.			(	Concrete		Steel	
		Bridge:	Steel				•	Timber	16'-5"	Concrete	
		Type:	Truss				De	eck Girder		Through	
			Trestle				Χ			Girder	
			Num Spa	ns			2	Approx. S	Span Le	ngths <u>7</u>	<u>'-6"</u>
		Notes:			Balla	ast Deck	Γimber Τι	restle			
SUBSTR	LICTURE										
SUBSTR	Visual Conditio	n Rating			7						
	Bent:	•	7	Туре		Mudsill	-Timber	- Notes	S	Bent #2	
	Abutment:		7	Type			crete			Abut #1 & #3	
	Wingwalls:		•	Type						71.541 71 4 710	
	Embank			Type				Notes	- s		
	Footing			Type				Notes	- s		
	Inaccessible ar	eas:	Abutment		ers a	are mostly	/ silted in				
				'		•	'				
STREAM	CHANNEL										
OTKLAN	Visual Conditio	n Rating	N/A								
	Stream Depth	-	Scour Evi	dence				Moving Water			
	Notes								'		
OVERAL	L RATING		Madi: 5	)!! #.				Law Data 11			
	High Priority		Medium F	riority			X	Low Priority			





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				N/A		
E01 Scour	N/A	S01 Stringers 7			B09 Long Brace N/A			
E02 Channel	N/A	S02 Line Bolt		N/A	B10 Cap Long Brace N/A			
E03 Approach	3	S03 Bearing	@ Cap	7	B11 Shims N/A			
DECK		BENTS			MISC. OT	HER		
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	7	M01			
D02 Ties Spacers	N/A	B02 East Bac	ckwall	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			
D07 Handrail	N/A	B07 Cross Br	aces	N/A				
			COMMENT		<del></del>		-	
Reference				Remark				
Utility	18"CIP 6' bel	ow top of tie le	eft side plugged,		w existing	ground line		
Ties	Ties are in po					9		
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" cu	lverts, need hvo					
D03	_	Replace with 3 to 4 - 16" culverts, need hydrology study  Replace rail with heavier section as tonnage dictates						
D05, B	Repair ballas							
E03, B	Add ballast to	-						
S01, B	Clean channel to allow inspection							
,								
	CONDI	TION RATING	)			PRIORITY		
1. Failed (may requ	uire bridge out (	A. Immediately						
2. Deficient: OK for o		B. Within 1 year						
until repaired.		C. Within 3 years						
Satisfactory but w	ith exceptions:	Slow order m	av be required		D. Within 5 years			
Worker Safety: ite				E. Within 10 years				
5. Good with minor e	,	M. Monitor, Condition may change &						
6. New Bridge	2,00ptions		nor, Condition ma e priority	y change &				
7. Not inspected: Re	eason stated	Taise	- P.1.01113					
Inspecte			Joseph Holste, F	PE	Da	ite Inspected:	12/8/2020	
Inspecte	a By:	Da	ite Inspected:	12/8/20				





		BRID	GE INSPECTION	N REPORT	CONCRETE ABUTMENT	
Span: 1	Alignment:	TANGENT	Vert. Clear:	1'	Bridge No.	415.79
DETAILS -	ABUT NUME	BER: 1			Span Length:	7'-6"
2	CR					
Description	n: Looking W	/est - (12) 11-	3/4"x11-3/4" Tin	nber String	ers, Concrete Abutment	
	cked stringer	retainer				
	t inspect due					
	·	-				
					<u> </u>	
					Γ	
Inspec	ted By:	Jo	seph Holste, PE		Date Inspected:	12/8/202





			BRIDGE INSPEC	TION REP	ORT TIMBER BENT	
Span: 2 Alignmer	t: TAN	NGENT	Vert. Clear:	1'	Bridge No.	415.79
DETAILS - BENT NUI	MBER:	2			Span Length:	7'-6"
Description: Looking Remarks:	west -	- (12) 11-	3/4 X11-3/4 11n	nber String	ers, Timber Bent	
1. Possible supported	on mud	Isill				
Could not inspect d						
Sould Hot mopout u	2.0 10 011	9				
Inspected By:	1	Jo	oseph Holste, PE		Date Inspected:	12/8/2020





	BRID	GE INSPECTION REPORT	Γ CONCRETE ABUTMENT	
Alignment:	TANGENT	Vert. Clear:	Bridge No.	415.79
DETAILS - ABUT NUME	BER: 3		Span Length:	
CR			\$ 200 \$ 8 200 \$ 8 200 \$ 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8 5 8	
	ast - (12) 11-	3/4"x11-3/4" Timber String	gers, Concrete Abutment	
Remarks:				
1. CR - Cracked stringer				
2. Could not inspect due	to silting			
Inspected By:	Jo	oseph Holste, PE	Date Inspected:	12/8/2020



415.79 Looking East



415.79 Looking West



415.79 Looking North



415.79 Looking South



415.79 Low ballast – East approach





				BRIDGE	INSPECT	ION REP	ORT					
						IN	ISPECTIO	N TYPI	Ξ: [	Anr	nual	]
	STRU	CTURE IN	IFORMATI	ON			INSP	ECTIO	N INFO	RMATION		
Milepost	415.82					Date	8-De	c-20	Time	1:30	) PM	•
Location	Santa Paula Br	anch Line	-			Inspec	tor Name		Jo	oseph Hols		-
	Santa Paula, C	A .					one Numb	er		303-501-1	215	-
Stream			Overpass		Other	X	Co	mpany	W	/ilson & Co	mpany	-
Train Ope	erating Speed:	Freight:	10 mph	Passenç	ger: 15 mp	h						-
DECK	Type:	Ballasted	Number o	f Tks	1	Visual	Condition I	Rating	_	5		
	RAIL	Weight:	80#	Type:	Jointe	d	Visual Con	ndition F	Rating:	3	•	
		Notes:			-							_
	<u>TIES</u>	Type:	Timber	_	Tie Conditi	on Rating	g: <u>5</u>	)	_			_
		Notes:										_
	<b>BALLAST</b>	Depth:	9"	Balla	ast Conditi	on Rating	g: <u>5</u>	)	_			
		Notes:										_
	<b>DECK PLANKS</b>	Type:	Timber	_	Conditi	on Rating	g: <u> </u>	)	Notes:			_
	<u>OTHER</u>	Type:			Conditi	on Rating	j:		-			
SUPERS	TRUCTURE											
	Visual Conditio	n Rating	5									
	Type:	•	Number b	– arrels		Re	ound or Re	ect		Size		
	<b>31</b>	-	Approx Lr		-		Concrete			Steel		-
		Bridge:	Steel	5	-		Timber		15'-11"	Concrete		-
		Type:	Truss			_ [	Deck Girde			Through		-
		<b>,</b> ,	Trestle			X				Girder		
			Num Spar	ns		2		prox. S	pan Ler	ngths	7'-7"	-
		Notes:		Ballast I	Deck Timb	er Trestle	e - Built 19	58				- -
SUBSTR	UCTURE											
оовотк	Visual Conditio	n Rating			3							
	Bent:	J	3	Туре	Т	imber	<del>_</del>	Notes	Bent #2	2- Stringers i	not bearing o	on cap
	Abutment:		5	Type	Co	ncrete				Abut #1 &		-
	Wingwalls:		3	Type	Co	ncrete						-
	Embank			Туре	-			Notes				-
	Footing			Туре	-			Notes				
	Inaccessible ar	eas:										- -
CTDE A M	I CHANNEL											
SIKEAW	Visual Conditio	n Rating	N/A									
	Stream Depth	•	Scour Evi	dence			Moving \	Water				
	Notes											<del>-</del> -
												-
OVERAL	L RATING											
	High Priority		Medium F	Priority			_Low Pric	ority		Х	<u>.</u>	





WAINEINE/OODDIVION		GE INSDECT	ION REPORT	TIMBED ST	PLICTUPE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	4' Bridge No.	415.82		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage Overall Length:	15'-11"		
ENVIRONMENT	·	STRINGERS		Br. Over.	B08 Sash Brace	N/A		
E01 Scour	5	S01 Stringers		5	B09 Long Brace	N/A		
E02 Channel	5	S02 Line Bolt		N/A	B10 Cap Long Brace	N/A		
E03 Approach	3	S03 Bearing		3	B11 Shims	N/A		
DECK	3	BENTS	<u>w</u> Cap	3	MISC. OTHER	IN//A		
D01 Ties (OD only)	N/A		tment & Wingwalls	3	M01			
D02 Ties Spacers	N/A		ment & Wingwalls	3	M02			
D03 Rail	3	B03 Caps	ment & Wingwans	5	M03			
D04 Ballast Floor	5	B04 Pier		3	M04			
D05 Ballast Retainer	3	B05 Framed	Rente	N/A	IVIO4			
D06 Footwalk	N/A	B06 Posts	Denis	N/A	Overall Rating:	3		
D07 Handrail	N/A	B07 Cross Br	aces	3	Overall Rating.	3		
Dor Haridian	14/74	D07 01033 D1			<u>                                     </u>			
	_		COMMENTS					
Reference				Remark				
Wingwalls				e ballast loss,	undermined all 4 corners - se	e photo		
Structure		een burned- Fi						
Ballast		allast plank 3" x 12", 9" of ballast, low ballast E/W approaches						
Headwall		Stringer headwall retainer is broken on left and right side						
Ballast Retainer		ainers leaning						
Drainage	Trash accumi	ulation under s	structure					
		MAINTEN	NANCE RECOM	MENDATION	S			
Priority				Description				
D03	Replace rail v	vith heavier se	ction as tonnage	dictates				
B01, B02, D05, B	Repair wingw	alls and head	wall retainer, both	n ends				
B07, B	Replace sway							
E03, B	Add ballast at	t approaches						
B04, B11, S03, A	Shim pier to p	orovide bearing	9					
	CONDI	TION RATING	i		PRIORITY			
1. Failed (may requ	uire bridge out o	of service)			A. Immediately			
2. Deficient: OK for o			nan/Inspector for	all trains	B. Within 1 year			
until repaired.	. ,	. 3	,		C. Within 3 years			
Satisfactory but w	vith exceptions:	Slow order m	ay be required.		D. Within 5 years			
4. Worker Safety: ite			<u> </u>		E. Within 10 years			
5. Good with minor e		,	· /		M. Monitor, Condition may	change &		
6. New Bridge					- raise priority	2		
7. Not inspected: Re	eason stated				,			
Inspecte		J	loseph Holste, Pl		Date Inspected:	12/8/202		
•					•			





	BRID	GE INSPECTION	REPOR	Γ CONCRETE ABUTMEN	Т
Span: 1 Alignment:	TANGENT	Vert. Clear:	4'	Bridge No.	415.82
DETAILS - ABUT NUMBE	R: 1			Span Length:	7'-7"
CR A					CR CR
	st - (12) 11-	3/4"x11-3/4" Tim	nber Strin	gers, Concrete Abutment	
Remarks:		tall to the			
CR- Stringer retainer cra     Manitar retainers for add					
2. Monitor retainers for add					
3. Charing is approximatel	y 174 - SEE	ρποιο			
Inspected By:	Jo	oseph Holste, PE		Date Inspected:	12/8/2020





12/8/2020

Inspected By:

	BRIDGE INSPECT	ION REPORT TIMBER BENT	
pan: 2 Alignment: TANGENT	Vert. Clear:	4' Bridge No.	415.82
ETAILS - BENT NUMBER: 2			7'-7"
Char		Span Length:	7'-7"
escription: Looking East - (12) 11	-3/4"x11-3/4" Timb	er Stringers, Timber Bent	
emarks:			
Char - Charing is approximately 1/	4"		
Sway braces have been burned ar	d broken. Soft and	hollow, no longer functional - see photo	
Limited bearing on cap, some shin	s not functional		

Date Inspected:

Joseph Holste, PE





BR	IDGE INSPECTION RE	EPORT CONCRETE ABUTMENT	
Alignment: TANGEN	T Vert. Clear:	4' Bridge No.	415.82
DETAILS - ABUT NUMBER: 3		Span Length:	
CR A A A A A A A A A A A A A A A A A A A			CR
Description: Looking East - (12) 1	1-3/4"x11-3/4" Timber	Stringers, Concrete Abutment	
Remarks:			
1. Charing is approximately 1/4"			
2. CR - Stringer retainer cracked bo	th sides		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/8/2020



415.82 Looking East



415.82 Looking West



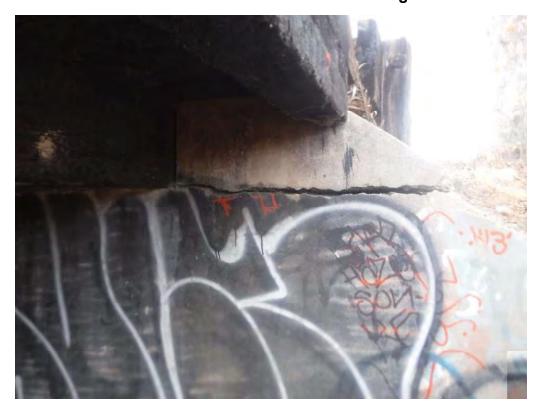
415.82 Looking North



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





							N REPC					
							INS	PECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	FORMATI	ON				INSPECTIO	N INFO	RMATION		
Milepost	415.92					1	Date	8-Dec-20			) PM	
Location	Santa Paula Br	anch Line	-					r Name		oseph Hols		
	Santa Paula, C	A								303-501-1		
Stream			Overpass			•		Company				
Train Ope	rating Speed:				nger:							
DECK	Type:	Ballasted	Number o	f Tks		1	Visual C	ondition Rating		3		
	RAIL	Weight:	80#	Type:		Jointed	Vi	isual Condition l	Rating:	3	•	
		Notes:		_					•			
	<u>TIES</u>	Type:	Timber		Tie	Conditior	n Rating:	3				
		Notes:	Poor cond	lition								
	<b>BALLAST</b>	Depth:	8"	Bal	llast	Condition	Rating:	3	_			
		Notes:	Holes in b									
<u>!</u>	DECK PLANKS	Type:	Timber	_	(	Conditior	n Rating:	3	Notes:			
	OTHER	Type:			-	Condition	n Rating:		_			
SUPERS	TRUCTURE											
	Visual Condition	n Rating	3									
	Type:	•	Number b	– arrels			Rou	und or Rect		Size		
			Approx Ln	igth.			(	Concrete		Steel		
		Bridge:	Steel					Timber	15'-11"	Concrete		
		Type:	Truss				De	eck Girder		Through		
			Trestle				X			Girder		
			Num Spar	าร		2	2	Approx. S	pan Lei	ngths	7'-7"	
		Notes:		Ballast	t Dec	k Timber	Trestle -	- Built 1897				
SUBSTRI	JCTURE											
	Visual Condition	n Rating			3							
	Bent:		5	Туре		Tim	ber	Notes		Bent #2	2	
	Abutment:		3	_Type		Con	crete	Notes	i	Abut #1 &	#3	
	Wingwalls:		3	Type		Con	crete	Notes	i			
	Embank			_Type				Notes				
	Footing			Туре				Notes	:			
	Inaccessible are	eas:										
STREAM	CHANNEL											
	Visual Condition	•	5	_								
	Stream Depth		Scour Evi	dence				Moving Water				
	Notes											
OVERALI		· ·	Marati D		_							
	High Priority	X	Medium P	riority				Low Priority				

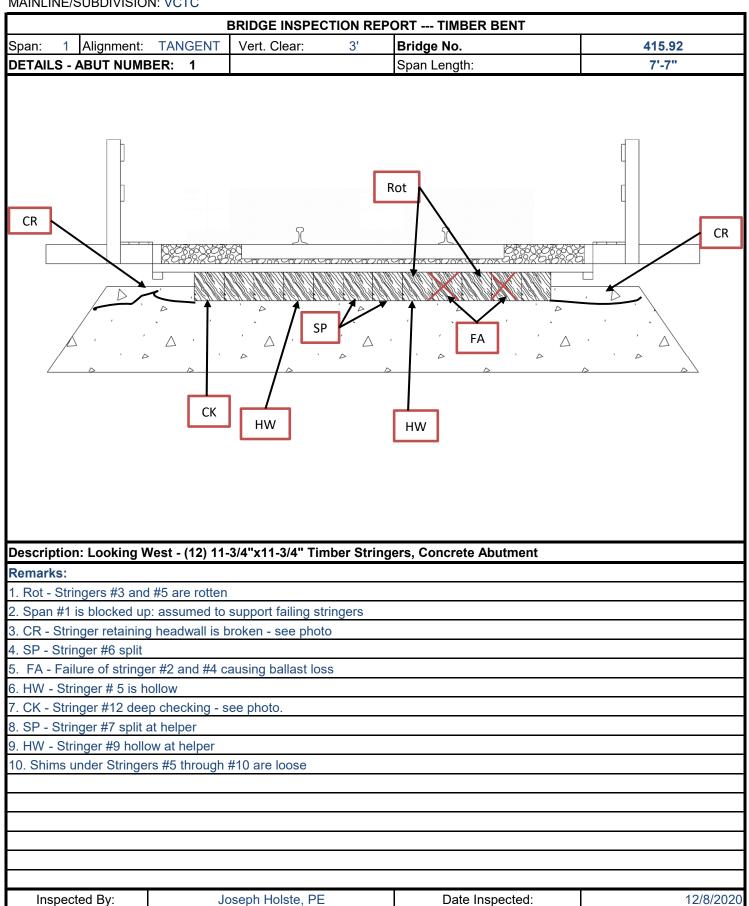




, , , , , , , , , , , , , , , , , , , ,	BRIE	GE INSPECT	ION REPORT	TIMBER ST	RUCTURE			
Spans:	2	Alignment:	Tangent	Vert. Clear:	3'-8" Bridge No.	415.92		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage Overall Length:	15'-11"		
ENVIRONMENT		STRINGERS			B08 Sash Brace	N/A		
E01 Scour	5	S01 Stringers		3	B09 Long Brace	N/A		
E02 Channel	5	S02 Line Bolts		N/A	B10 Cap Long Brace	N/A		
E03 Approach	5	S03 Bearing	S03 Bearing @ Cap		B11 Shims	N/A		
DECK		BENTS			MISC. OTHER			
D01 Ties (OD only)	N/A	B01 West Abut	tment & Wingwalls	3	M01			
D02 Ties Spacers	N/A	B02 East Abuti	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	Bents	N/A				
D06 Footwalk	3	B06 Posts		N/A	Overall Rating:	3		
D07 Handrail	3	B07 Cross Br	aces	N/A				
			COMMENTS	<del></del>				
Reference				Remark				
Wingwall	All four winay	valls are failing	 					
Ballast		le in ballast pla	e - see photo					
Walkway		ice - tripping ha			'			
Handrail		eaning all 4 corners - see photos						
Headwall		Stringer retaining headwall is cracked at both abutments						
Wingwall		vingwall leakin						
Vegetation		orth of bridge						
	1	MAINTEN	NANCE RECOMI	MENDATION	<u> </u>			
Priority				Description				
	Replace stru	cture with 3-4 2	24" or 30" CMP. I	Needs hydrolo	ogy study.			
D03	Replace rail v	with heavier se	ction as tonnage	dictates				
D04, A	Ballast plank	s beginning to	fail. Replace if m	aintained as a	a bridge			
D06, A	Walkway has	uneven surfac	ce and is a trippir	ng hazard				
S03, B	Shim helper	bents to stringe	ers as noted					
S01, A	Replace faile	d and rotten st	ringers					
D07, B	Repair handr	ail						
B01, B02, B	Repair wingv							
	Recommend	a quarterly ins	pection (3 month	s) to assure t	he bridge is functional until re	pairs are		
	made along v	with a slow ord	er of 10 mph be p	olaced on the	bridge.			
	CONDI		PRIORITY					
1. Failed (may requ	ire bridge out	A. Immediately						
2. Deficient: OK for o		all trains	B. Within 1 year					
until repaired.	. ,		C. Within 3 years					
Satisfactory but w	ith exceptions:		D. Within 5 years					
4. Worker Safety: ite	•		E. Within 10 years					
<ol><li>Good with minor e</li></ol>	,	,	,		M. Monitor, Condition may	/ change &		
6. New Bridge	•				- raise priority	,		
7. Not inspected: Re	eason stated				,			
Inspecte		J	loseph Holste, Pl		Date Inspected:	12/8/2020		









7. CS - Bent cap split

Inspected By:

8. SP, SB - Pile 3 split and wrapped with steel band

Joseph Holste, PE

Date Inspected:

12/8/2020



Span: 2 Alignment: TANGENT Vert. Clear: 3' Bridge No.  DETAILS - BENT NUMBER: 2 Span Length:  FA ROT SP
FA ROT SP
CS ROT SB SP SP SP Pile 1 Pile 2 Pile 3 Pile 4 Pile 5





				PORT CONCRETE ABUTMENT	
		TANGENT	Vert. Clear:	Bridge No.	415.92
ETAILS	- ABUT NUME	BER: 3		Span Length:	
			Second and the second	A CONTRACTOR OF THE PARTY OF TH	CR
<b>marks:</b> Ballast l	leak, span #2,	East - (12) 11-3 right side - seed - seed - see photo		Stringers, Concrete Abutment	
<b>marks:</b> Ballast l	leak, span #2,	right side - se		Stringers, Concrete Abutment	



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 have loose shims to stringers – both spans



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



415.92 Stringer 12 deep checking





DIVISION  Santa Paula  OUVERT NO. OF SANCH  BRANCH  Santa Paula  OUVERL RATING  FOR ANAGE  OVERALL RATING  OVERALL RATING  TIEM  GENERAL  CONDITION  GENERAL  RATING  1 Action Under Trains  7 No Trains  Embankment  6 STEEAM CONDITIONS  4 Alignment  6 STEAM CONDITIONS  4 Alignment  6 SCHANNE  5 Channel  6 No Trains  TREAD CONDITIONS  4 Alignment  6 SCHANNE  FOR ANAGE  OUVERT (3) 47X8* CBC  VEAR BUILT  CONDITION  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  REMARKS  ANA  1 Action Under Trains  6 SCHANNE  ALIGNMENT  A				Culver	t Inspe	ection Fo	rm	
SANANCH	DIVISION	Santa Paula	1	CULVERT N	NO.	MP 416.21		(3) 4'X8' CBC
DRAINAGE   1   2018				_				
TITEM							LOCATION	
ITEM GENERAL RATING REMARKS  1 Action Under Trains 7 No Trains 2 Embankment 6 3 Track Over Culvert 6 5 STREAM CONDITIONS 4 Alignment 6 6 Paying Through Culvert N/A 7 Rip Rap N/A 8 Sheet Piling Protection N/A 9 Cleanliness CLEAN MASONRY 10 Abutment N/A 11 Arch Ring N/A 111 Arch Ring N/A 112 Headwalls 6 13 Wingwalls 6 14 Foundations N/A 15 Roofs 5 16 Walls 6 17 Piers N/A 18 Parapet Walls N/A 19 Pointing N/A 19 Pointing N/A 10 Abutment N/A 11 Foundations N/A 11 Foundations N/A 12 Headwalls 6 13 Wingwalls 6 14 Foundations N/A 15 Roofs 5 16 Walls 6 17 Piers N/A 18 Parapet Walls N/A 19 Pointing N/A 11 Previous Gunite N/A 11 Previous Gunite N/A 11 Previous Gunite N/A 11 Previous Gunite N/A 12 Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted Remarks: 3 Soli cover above structure is between 3' to 4' 4 Noeds fance again filled in at corners of headwalls 5 Grout cracking at headwall to wingwall joint NOTE ANY SCOUR. SETTLEMENT, DISTRESS, SUDE FAILURE, BACKWATER OR OBSTRUCTION. CONDITION RATINGS PRIORITY 1. Failed (may require bridge out of service) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired. CONDITION RATINGS PRIORITY 5. Good with minor exceptions 6 New Bridge 7. Not inspected: Reason stated CONCETE	OVERALL RAT	ING	W	ATERWAY NO. OF TRACKS		OF TRACKS		YEAR BUILT
TEM   GENERAL   RATING   REMARKS		5	DR	AINAGE 1				2018
1	ITEM	GENERAL					REMA	ARKS
Track Over Culvert 6   STREAM CONDITIONS    4   Alignment 6   SCHAMMER   SCHAMMER   SCHAMMER   STREAM CONDITIONS    5   Channel 6   SCHAMMER	1	Action Under Trains			No Trains			
STREAM CONDITIONS	2	Embankment		6				
4 Alignment 6 6 6 6 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3	Track Over Culvert		6				
4 Alignment 6 6 6 6 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		STREAM CONDITI	ONS					
5 Channel 6 Paving Through Culvert N/A N/A 7 Rip Rap N/A N/A 8 Sheet Piling Protection N/A 9 Cleanliness CLEAN N/A N/A N/A N/A N/A N/A N/A N/A N/A N	4			6				
6								
7 Rip Rap N/A 8 Sheet Piling Protection N/A 9 Cleanliness CLEAN  MASONRY 10 Abutment N/A 11 Arch Ring N/A 12 Headwalls 6 6 13 Wingwalls 6 14 Foundations N/A 15 Roofs 5 16 Walls 6 17 Piers N/A 18 Parapet Walls N/A 19 Pointing N/A 19 Pointing N/A 20 Cradles N/A 21 Previous Gurite N/A 22 Slab 6 23 Pipes-Metal/Concrete N/A 22 Slab 6 3 Pipes-Metal/Concrete N/A 3 Seli cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY 1. Failed (may require bridge out of service) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE CONCRETE				N/A				
Sheet Piling Protection				N/A				
MASONRY	8			N/A				
10 Abutment NI/A  11 Arch Ring NI/A  12 Headwalls 6  13 Wingwalls 6  14 Foundations NI/A  15 Roofs 5  16 Walls 6  17 Piers NI/A  18 Parapet Walls NI/A  19 Pointing NI/A  19 Pointing NI/A  20 Cradles NI/A  21 Previous Gunite NI/A  22 Slab 6  23 Pipes-Metal/Concrete NI/A  22 Slab 6  23 Pipes-Metal/Concrete NI/A  NA  Remarks:  3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired.  3. Saltsfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  M Monitor, Condition may 6. New Bridge  CONCRETE  PIPE - CAST IRON  STEEL  ARCH - STONE  CONCRETE  BOX - STONE  CONCRETE  CONCRETE	9			CLEAN				
10 Abutment NI/A  11 Arch Ring NI/A  12 Headwalls 6  13 Wingwalls 6  14 Foundations NI/A  15 Roofs 5  16 Walls 6  17 Piers NI/A  18 Parapet Walls NI/A  19 Pointing NI/A  19 Pointing NI/A  20 Cradles NI/A  21 Previous Gunite NI/A  22 Slab 6  23 Pipes-Metal/Concrete NI/A  22 Slab 6  23 Pipes-Metal/Concrete NI/A  NA  Remarks:  3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired.  3. Saltsfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  M Monitor, Condition may 6. New Bridge  CONCRETE  PIPE - CAST IRON  STEEL  ARCH - STONE  CONCRETE  BOX - STONE  CONCRETE  CONCRETE		†						
11 Arch Ring N/A  12 Headwalls 6  13 Wingwalls 6  14 Foundations N/A  15 Roofs 5  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 on underside of top slab, cell 3. Rebar exposed. See photo  2. All interior joints need to be grouted 1. Society of the structure is between 3' to 4'  4. Needs fence apps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service)  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired.  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired.  3. Salisfactory but with exceptions: Slow order may be required.  4. Worker Safety: Items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge chorses  FIEEL CONCRETE  BOX - STONE  CONCRETE	10			N/A				
12	11	Arch Ring		N/A				
13 Wingwalls 6 14 Foundations N/A 15 Roofs 5 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 21 Previous Gunite N/A 22 Slab 6 23 Pipes-Metal/Concrete N/A 3 Soli cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired. 3. Saltsfactory but with exceptions: Slow order may be required. D. Within 3 years 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge concrete  PIPE C COUVERTS: PIPE - CAST IRON ATCH.  STEEL CONCRETE  N/A  N/A  N/A  N/A  1. Parapet Walls  N/A  N/A  1. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Saltsfactory but with exceptions: Slow order may be required. D. Within 1 year 4. Worker Safety: items such as (handrail, footwalk, etc.) E. Within 10 years 5. Good with minor exceptions M. Monitor, Condition may 6. New Bridge CONCRETE  CONCRETE  BOX - STONE CONCRETE	12	•		6				
14 Foundations N/A 15 Roofs 5 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 23 Pipes-Metal/Concrete N/A 24 Interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint to wingwall joint to the concentration of th				6				
16 Walls 6 N/A Piers N/A N/A Parapet Walls N/A N/A Pointing N/A N/A Pointing N/A N/A Pointing N/A N/A Pointing N/A N/A Previous Gunite N/A State Pipes-Metal/Concrete N/A State Pipes-Metal/Concrete N/A N/A N/A N/A N/A State Pipes-Metal/Concrete N/A N/A N/A N/A State Pipes-Metal/Concrete N/A	14			N/A				
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 on underside of top slab, cell 3. Rebar exposed. See photo  2. All interior joints need to be grouted  3. Soil cover above structure is between 3' to 4'  4. Needs fence gaps filled in at corners of headwalls  5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) A. Immediately  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year  until repaired. C. Within 3 years  3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years  4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE CONCRETE	15	Roofs		5				
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 on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired. C. Within 3 years 3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years 4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE CONCRETE	16			6				
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 on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains B. Within 1 year until repaired. C. Within 3 years 3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years 4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE CONCRETE	17	Piers		N/A				
20 Cradles N/A 21 Previous Gunite N/A 22 Slab 6 23 Pipes-Metal/Concrete N/A  L. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 2. Within 3 years 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE CONCRETE  CONCRETE  N/A  Rebar exposed. See photo 2. All interior	18			N/A				
20 Cradles N/A 21 Previous Gunite N/A 22 Slab 6 23 Pipes-Metal/Concrete N/A  L. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 2. Within 3 years 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE CONCRETE  CONCRETE  N/A  Rebar exposed. See photo 2. All interior	19	Pointing		N/A				
22 Slab 6 23 Pipes-Metal/Concrete N/A  1. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as ( handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON STEEL  ONCRETE  1. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted  A. Immediately  PRIORITY  A. Immediately  C. Within 1 year  C. Within 3 years  J. Within 5 years  4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Rebar exposed. See photo  A. Immediately  D. Within 5 years  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Rebar exposed. See photo  A. Immediately  D. Within 5 years  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Rebar exposed. See photo  A. Immediately  D. Within 5 years  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Rebar exposed. See photo  A. Immediately  A. Immediately  A. Immediately  B. Within 1 year  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years  J. Worker Safety: items such as ( handrail, footwalk, etc.)  J. Worker Safety: items such as ( handrail, footwalk, etc.)  J. Worker Safety: items such	20			N/A				
Pipes-Metal/Concrete N/A  1. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint  NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.  CONDITION RATINGS PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains 2. Until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  ONCRETE  1. Concrete  NA Immediately A. Immediately B. Within 1 year C. Within 1 year C. Within 1 year C. Within 1 years D. Within 5 years A. Monitor, Condition may C. hange & raise priority CONCRETE  BOX - STONE CONCRETE CONCRETE	21	Previous Gunite		N/A				
Remarks:  1. Concrete spall at joint on underside of top slab, cell 3. Rebar exposed. See photo 2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint    NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.    CONDITION RATINGS   PRIORITY	22	Slab		6				
Remarks:  2. All interior joints need to be grouted 3. Soil cover above structure is between 3' to 4' 4. Needs fence gaps filled in at corners of headwalls 5. Grout cracking at headwall to wingwall joint    NOTE ANY SCOUR, SETTLEMENT, DISTRESS, SLIDE FAILURE, BACKWATER OR OBSTRUCTION.    CONDITION RATINGS   PRIORITY	23							
CONDITION RATINGS  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as (handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  PIPE - CAST IRON STEEL  A. Immediately A. Immediately B. Within 1 year C. Within 3 years B. Within 1 years C. Within 3 years B. Within 10 years E. Within 10 years M. Monitor, Condition may Change & raise priority BOX - STONE CONCRETE	Remarks:	<ol> <li>All interior joints need</li> <li>Soil cover above struc</li> <li>Needs fence gaps filled</li> </ol>	to be gro ture is be d in at cor	uted tween 3' to 4' 'ners of headw		oar exposed. Se	ee photo	
1. Failed ( may require bridge out of service ) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as ( handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge 7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  A. Immediately B. Within 1 year C. Within 3 years D. Within 5 years E. Within 10 years M Monitor, Condition may Change & raise priority  BOX - STONE CONCRETE		NOTE	ANY SCOU	R, SETTLEMENT,	DISTRESS, SLI	DE FAILURE, BACK\	WATER OR OBSTR	UCTION.
2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as (handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  PIPE - CAST IRON STEEL  ARCH - STONE CONCRETE  B. Within 1 year  C. Within 3 years  D. Within 5 years  E. Within 10 years  M. Monitor, Condition may change & raise priority  BOX - STONE CONCRETE								
until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as (handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  CONCRETE  CONCRETE  C. Within 3 years  D. Within 5 years  E. Within 10 years  M Monitor, Condition may change & raise priority  BOX - STONE CONCRETE							_	•
3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  PIPE - CAST IRON STEEL  CONCRETE  D. Within 5 years  E. Within 10 years  M Monitor, Condition may change & raise priority  BOX - STONE CONCRETE			t requires	Flagman/Ins	pector for a	ll trains		
4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  CONCRETE  E. Within 10 years  M Monitor, Condition may change & raise priority  BOX - STONE CONCRETE								•
5. Good with minor exceptions  6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS:  PIPE - CAST IRON STEEL  ARCH - STONE CONCRETE  CONCRETE  CONCRETE								
6. New Bridge  7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE STEEL CONCRETE  CONCRETE			nandrall,	ioolwaik, etc.	)			
7. Not inspected: Reason stated  TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE STEEL CONCRETE CONCRETE		•						
TYPE OF CULVERTS: PIPE - CAST IRON ARCH - STONE BOX - STONE STEEL CONCRETE CONCRETE							Change	S & raise priority
STEEL CONCRETE CONCRETE		•	CASTIDON	NI	ADOLL	STONE	POV	STONE
	I IFE OF COLV	ALIXIO. PIPE -		<b>v</b>	ARUH -		T T	
CONCRETE BRICK RAIL TOP				E				
Inspector: Joseph Holste, PE Date Inspected: 12/8/2020	Insp	ector: Jose	ph Holst	e, PE	Date	Inspected:		12/8/2020

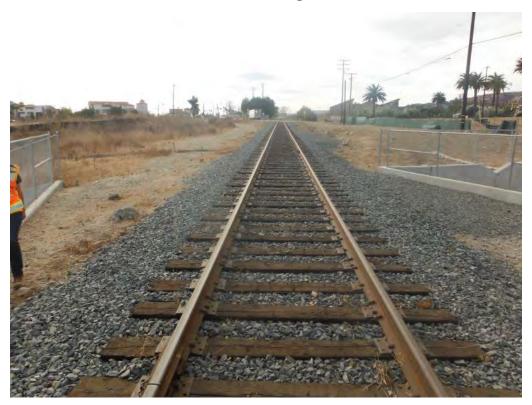




-					CULVER	T INSPECTION	ON REPORT	
Spans:	<b>3</b> V	Vaterway	DRAII	NAGE T	ype of Culvert	(3) 4'X8' CB	C Bridge No.	MP 416.21
ETAIL	S - AE	BUT NUMI	BER:	1 & 2			Length of Culvert:	37'
emark Joints	k <b>s:</b> s need	(3) <b>4'X8'</b> C	uted					
Conc	rete sp	oall on cell	3 unde	rside of t	top slab. Rebar	exposed. See	e photo.	
	_							



416.21 Looking East



416.21 Looking West



416.21 Looking North



416.21 Looking South



416.21 Gaps in fence at corners of headwall



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



416.21 Grout cracking at headwall to wingwall joint





				BRIDGE I	NSPECTIO	ON REPO	ORT				
						INS	SPECTION TYPI	E:	Ar	nnual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION	N	
Milepost	416.32					Date	9-Dec-20	Time	10:4	40 AM	1
Location	Santa Paula Br	anch Line	_			Inspecto	or Name	_ 	oseph Hol		•
	Santa Paula, C	A					ne Number		303-501-		•
Stream	X - Haun (	Creek	Overpass		Other		Company		Vilson & Co	ompany	•
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph		-				•
DECK	Type:	Open	Number o	f Tks	1	V	isual Condition I	Rating:	5		
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition I	Rating:	3	<u></u>	
		Notes:	West app	roach is lov	w, rail is ho	rizontally	kinked at west	abutme	ent		_
	<u>TIES</u>	Type:	Timber	_ Ti	ie Conditio	n Rating:	5	_			•
		Notes:									_
	<b>BALLAST</b>	Depth:		Ballas	st Conditio	n Rating:		_			
		Notes:	( <u> </u>								_
	DECK PLANKS	Type:	( <u> </u>	_	Conditio	n Rating:		Notes			_
	<u>OTHER</u>	Type:			Conditio	n Rating:		_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Type:	Culvert:	Number b	arrels		Rou	und or Rect		Size		
			Approx Lr	ngth.		. (	Concrete		Steel	X	•
		Bridge:	Steel		45'		Timber		Concrete		•
		Type:	Truss			De	eck Girder	•	Through		•
			Trestle						Girder	-	•
			Num Spai	าร		3	Approx. S	pan Le	ngths	14'-6", 15',	14'-6"
		Notes:		Open De	eck W/ Tim	ber Ties -	- Built 2018				-
SUBSTRI	UCTURE										
0020111	Visual Conditio	n Rating		5	5						
	Bent:		5	Туре	Tin	nber	- Notes	i	Bent #2	& #3	
	Abutment:		5	Туре	Sto	one	Notes		Abut #1	& #4	_
	Wingwalls:		5	Туре	Sto	one	Notes	Mater	ial loss arc	ound abutme	nts
	Embank			Туре			Notes				_
	Footing	-		_Туре			Notes				_
	Inaccessible ar	eas:									-
STREAM	CHANNEL										
	Visual Conditio	n Rating	5								
	Stream Depth		Scour Evi	dence			Moving Water		no		_
	Notes										•
											•
OVERALI											
	High Priority		_Medium P	riority			Low Priority	X	-		





	BRID	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 Sash	Brace	5		
E01 Scour	5	S01 Stringers		5	B09 Long	Brace	N/A		
E02 Channel	3	S02 Line Bolt		N/A	l – – – –	Long Brace	N/A		
E03 Approach	3	S03 Bearing (		5	B11 Shim		5		
DECK		BENTS	<u> </u>		MISC. OT				
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	Rents	N/A	1010 1				
D06 Footwalk	N/A	B06 Posts	Bonto	N/A	Ove	erall Rating:	5		
D07 Handrail	N/A	B07 Cross Br	aces	5	1		•		
207 714.114.14.11	,,, .	<u>   </u>			<u> </u>				
D (	1		COMMENT						
Reference	N. I. I. II			Remark					
Handrail	No handrail	1	<u> </u>						
Wingwall		nd wingwalls. S							
Ballast	Ballast retain	er rotated at al	outment 1						
		MAINTEN	IANCE RECOM	IMENDATION	S				
Priority				Description					
E03, B	Raise and str	aighten both a	pproaches						
D03		•	ction as tonnag	e dictates					
E02, A					ent water f	rom hitting stringer	9		
LOZ, 71	Driage rias si	ited in more, or	idililoi iloodo ol	caring to prov	ont water i	Tom many samger	<u> </u>		
	-								
					<u> </u>				
		TION RATING	i 			PRIORITY			
1. Failed (may requ						ediately			
2. Deficient: OK for	operations, but	requires Flagn	nan/Inspector fo	or all trains		nin 1 year			
until repaired.						nin 3 years			
<ol><li>Satisfactory but w</li></ol>	vith exceptions:	Slow order m	ay be required.		D. With	nin 5 years	j		
4 14/ 1 0 5 1	ems such as ( h	andrail footwa	alk otc \	·	E. With	in 10 years			
<ol><li>Worker Safety: ite</li></ol>	<u>'</u>	andraii, iootwa	iik, etc.)	<del>.</del>	L. VVIU	iii io youro			
<ul><li>4. Worker Safety: ite</li><li>5. Good with minor of</li></ul>	,	andraii, iootwa	aik, etc.)		1	nitor, Condition may	change &		
	,	andraii, lootwa	iik, etc.)		M. Mor	•	change &		
5. Good with minor of	exceptions	andraii, lootwa	iik, Glo.)		M. Mor	nitor, Condition may	r change &		



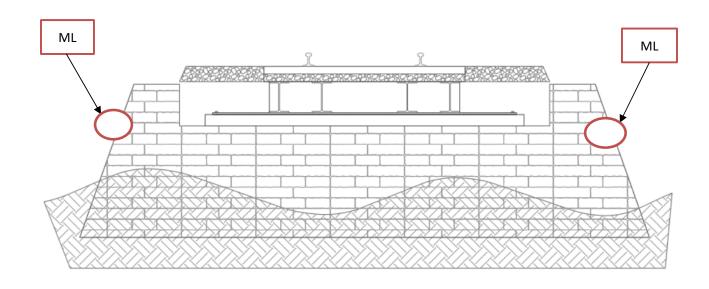


12/9/2020

#### MAINLINE/SUBDIVISION: VCTC

Inspected By:

	BRIDGE INSPECTION REPORT STONE ABUTMENT							
Span:	1	Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32	
DETAIL	_S -	ABUT NUMB	BER: 1			Span Length:	14'-6"	



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

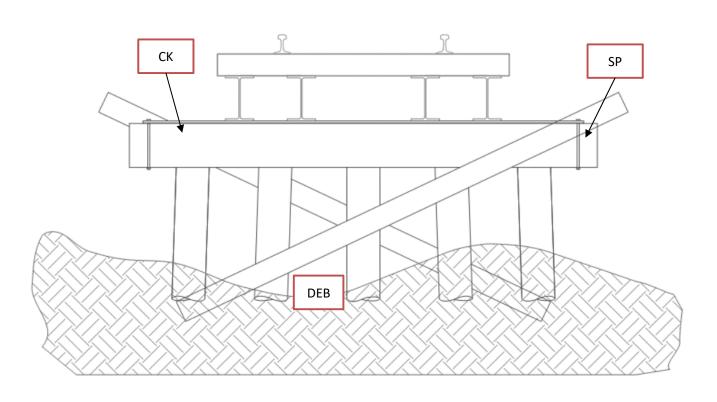
Date Inspected:

Joseph Holste, PE





	BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	2	Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32	
DETAIL	_S - I	BENT NUMB	ER: 2			Span Length:	15'	

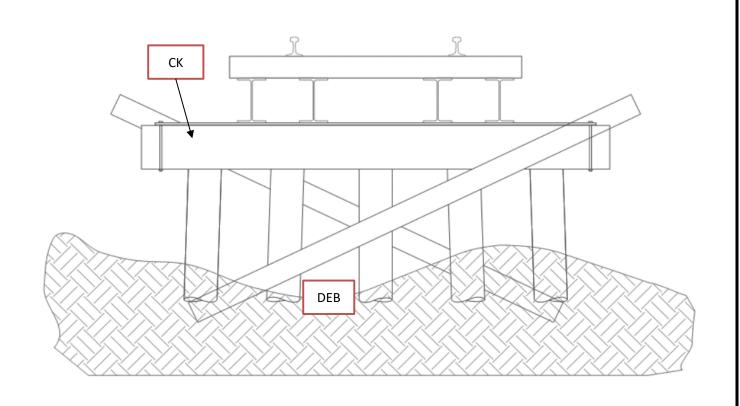


marks:		
CK - Checking in cap		
SP - Vertical split in cap - see	photo	
DEB - Debris on piles - see ph	oto	





	BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	3	Alignment:	TANGENT	Vert. Clear:	7'	Bridge No.	416.32	
DETAIL	_S -	BENT NUMB	BER: 3			Span Length:	14'-6"	



emarks:			
. CK - Checking in cap			
. DEB - Debris on piles			
Inspected By:	Joseph Holste, PE	Date Inspected:	12/9/202





12/9/2020

Inspected By:

BRIDGE INSPECTION REPORT STONE ABUTMENT							
	Alignment: TANGENT	Vert. Clear:	5'	Bridge No.	416.32		
TAILS -	ABUT NUMBER: 4		-	Span Length:	14'-6"		
	ML				ML		
marks:	on: Looking East - (4) Stee terial loss north and south						

Date Inspected:

Joseph Holste, PE



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			
						IN:	SPECTION TYPE	<u>:</u>	Ann	ual
	STRU	ICTURE IN	IFORMATI	ION			INSPECTION	N INFC	RMATION	
Milepost	416.63					Date	9-Dec-20	Time	10:50	AM
Location	Santa Paula B	ranch Line	-			Inspecto	or Name	J	oseph Holst	e, PE
	Santa Paula, C	A					one Number	303-501-1215		215
Stream			Overpass		Other	X	Company	V	Wilson & Company	
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		/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:							•			
	<b>BALLAST</b>	Depth:		Ballas	t Conditio	n Rating:	:			
		Notes:						1		
	DECK PLANKS	Type:			Conditio	n Rating:	:	Notes:		
	OTHER	Type:		_	Conditio	n Rating:	:	1		
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size	
			Approx Lr	ngth.		_	Concrete		Steel	
		Bridge:	Steel	_	2'	•	Timber		Concrete	
		Type:	Truss			_ D	eck Girder	Х	Through	
		,	Trestle			_			Girder	
			Num Spa	ns		1	Approx. S	pan Le	ngths	11'-3"
		Notes:			Rolled Ste	el I-bear	ms			
SUBSTR	_									
	Visual Condition	n Rating		5			_			
	Bent:			_Type			_ Notes			
	Abutment:		5	Туре		nber			Abut #1 &	
	Wingwalls:		5	Туре	Tin	nber	_ Notes			
	Embank			Type			_ Notes			
	Footing			_Type			_ Notes			
	Inaccessible a	reas:								
STREAM	CHANNEL									
	Visual Condition	n Rating	5	<del></del>						
	Stream Depth	Ol Coolin	Scour Evi			es	_Moving Water		No	
	Notes	2 Scour 8	at upstrear	n culvert - s	see photo					
OVERAL	L RATING									
VEINAL	High Priority		Medium F	Priority			Low Priority		Χ	
	,		-	,			_ ,			

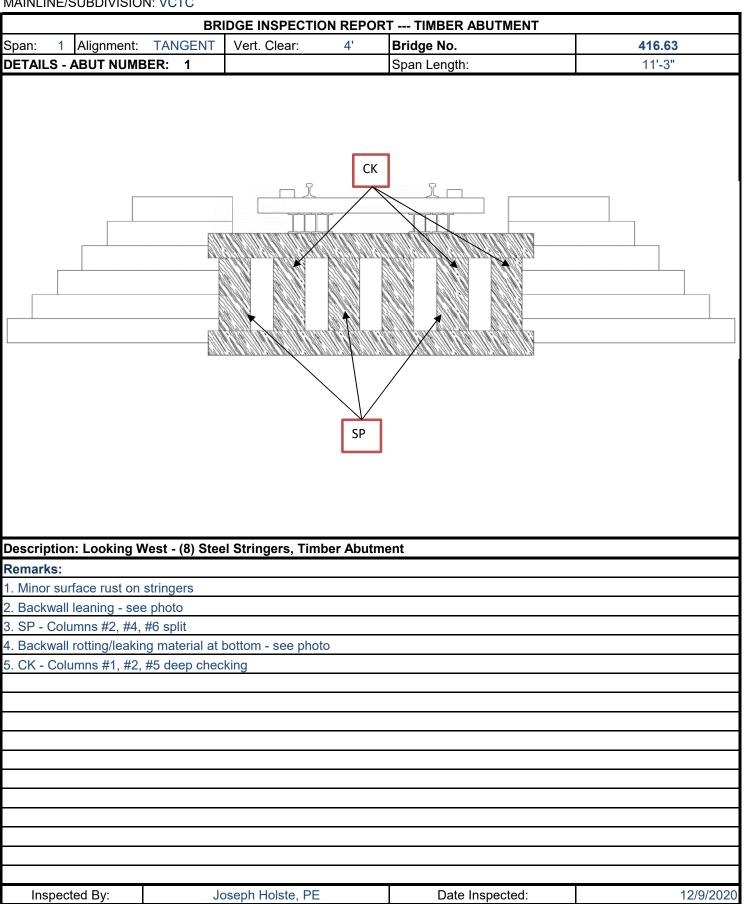




WAINLINE/SUBDIVISI		DGE INSPECT	ION REPORT	TIMBER ST	RUCTURE		
Spans:	1	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	416.63
No. of Tks:	1	Deck Type:	Open	Br. Over:	Drainage	Overall Length:	12'
ENVIRONMENT		<b>STRINGERS</b>			B08 Sash	Brace	N/A
E01 Scour	5	S01 Stringers	<u> </u>	5	B09 Long	Brace	N/A
E02 Channel	5	S02 Line Bolt	ts	5	B10 Cap I	ong Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim	s	N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	5	B01 West Ba	ckwall	3	M01		
D02 Ties Spacers	5	B02 East Bac	ckwall	3	M02		
D03 Rail	3	B03 Caps		5	Both appr	oaches 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	Ove	rall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	N/A			
			COMMEN	rs			
Reference				Remark			
	No handrail,	No walkway					
	Guard ties ro	otten and broke	n - see photo				
Wingwalls	Erosion at al	l wingwalls					
		MAINTEN	NANCE RECO	MMENDATION	S		
Priority				Description			
E03, B	Raise approa	aches					
D03	Replace rail	as appropriate	for tonnage				
B01, B02	Repair back	wall locations th	nat are leaking				
	CUND	ITION RATING	ì			PRIORITY	
1. Failed (may requ					A. Imm	ediately	
Deficient: OK for			man/Inspector f	or all trains		in 1 year	
until repaired.	oporations, bu	oquii oo i iagi	a.,opcotor I	o. an tianto		in 3 years	
Satisfactory but w	vith exceptions	· Slow order m	av he required			in 5 years in 5 years	
Worker Safety: ite						in 10 years	
•	,	iaiiuiaii, luutwa	ain, 616.)			•	-b 0
5. Good with minor	exceptions					itor, Condition may	cnange &
6. New Bridge	00000 ct-t				- raise	e priority	
7. Not inspected: R			lanami III I I I I	DE	_	4-1 ( )	40/0/000
Inspecte	ea By:	J	Joseph Holste, I	re	l Da	ite Inspected:	12/9/202











					T TIMBER ABUTMENT	Τ
		TANGENT	Vert. Clear:	4'	Bridge No.	416.63
ETAILS -	ABUT NUMBE	R: 2			Span Length:	
					SP SA	
escriptic	n: Looking Eas	st - (8) Stee	l Stringers, Timb	oer Abutme	ent	
emarks:	on: Looking Eas		l Stringers, Timb	oer Abutme	ent	
emarks: SP - Co	lumn #1, #3, #6	split		per Abutme	ent	
emarks: SP - Co Backwa	lumn #1, #3, #6 Il rotting/leaking	split matterial at	bottom		cap and backwall at beams to 1	" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking	split matterial at	bottom			" space at end of cap
SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
emarks: SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap
SP - Co Backwa Backwa	lumn #1, #3, #6 Il rotting/leaking Il leaning, major	split matterial at	bottom			" space at end of cap



416.63 Looking East



416.63 Looking West



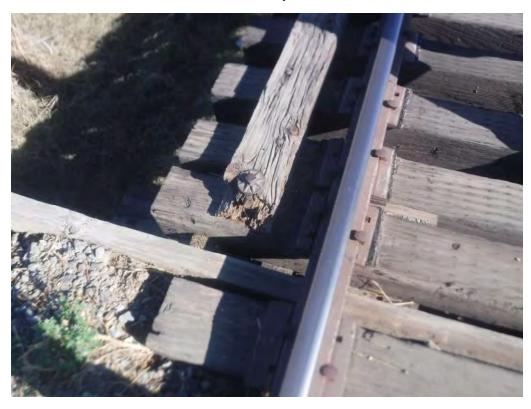
416.63 Looking North



416.63 Looking South



416.63 2' Scour at upstream culvert



416.63 Guard ties rotten and broken



416.63 Backwall leaning - Abutment 1 & 2



416.63 Split pile 6 at Abutment 1, typ multiple locations



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





	BRIDGE INSPECTION REPORT										
						INS	PECTION TYP	E:	An	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFC	RMATION		
Milepost	417.24					Date	9-Dec-20	Time	12:1	5 PM	-
Location	Santa Paula Br	anch Line	-			Inspecto	r Name	_ J	oseph Hols	ste, PE	-
	Santa Paula, C	Α					ne Number	303-501-1215		1215	-
Stream	X		Overpass		Other	Company		Wilson & Company		mpany	-
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph						-
DECK	Type:	Ballasted	Number o	f Tks	1	Visual Co	ondition Rating		3	_	
	RAIL	Weight:	80#	Type:	Jointed	Vi	isual Condition I	Rating:	3	<u>-</u> _	
		Notes:	Horizontal	_ l rail misali	gnment at	west side	of bridge, dip a	it road	crossing	=	
	<u>TIES</u>	Type:	Timber	Ti	ie Conditior	n Rating:	3				-
		Notes:				•		_			_
	<b>BALLAST</b>	Depth:	11"	Balla	st Condition	n Rating:	5				_
		Notes:									_
	DECK PLANKS	Type:	Timber	_	Condition	n Rating:	5	Notes:			_
	<u>OTHER</u>	Type:			Condition	n Rating:		_			
SUPERS <sup>-</sup>	TRUCTURE										
	Visual Conditio	n Rating	3	_							
	Type:	Culvert:	Number b	arrels		Rou	ınd or Rect		Size		_
			Approx Ln	igth.		C	Concrete		Steel		<u>-</u>
		Bridge:	Steel				Timber	75'	Concrete		_
		Type:	Truss	1		De	eck Girder		Through		_
			Trestle			X			Girder		
			Num Spar	าร		5	Approx. S	pan Le	ngths	15'	_
		Notes:		Ва	llast Deck	Timber Tr	estle		_		_
SUBSTRI											
	Visual Conditio	n Rating		3			•				
	Bent:		3	_Туре	Tin	nber	Notes		ent #2, #3,		_
	Abutment:		5	_Туре	Tin	nber	Notes	·	Abut #1 8	ß #6	_
	Wingwalls:		3	_Type	Tin	nber	Notes	·			_
	Embank			_Type			Notes	·			_
	Footing			_Type			Notes	·			_
	Inaccessible ar	eas:									_
STREAM	CHANNEL										
	Visual Conditio	n Rating	3	<del>.</del>							
	Stream Depth Notes	Lote of de	Scour Evi		under bridg		Moving Water		No		-
	Notes	LOIS OF G	ediis and ia	ilge locks	under bridg	je					-
											-
OVERALI	L RATING										
O T LINAL	High Priority	Х	Medium P	riority			Low Priority				
	,		-	,			,			-	





	BRII	GE INSPECT	ION REPORT	TIMBER ST	RUCTURE					
Spans:	5	Alignment:	Tangent	Vert. Clear:	8'	Bridge No.	417.24			
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Stream	Overall Length:	75'			
ENVIRONMENT		<b>STRINGERS</b>			B08 Sash	Brace	5			
E01 Scour	3	S01 Stringers	3	3	B09 Long	Brace	5			
E02 Channel	3	S02 Line Bolt	S	N/A	B10 Cap	Long Brace	N/A			
E03 Approach	3	S03 Bearing (	@ Сар	5	B11 Shim	S	5			
DECK		BENTS			MISC. OT	HER				
D01 Ties (OD only)	N/A	B01 West Ba	ckwall	3	M01 Wes	t Wingwall	3			
D02 Ties Spacers	N/A	B02 East Bac	kwall	3	M02 East	Wingwall	3			
D03 Rail	3	B03 Caps		5	M03					
D04 Ballast Floor	3	B04 Piles		3	M04					
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A						
D06 Footwalk	5	B06 Posts		N/A	Ove	erall Rating:	3			
D07 Handrail	4	B07 Cross Br	aces	5						
			COMMEN	TS						
Reference				Remark						
	Wingwall on	east end south	neast side is fai		end winaw	all undermined. Wii	ngwall on			
Wingwall	west end, no	Ningwall on east end, southeast side is failing, northeast end wingwall undermined. Wingwall on west end, northwest side is failing. SE Erosion around wingwall.								
Handrail	Handrail and posts are in very poor condition, top rail rotated, missing midrail on north and south sides - see photo									
Utility	Utility crossing	ng 30' to right a	bove and belov	w ground						
Backwall		oackwall buldgi			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	s, trees & other v	egetation & debr	ris from under bri	dge to allow	max. flow and preve	nt damage to			
D03	Replace 80 I	b rail as require	ed for tonnage							
D04, A	Replace balla	ast planks with	stringer replac	ement. Monitor	condition					
S01, A	Replace bad	stringers.								
B01, B02, B/C	Repair Backwa	alls								
E01, E02, B	Repair erosion	around wingwal	lls							
E03, B	Correct rail a	lignment								
	Recommend	a quarterly ins	pection (3 mon	ths) to assure	the bridge i	s functional until re	pairs are			
	made along	with a slow ord	er of 10 mph be	e placed on the	bridge.					
	COND	TION RATING				PRIORITY				
1. Failed (may requ			-		-	ediately				
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector f	or all trains		in 1 year				
until repaired.						in 3 years				
3. Satisfactory but w						in 5 years				
4. Worker Safety: ite	,	nandrail, footwa	alk, etc.)		E. Within 10 years					
5. Good with minor e	exceptions					itor, Condition may	change &			
6. New Bridge					- rais	e priority				
7. Not inspected: Re		1								
Inspecte	d By:	J	oseph Holste,	PE	Da	ate Inspected:	12/9/202			





	BR	IDGE INSPECTION REPO	RT TIMBER ABUTMENT	
Span: 1	Alignment: TANGENT	Vert. Clear: Varies	Bridge No.	417.24
DETAILS -	ABUT NUMBER: 1		Span Length:	14'
	n: Looking West - (12) 8"	<u>,-; ,</u>	Rot Pile 3 Pile 2 Pile 1	
Remarks:				
I. DR, PU	- Pile #4 drilled, small cente	er, punky material (2014)		
	ringer #10 is rotten	, , ,		
	4, & 5 sound hollow			
	l bulging and rotten near bo	ottom, ballast coming through	gh abutment - see photo	
5. FA - Stri	nger #3 failed - see photo			
6. DR (202	0) - Pile #4 drilled approxim	nately 4' from bottom of pile	cap, 5 1/2" creosote shell, solid the	roughout





	BRIDGE INSPE	CTION REPORT TIMBER E	DEN I	
Span: 2 Alignment: TAN	GENT Vert. Clear:	8' Bridge No.		417.24
DETAILS - BENT NUMBER:	2	Span Length:		15'
	FA	Rot		
	\			
			SP	
	SP	HW		
		PU		
		DR		
	·		4	
T			J	
1				
D	Pile 1 Pile 2 Pile	e 3 Pile 4 Pile 5	Pile 6	
ŗ	11e 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
Description: Looking East - (	(12) 8"x17.5" Timber St	ringers, Timber Bent		
Remarks:				
1. Rot - Stringers #3 and #10 a	are rotten			
2. PU - Pile #4 is punky				
B. SP - Cap is split - see photo				
1. SP - Pile #2 is split - see pho	oto			
5. HW - Pile #5 is hollow	rtical deflection and faile	d Stringer is also exuphing at	nior 2 and 2	
		ed. Stringer is also crushing at place. Stringer is also crushing at place.		
. DIT (2020) - 1 lie #3 diffied a	pproximately i below pr	ie cap, 44 diameter, sheli cate	11 at 3 1/2 to 0 1/2	



Inspected By:



Alignment: TANGENT Vert. Clear: 8' Bridge No.  FAILS - BENT NUMBER: 3 Span Length:  FA Rot  FA  SH	15'
FAILS - BENT NUMBER: 3 Span Length:	15'
SH	
SH	
SH	
SH **	
SH	· .
SH	<u> </u>
SH	
SP	
DR	
Pile 1 Pile 2 Pile 3 Pile 4 Pile 5	Pile 6
cription: Looking East - (12) 8"x17.5" Timber Stringers, Timber Bent	
narks:	
P - Pile #4 has vertical split	
PR - Pile #2 has 3" shell (2014)	
A - Stringer #2 failed and crushing at bent - see photo	
H - Pile #1 is shimmed	
pan #2 sway brace is covered in dirt on left side	
pan #3 sash brace is covered in dirt and debris - see photo	
scour at bent - see photo	
tot - Stringer #3 is rotten with 3" hole depth - see photo	
A - Stringer #10 failed - see photo	

Date Inspected:

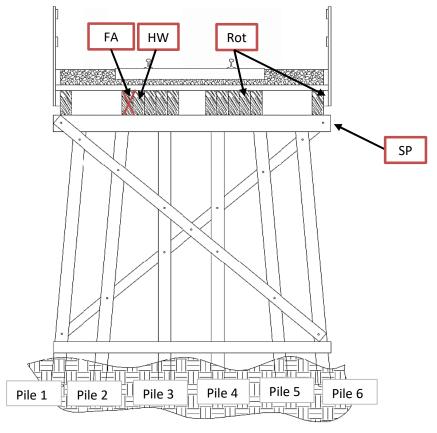
12/9/2020

Joseph Holste, PE





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



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

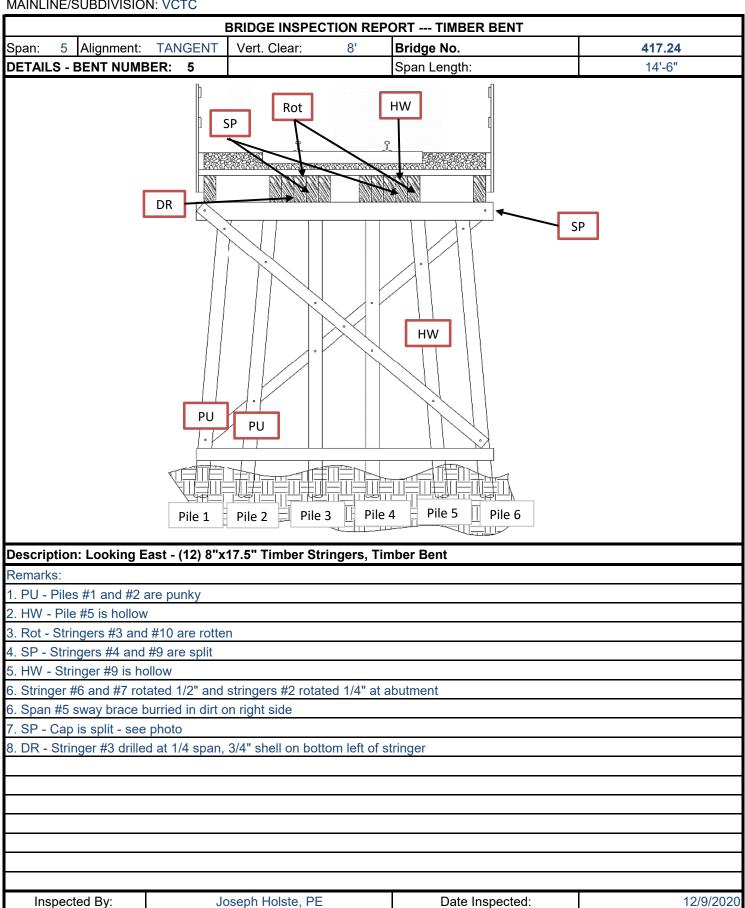
#### Remarks:

- 1. Rot Stringer #10 is 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:	12/9/2020











			DRT TIMBER ABUTMENT	
	Alignment: TANGEN	T Vert. Clear: Varies	Bridge No.	417.24
ETAILS -	ABUT NUMBER: 6		Span Length:	
		Pile 1 Pile 2 Pile 3	Pile 4 Pile 5 Pile 6	
escriptio	n: Looking East - (12) 8	"x17.5" Timber Stringers, 1	Fimber Abutment	
	#11 corner split at abutm	nent		
	leaning with gap at end			
	around SE wingwall - see			
	es #2, #3, and #5 are ho			
	l is rotten and leaning - s			
. Daonwal	Totton and roaming - 3	oo piloto		



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



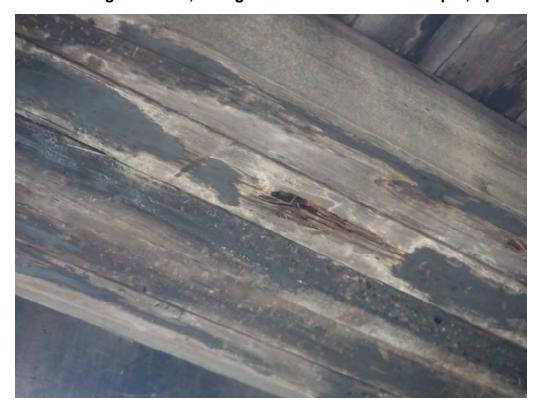
417.24 Bent 2 cap split



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 Stringers 6 and 7 rotated at Bent 5



417.24 Abutment 6 backwall rotten at bottom



417.24 Handrail leaning with gap at end of bridge



417.24 SE wingwall erosion





BRIDGE INSPECTION REPORT												
							INS	PECTION TYP	E: [	Anı	nual	
	STRU	CTURE IN	IFORMATI	ON				INSPECTIO	N INFO	RMATION		
Milepost	417.96					Ī	Date	9-Dec-20	Time	1:50	) PM	
Location	Santa Paula Br	anch Line	-				Inspecto	r Name		oseph Hols		
	Santa Paula, C	A					Telephone Numb		303-501-1215		215	
Stream			Overpass		Oth	er	X	Company	·	Wilson & Company		
Train Ope	rating Speed:	Freight:	10 mph	Passen	ger: 15 ı							
DECK	Туре:	Ballasted	Number o	f Tks		1 '	Visual C	ondition Rating	_	5	_	
	RAIL	Weight:	80#	Type:	Joi	nted	Vi	sual Condition l	Rating:	3		
		Notes:	Slight dip	over stru	ıcture							-
	<u>TIES</u>	Type:	Timber	<u></u>	Tie Con	dition	Rating:	5	_			
		Notes:										
	<b>BALLAST</b>	Depth:	12"	Ball	last Con	dition	Rating:	5	_			
		Notes:										
<u>!</u>	DECK PLANKS	Type:	Timber	_	Con	dition	Rating:	5	Notes:			
	<u>OTHER</u>	Type:			Con	dition	Rating:		-			
SUDERS	TRUCTURE											
OOI LIKO	Visual Conditio	n Rating	5									
	Type:	_	Number b	_ arrels			Rou	ınd or Rect		Size		
	турс.	Ourvert.	Approx Ln					Concrete		Steel		
		Bridge:	Steel	igui.				Timber	15'-2"			
		Type:	Truss	-				eck Girder		Through		
		. , po.	Trestle	-				on Girdor		Girder		
			Num Spar	 ns		1		Approx. S	pan Lei		14'-0"	
		Notes:			Ballast D	eck T	imber Tr		<u>'</u>	3		
SUBSTRU	JCTURE Visual Conditio	n Poting			5							
	Bent:	ii Naurig		Туре	3			Notes				
	Abutment:		5	_ туре Туре		Sto	ne			Abut #1 8	2. #2	
	Wingwalls:		5	Type		Sto				Abut#10		
	Embank			Type		0.0	110					
	Footing			Type				Notes				
	Inaccessible ar	eas:		, p =								
STREAM	CHANNEL											
	Visual Conditio	_						Marrie e Matar				
	Stream Depth Notes		Scour Evi	dence				Moving Water		no		
	140100											
OVERALI	L <b>RATING</b> High Priority		Medium P	riority				Low Priority		Y		
	riigir i nonty	-	- IVIGUIUIII F	Hority				LOW I HOTHLY		X	-	





BRIDGE INSPECTION REPORT TIMBER STRUCTURE											
Spans:	1	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	417.96				
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	e Overall Length:	15'-2"				
ENVIRONMENT		STRINGERS	7.		B08 Sash Brace		N/A				
E01 Scour	5	S01 Stringers		5	B09 Long Brace		N/A				
E02 Channel	5	S02 Line Bolts		N/A	B10 Cap Long Brace		N/A				
E03 Approach	3	S03 Bearing (	@ Сар	5	B11 Shims		N/A				
DECK		BENTS			MISC. OTHER						
D01 Ties (OD only)	N/A	B01 West Abu	utment	5	M01						
D02 Ties Spacers	N/A	B02 East Abu	tment	5	M02						
D03 Rail	3	B03 Caps		5	M03						
D04 Ballast Floor	5	B04 Piles		N/A	M04						
D05 Ballast Retainer	5	B05 Framed Bents		N/A	Overall Rating:						
D06 Footwalk	N/A	B06 Posts		N/A			5				
D07 Handrail	N/A	B07 Cross Braces N/A									
			COMMENT	S							
Reference				Remark							
Handrail	No handrail			Koman							
Hariaran	140 Hariaran										
		MAINTEN	IANCE RECOM	IMENDATION	S						
Priority				Description							
D03	Replace rail a	is tonnage dict	ates								
E03	Level track across structure										
B02	Replace loose block										
	·										
	CONDI		PRIORITY								
1. Failed (may requ		+	nediately								
2. Deficient: OK for o	operations, but	B. Within 1 year									
until repaired.		C. Within 3 years									
3. Satisfactory but w		D. Within 5 years									
4. Worker Safety: ite	ems such as ( h	E. Within 10 years									
5. Good with minor 6	·	M. Monitor, Condition may change &									
6. New Bridge			se priority	,go w							
7. Not inspected: R	eason stated				Tale						
Inspected By: Joseph Holste, PE						ate Inspected:	12/9/2020				
mapeote	ч Dy.		ato mopootou.	12/0/2020							





MAINLINE/SUBDIVISION: VCTC  BRIDGE INSPECTION REPORT STONE ABUTMENT											
Span: 1 Alignment: TANGENT			Vert. Clear: 1.5'		Bridge No.	BUTWENT	417.96				
DETAILS - ABUT NUMBER: 1		vort. Glodi.		Span Length:		14'-0"					
					ī						
Descriptio	n: Looking V	Vest - (10) 8"x	16.5" Timber St	ingers, S	Stone Abutment						
Inene	cted By:	lr	senh Holste PF		Date In	snected:		12/9/2020			





BRIDGE INSPECTION REPORT STONE ABUTMENT										
Span:		TANGENT	Vert. Clear:	1.5'	Bridge No.			417.96		
DETAILS -	ABUT NUMB	ER: 2			Span Leng	th:				
	LS		S. S	208.6068	S. WORLAGONERA					
Remarks:	n: Looking Ea	ast - (10) 6 X	16.5" Timber S	ungers, Si	one Abutme	nı.				
	se stone in wi	ngwall - see p	hoto							
Inened	cted By:	lo	seph Holste, Pl		Da	te Inspected:		12/9/2020		



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 REPORT									
						INS	SPECTION TYP	E:	Ann	nual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	418.02					Date	9-Dec-20	Time	1:40	PM
Location	Santa Paula B	ranch Line	-				or Name		oseph Holst	
	Santa Paula, C						ne Number		303-501-1	
Stream			Overpass		Other	X			ilson & Cor	
	erating Speed:	Freight:	_				_		110011 01 001	parry
DECK	Type:		Number o			Visual C	Condition Rating		5	
2_0.1	RAIL	Weight:	-	Type:	Jointed	-	isual Condition	-		
	<u> </u>	Notes:	Both appr			-		· tatii igi		
	TIES	Type:	Timber		Tie Condition	n Rating:	3			
	1120	Notes:	2 bad ties		rio Gorialio	irraang.		_		
	BALLAST	Depth:	12"		ast Conditio	n Rating:	5			
		Notes:			t end - south	_		_		
	DECK PLANKS		Timber				5	Notes:		
	OTHER	Type:		_		_	-			
		71				3	-	_		
SUPERS'	TRUCTURE									
	Visual Condition	n Rating	5							
	Туре:	Culvert:	Number b	arrels		Ro	und or Rect		Size	
	<b>71</b>		Approx Lr			-	Concrete		Steel	
		Bridge:	Steel	.5		•	Timber	15'	Concrete	
		Type:	Truss	-		- D	eck Girder		Through	
		. , po.	Trestle	-			ook on do.		Girder	
			Num Spai	ns		1	Approx. S	Span Ler	-	14'-0"
		Notes:	rtain opai		Ballast deck			pan Loi	iguio _	110
		110103.			Janast GCCK	timber ti	Colic		-	
SUBSTR	UCTURE									
0020110	Visual Condition	n Rating			5					
	Bent:	· ·		Туре			- Notes	6		
	Abutment:		5	Type	St	one	- Notes			
	Wingwalls:		5	Type		one	- Notes	-		
	Embank			Type			- Notes			
	Footing			Type			- Notes			
	Inaccessible a	eas:					_			
STRFAM	CHANNEL									
OTTLEAM	Visual Condition	n Rating	3							
	Stream Depth	J	Scour Evi	dence	Υ	es	Moving Water		None	
	Notes	2' scour a	at Abutmen	ıt #1, Larç	ge drop betw	een upst	tream and down	stream	culverts-like	ely
		future sco	our issues							
OVERAL	L RATING									
	High Priority		_Medium F	Priority			_Low Priority		X	





BRIDGE INSPECTION REPORT TIMBER STRUCTURE           Spans:         1         Alignment:         Curve         Vert. Clear:         8'         Bridge No.           No. of Tks:         1         Deck Type:         Ballast         Br. Over:         Drainage         Overall Leng           ENVIRONMENT         STRINGERS         B08 Sash Brace           E01 Scour         5         S01 Stringers         5         B09 Long Brace           E02 Channel         3         S02 Line Bolts         N/A         B10 Cap Long Brace           E03 Approach         3         S03 Bearing @ Cap         5         B11 Shims           DECK         BENTS         MISC. OTHER           D01 Ties (OD only)         N/A         B01 West Backwall         5         M01 West Wingwall           D02 Ties Spacers         N/A         B02 East Backwall         5         M02 East Wingwall           D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         Overall Rating:           D06 Footwalk         N/A         B07 Cross Braces         N/A         Overall Ratin	418.02 th: 15' N/A N/A N/A N/A 5 3
No. of Tks:	th: 15'  N/A  N/A  N/A  N/A  N/A  S  3
STRINGERS   B08 Sash Brace	N/A N/A N/A N/A 5 3
E01 Scour         5         S01 Stringers         5         B09 Long Brace           E02 Channel         3         S02 Line Bolts         N/A         B10 Cap Long Brace           E03 Approach         3         S03 Bearing @ Cap         5         B11 Shims           DECK         BENTS         MISC. OTHER           D01 Ties (OD only)         N/A         B01 West Backwall         5         M01 West Wingwall           D02 Ties Spacers         N/A         B02 East Backwall         5         M02 East Wingwall           D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         Overall Rating:           D06 Footwalk         N/A         B07 Cross Braces         N/A         Overall Rating:	N/A N/A N/A 5 3
Solid Column   Soli	N/A N/A 5 3
Solid Bearing @ Cap   5   B11 Shims	N/A 5 3
DECK         BENTS         MISC. OTHER           D01 Ties (OD only)         N/A         B01 West Backwall         5         M01 West Wingwall           D02 Ties Spacers         N/A         B02 East Backwall         5         M02 East Wingwall           D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         N/A         Overall Rating:           D06 Footwalk         N/A         B07 Cross Braces         N/A         Overall Rating:	5 3
D01 Ties (OD only)         N/A         B01 West Backwall         5         M01 West Wingwall           D02 Ties Spacers         N/A         B02 East Backwall         5         M02 East Wingwall           D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         N/A         Overall Rating:           D06 Footwalk         N/A         B06 Posts         N/A         Overall Rating:           D07 Handrail         N/A         B07 Cross Braces         N/A	3
D02 Ties Spacers         N/A         B02 East Backwall         5         M02 East Wingwall           D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         N/A           D06 Footwalk         N/A         B06 Posts         N/A         Overall Rating:           D07 Handrail         N/A         B07 Cross Braces         N/A	3
D03 Rail         3         B03 Caps         5         M03           D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A         N/A           D06 Footwalk         N/A         B06 Posts         N/A         Overall Rating:           D07 Handrail         N/A         B07 Cross Braces         N/A	
D04 Ballast Floor         3         B04 Piles         N/A         M04           D05 Ballast Retainer         5         B05 Framed Bents         N/A           D06 Footwalk         N/A         B06 Posts         N/A           D07 Handrail         N/A         B07 Cross Braces         N/A	5
D05 Ballast Retainer         5         B05 Framed Bents         N/A           D06 Footwalk         N/A         B06 Posts         N/A           D07 Handrail         N/A         B07 Cross Braces         N/A	5
D06 FootwalkN/AB06 PostsN/AOverall Rating:D07 HandrailN/AB07 Cross BracesN/A	5
D07 Handrail N/A B07 Cross Braces N/A	
COMMENTS	
Reference Remark	
Handrail No handrail	
Stringers Stringers #5, 6, 7 crushing (1/4") @ abutment 2 - see photo	
Deck Multiple deck planks showing signs of rot and multiple holes - see photo	
MAINTENANCE RECOMMENDATIONS	
Priority Description	
E02, B Clear debris from under bridge	
E03, B Raise approaches both ends	
D03 Replace rail with heavier section as tonnage dictates	
M02, B/C Install wingwall east end to prevent ballast loss	
D04, B Replace failed deck planks	
CONDITION RATING PRIORITION	ГҮ
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	
3. Satisfactory but with exceptions: Slow order may be required. D. Within 5 years	
4. Worker Safety: items such as ( handrail, footwalk, etc.) E. Within 10 years	
5. Good with minor exceptions M. Monitor, Condition	may change &
6. New Bridge - raise priority	
7. Not inspected: Reason stated	
Inspected By: Joseph Holste, PE Date Inspected:	





		ORT STONE ABUTMENT	
pan: 1 Alignment: CURVE	Vert. Clear: 8'	Bridge No.	418.02
ETAILS - ABUT NUMBER: 1		Span Length:	14'
HW	Rot	Deb	
	5"x17" TimberStringers,	Abutment #1 is stone	
emarks:			
emarks: HW - Stringer 12 sounds hollow. S			
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
escription: Looking West - (12) 7. emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate Rot - Multiple deck planks showing	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	
emarks: HW - Stringer 12 sounds hollow. S Deb - Debris on sill plate	plitting horizontally for full l	ength.	





	BRIDGE INSPECTION REPORT STONE ABUTMENT											
Span:	Alignment:	CURVE	Vert. Clear:	8'	Bridge No.	418.02						
DETAILS	- ABUT NUME	BER: 2			Span Length:							
				\$								
Dogovinti	ioni I ookina E	ant Abuton	ant #2 is atoms									
Remarks		ast - Abutm	ent #2 is stone									
		hallast retain	er, extend retainer	and add h	allast (see photo)							
	ers 5 through 9			and dad s	under (000 prioto)							
	<u> </u>											
Insp	ected By:		Joseph Holste, PE		Date Inspected:	12/9/2020						



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 on sill plate



418.02 Deck planks showing signs of rot and multiple holes



418.02 Stringers #5 through #9 crushing at Abutment 2





				BRIDGE IN	ISPECTIO	N REP	ORT				
						IN	ISPECTION TYP	E:	Anr	nual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION		
Milepost	419.42				_	Date		Time		) PM	
Location		anch Line	_			Inspect	tor Name	_	oseph Hols		
	Santa Paula, C						one Number		303-501-1		
Stream	X (Unknown		Overpass		Other			,	Wilson &		
	erating Speed:		_				J 5			- Company	
DECK	Type:		Number o			Visual (	Condition Rating		5		
	RAIL	Weight:	_	Type:	Jointed	•	Visual Condition I	Rating:			
		Notes:		_ oaches east		•					
	TIES	Type:	Timber		Condition		ı: 5				
		Notes:		_				-			
	BALLAST	Depth:	12 in	Ballast	t Condition	n Rating	j: 3				
		Notes:		<del>_</del> allast and lov		J		-			
	DECK PLANKS	Type:	N/A		Condition	n Rating	j:	Notes:			
	OTHER	Type:		_			):	-			
		, , , , , , , , , , , , , , , , , , ,			_			_			
SUPERS	TRUCTURE										
	Visual Conditio	n Rating	5								
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size		
			Approx Lr	ngth.		•	Concrete		Steel		
		Bridge:	Steel			1	Timber		Concrete	30'	
		Type:	Truss				Deck Girder		Through		
			Trestle			1			Girder		
			Num Spa	ns	,	1	Approx. S	pan Le	ngths	30'	
		Notes:		Concrete	double bo	x girder	r - built 1969				
0110070											
SUBSTR	Visual Conditio	n Pating		5							
	Bent:	irrating		Type			– Notes	:			
	Abutment:		5	_ Type Type	Con	crete		Steel p	nilee		
	Wingwalls:		0	_ Type Type							
	Embank			_ Type			_ Notes				
	Footing			_ Type			_ Notes				
	Inaccessible ar	eas.		_ ' ' ' ' ' '	-		_				
	maccocciono an	ouo.									
STDEAM	CHANNEL										
STILLAN	Visual Conditio	n Rating	3								
	Stream Depth	0	Scour Evi	dence	y	es	Moving Water		no		
	Notes	Channel	is degradir	ng. 3' of stee	el pile curr	ently ex					
OVERAL	L RATING		Medium F	Priority			Low Priority		Y		
	High Priority			Hority			_ LOW FIIOHILY		Х		



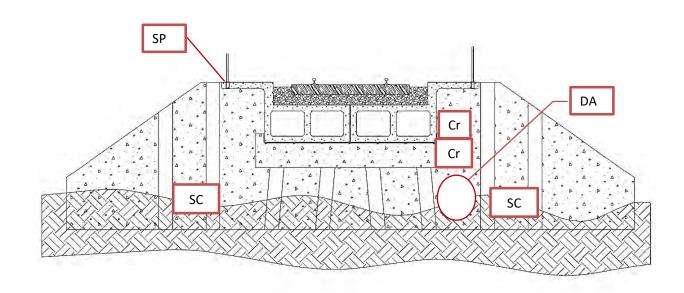


WANTENTE/OODDIVION		E INSPECTIO	N REPORT	CONCRETE S	TRUCTU	RE					
Spans:	1	Alignment:	Tangent	Vert. Clear:	20'	Bridge No.	419.42				
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	30'				
ENVIRONMENT		GIRDERS			A06 Pier	Shaft	N/A				
E01 Scour	3	S01 Girder		5	A07 Piles	3	5				
E02 Channel	3	S02 Bearings	3	5	A08						
E03 Approach	3	<b>ABUTMENTS</b>	S & PIERS		A09	A09					
DECK		A01 East Abu	utment	3	MISC. O	THER					
D01 Rail	3	A02 East Wir	ngwalls	5	M01	M01					
D02 Footwalk	5	A03 West Ab	utment	3	M02						
D03 Handrail	3	A04 West Wi	ngwalls	5	M03						
D04		A05 Pier Cap	)	N/A	M04						
D05					Ove	erall Rating:	4				
			COMMENT	<u> </u>	<u> </u>						
Reference				Remark							
Structure	Underside wa	alkway spall or	south side und		om the wes	st - see photo					
Walkway			ooth sides of brid								
Utility		ing parallel 50									
Channel		imately 25' do									
		MAINTEN	NANCE RECOM	IMENDATION	S						
Priority				Description							
Α	Remove over	head vegetation	on	•							
E01, E02, B/C, M		and protect bo									
E03, B	Raise approa	ches									
D01	Replace rail a	as needed to m	natch tonnage								
D03, A	Repair handr	ail both sides									
A01, A03	See note abo	ve - E01									
A03, M	Crack in Abut	tment #1 cap.	Monitor condition	on and raise pr	riority if co	ndition worsens					
	CONDI	TION RATING				PRIORITY					
1. Failed (may requ	ire bridge out	of service)			A. Imn	nediately					
2. Deficient: OK for c			man/Inspector fo	r all trains		nin 1 year					
until repaired.			·			nin 3 years					
3. Satisfactory but w	ith exceptions:	Slow order m	ay be required.		D. With	nin 5 years					
4. Worker Safety: ite	ms such as ( h	andrail, footwa	alk, etc.)		E. With	nin 10 years					
5. Good with minor e	,		<u>-</u>			nitor, Condition may	change &				
6. New Bridge					7	e priority	Ü				
7. Not inspected: Re	eason stated					-					
Inspected	d By:	J	loseph Holste, F	PE	D	ate Inspected:	12/9/202				





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



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

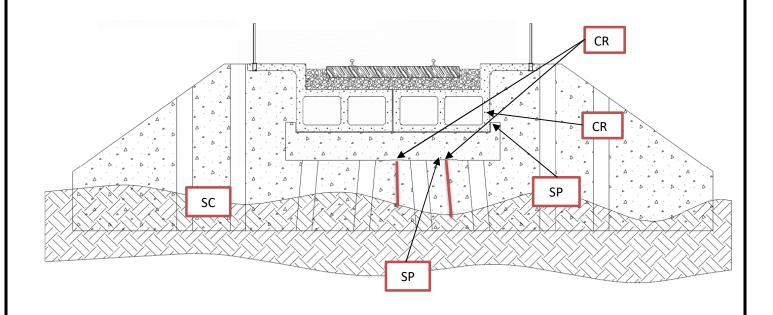
Inspected By:	Joseph Holste, PE	Date Inspected:	12/9/2020





Inspected By:

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



# Description: Looking East - 80"x30" Concrete box, concrete abutment #2 with steel piles 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:

12/9/2020

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 Scour approximately 25' downstream



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	ON REPO	ORT				
						IN:	SPECTION TYP	E:	Ann	ıual	
	STRU	CTURE IN	IFORMAT	ION			INSPECTION INFORMATION				
Milepost	419.92					Date	9-Dec-20	Time	3:00	PM	
Location	Santa Paula Bi	anch Line				Inspect	or Name	_ J	oseph Holst	te, PE	
	Fillmore, CA				_	Telepho	one Number		303-501-12	215	
Stream	X (Unknown	Creek)	Overpass		Other		Company	/ V	Vilson & Cor	npany	
Train Ope	erating Speed:	Freight:	10 mph	Passenger	 : 15 mph						
DECK	Type:	Ballast	Number o	of Tks	1	Visual (	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed	\	/isual Condition	Rating:	3		
		Notes:	Low appr	oaches east	and west	, section	loss at rail top				
	<u>TIES</u>	Type:	Timber	Tie	Condition	n Rating	: 5	_			
		Notes:									
	<b>BALLAST</b>	Depth:	14 in	Ballast	Condition	n Rating:	3	_			
		Notes:	Hole in ea	ast and west	ballast ne	ear east	and west approa	ach			
	<b>DECK PLANKS</b>	Type:	Timber	<u> </u>	Condition	n Rating	:5	_Notes:			
	<u>OTHER</u>	Type:			_Condition	n Rating	:	_			
SUPERS	TRUCTURE										
	Visual Condition	n Rating	5	<u> </u>							
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size		
			Approx Li	ngth.			Concrete		Steel		
		Bridge:	Steel				Timber	90'	Concrete		
		Type:	Truss			D	eck Girder		Through		
			Trestle			X			Girder		
			Num Spa	ns		6	_ Approx. S	Span Le	ngths	15'	
		Notes:			Ballast De	eck Trest	tle				
SUBSTR		D4:		0							
	Visual Condition	n Rating	2	<u>3</u>	Tim						
	Bent:		3	_Type		nber	_ Notes				
	Abutment:		3	_Type	III	nber					
	Wingwalls: Embank			_Type			_ Notes				
				_Type			_ Notes				
	Footing Inaccessible ar			_Type			_ Notes	·——		<del></del>	
	maccessible at	eas.									
0705414											
SIREAM	CHANNEL Visual Condition	n Pating	3								
	Stream Depth	0	Scour Ev	_ idence	V	es	Moving Water		no		
	Notes		_				of pile indicated	and 20			
							·		,		
								-			
OVERAL	L RATING										
	High Priority		_Medium F	Priority		X	Low Priority				





MAINLINE/SUBDIVISI	ON: VCTC						
	BR	IDGE 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		<b>STRINGERS</b>			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 I	_ong Brace	N/A
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shim	S	5
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ab	utment	3	M01		
D02 Ties Spacers	N/A	B02 East Abu	ıtment	5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	3	B04 Piles		5	M04		
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A			
D06 Footwalk	N/A	B06 Posts		N/A	Ove	rall Rating:	3
D07 Handrail	N/A	B07 Cross Br	aces	3			
			COMMENT	<u></u>			
Reference			COMMENT	Remark			
Utilities	Petroleum	utility runs under	around on right		o track at 5	<u>O'</u>	
Handrail	No handrail		ground on right	side, paraller t	U HACK AL J	0	
Backwall		vall undermined	and rotton soo	nhoto			
				prioto			
Rail	Dump north	east approach -	see photo				
		MAINTEN	NANCE RECOM	MENDATION	S		
Priority				Description			
E01, E02, A	Protect Abu	tment #1 from fu	urther scour				
E03, B	Raise appro	paches both end	S				
B07 to B09, B	Replace mis	ssing, rotted and	broken bracing				
D04, B	Repair hole	s in ballast near	abutment 1				
B01, B/C	Replace ba	ckwall planks					
D03	•	l as needed to m	natch tonnage				
D05, B/C		ight of SW balla		ld ballast			
, 							
	CONI	DITION RATING				PRIORITY	
1 Failed (may requ			<u> </u>		A Imama		
1. Failed (may requ			nan/Inanastar fa	r all trains		ediately	
<ol><li>Deficient: OK for ountil repaired.</li></ol>	pperauons, bu	actequites riagn	nan/mspecior 10	ı alı lialiis		in 1 year	
<b>'</b>	ith overstiss	o. Clour order :	av ha raquirad			in 3 years	
3. Satisfactory but w					1	in 5 years	
4. Worker Safety: ite	,	nandrali, footwa	ык, екс.)		1	in 10 years	
5. Good with minor 6	exceptions					itor, Condition may	y change &
6. New Bridge	2000 24-4- 1				- raise	e priority	
7. Not inspected: Ro						4-1	40/0/0000
Inspecte	a By:	J	oseph Holste, P	E	Da	ite Inspected:	12/9/2020



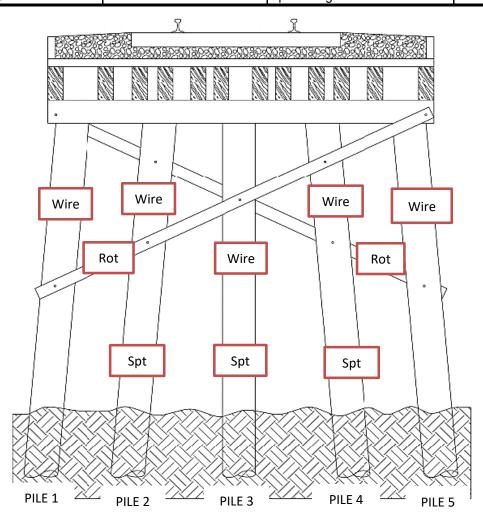


		BR	RIDGE INSP	ECTION	REPOR	RT TIMBE	R ABUTI	/IENT		
Span: 1	Alignment:	CURVE	Vert. Clea	ar:	12' +	Bridge No	).			419.92
•	ABUT NUME	BER: 1				Span Len				14'
	158756 158756		<u>][</u>	23000	<u> </u>	28,020,031 28,020,031	<u>][</u>	588 2688 2688 2688	\$ \$5.00 \$ 55.00 \$ 55.0	5688
	PILE 5	Rot	DR PILE 4		PILI	3	F	PILE 2		PILE 1
)ooorintio	nı Lookina u	root (12) 7.7	75"×47 5" of	ringere	timbor	abutmant t	· 4			
Remarks:	n: Looking w	7651 - (12) /./	3 X17.5 St	myers	, umber	abuunent #	• 1			
	4) - Pile #4 ha	as 2" shell an	d is hollow							
	est Backwall is			sing bal	last leak	- see photo				
	nds on piles 1			5 241						
	vertopping S\		niner - see pl	noto						
	most to abutn				base - se	e photo				
o. Scoul al						<u> </u>				
	il collici di ce									
6. Pile #3 c		p not bearing								
6. Pile #3 c 7. Pile #4 a	ınd #5 pile ca <sub>l</sub>									
6. Pile #3 c 7. Pile #4 a 8. Stringer		rs split along	bolts	1						
6. Pile #3 c 7. Pile #4 a 8. Stringer	ınd #5 pile ca <sub>l</sub> 5 and 9 repai	rs split along	bolts	l						
6. Pile #3 c 7. Pile #4 a 3. Stringer	ınd #5 pile ca <sub>l</sub> 5 and 9 repai	rs split along	bolts	i						
6. Pile #3 c 7. Pile #4 a 8. Stringer	ınd #5 pile ca <sub>l</sub> 5 and 9 repai	rs split along	bolts	i						
6. Pile #3 c 7. Pile #4 a 8. Stringer	ınd #5 pile ca <sub>l</sub> 5 and 9 repai	rs split along	bolts	1						





				BRIDGE INSPE	CTION REI	PORT TIMBER BENT	
Spans:	2	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAIL	S -	BENT NUMB	ER: 2			Span Length:	15'



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

#### Remarks:

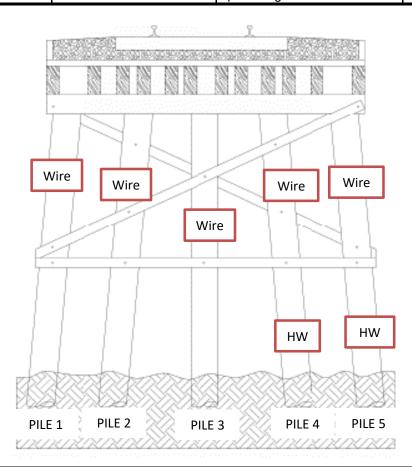
- 1. Severe scour at bent #2
- 2. Wire All piles have been wire wrapped because of vertical splitting
- 3. Rot Span #1 sway brace is rotted out
- 4. Rot Span #2 sway brace is rotted out at pile #5 see photo
- 5. Span #2 longitudinal bracing is missing
- 6. Spt Piles #2, #3, and #4 are split 1" see photo
- 7. Stringer 9 repair split along bolts

Inspected By: Joseph Holste, PE Date Inspected: 12/9/2020			
	Inspected By:	Joseph Holste, PE	12/9/2020





				BRIDGE INSPE	CTION REP	ORT TIMBER BENT	
Span:	3	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAII	_S -	BENT NUMBI	ER: 3			Span Length:	15'



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

#### Remarks:

1. All piles are wire wrapped to arrest vertical splits

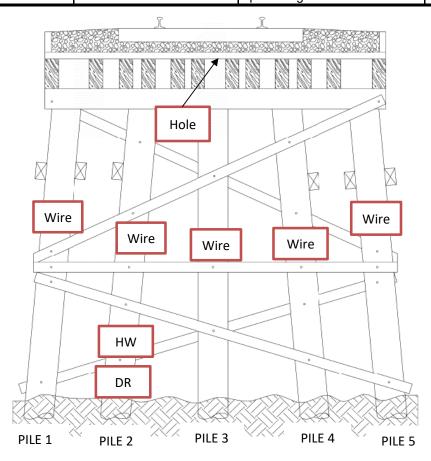
2. Stringer 5, 8, and 10 repairs cracked down middle of board

Inspected By: Joseph Holste, PE Date Inspected: 12/9/2020





				BRIDGE INSPE	CTION REI	PORT TIMBER BENT	
Span:	4	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAI	LS - I	BENT NUMBI	ER: 4			Span Length:	15'



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

#### Remarks:

- 1. Wire All piles wire wrapped to arrest vertical splitting
- 2. HW Pile #2 sounds 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
- 6. DR Pile #2 drilled, 50" diameter, 4" shell then soft core

Inspected By: Joseph Holste, PE Date Inspected: 12/9/2020

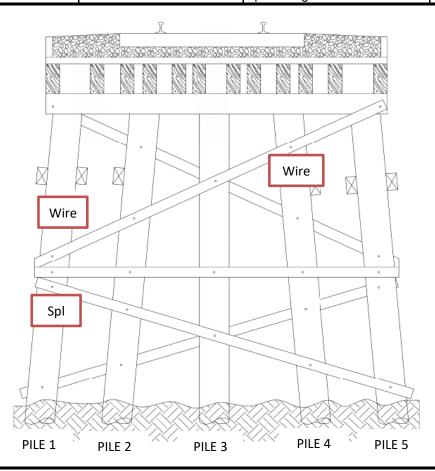




12/9/2020

#### MAINLINE/SUBDIVISION: VCTC

				BRIDGE INSPE	CTION REP	ORT TIMBER BENT	
Span:	5	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAIL	_S -	BENT NUMB	ER: 5			Span Length:	15'



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

Joseph Holste, PE

Date Inspected:

#### Remarks:

- 1. Wire Piles #1 and #4 are wire wrapped due to vertical splitting
- 2. Spl Pile #1 is split

Inspected By:

3. Stringers 4, 7, 9, 10 split at repair location

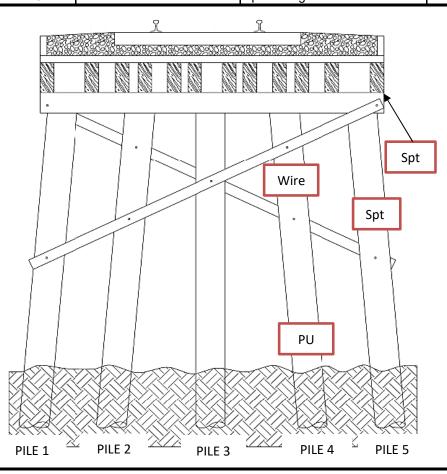




12/9/2020

#### MAINLINE/SUBDIVISION: VCTC

				BRIDGE INSPE	CTION REI	PORT TIMBER BENT	
Span:	6	Alignment:	CURVE	Vert. Clear:	12' +	Bridge No.	419.92
DETAIL	_S -	BENT NUMB	ER: 6			Span Length:	15'



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

#### Remarks:

1. Wire - Pile #4 is wire wrapped to arrest vertical splitting on both sides and sounds soft

Joseph Holste, PE

Date Inspected:

2. Pu - Pile #4 is punky

Inspected By:

- 3. Pile #5 spilt. See photo
- 4. Spt Stringer 12 is split near abutment 7
- 5. Stringer 5 repair split at corner of stringer
- 6. Stringer 4 and 6 repair split at bolt holes



Inspected By:



1-	/SUBDIVISION		RINGE INSPECT	ION REDO	RT TIMBER ABUTMENT	•
Span:	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.	419.92
	- ABUT NUMB		vert. Clear.	Valles	Span Length:	413.32
LIAILS	- ADOT NOME	LK. I			Opan Lengui.	
Spt				3630-38	1 30-30-30-30-30-30-30-30-30-30-30-30-30-3	
22	PILE 1	PI	LE 2	PILE 3	PILE 4	PILE 5
	on: Looking E		LE 2 75"x17.5" stringe			PILE 5
emarks:	on: Looking E	ast - (12) 7.	75"x17.5" string			PILE 5
<mark>Remarks:</mark> . Spt - NE	on: Looking E  wingwall is sp	ast - (12) 7.	75"x17.5" string			PILE 5
<b>Remarks:</b> . Spt - NE . Piles are	on: Looking E  wingwall is sp	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>Remarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
emarks: . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>emarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
emarks: Spt - NE Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
emarks: Spt - NE Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>emarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
temarks: . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>Remarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>Remarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>Remarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
temarks: . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>emarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5
<b>emarks:</b> . Spt - NE . Piles are	on: Looking E  E wingwall is specified	ast - (12) 7.	75"x17.5" stringe			PILE 5

Date Inspected:

12/9/2020

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



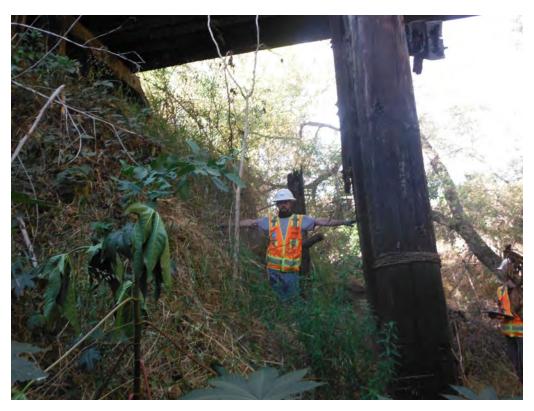
419.92 Rail Dump Northeast approach



419.92 Ballast overtopping SW ballast retainer



419.92 Abutment 1 back wall scour



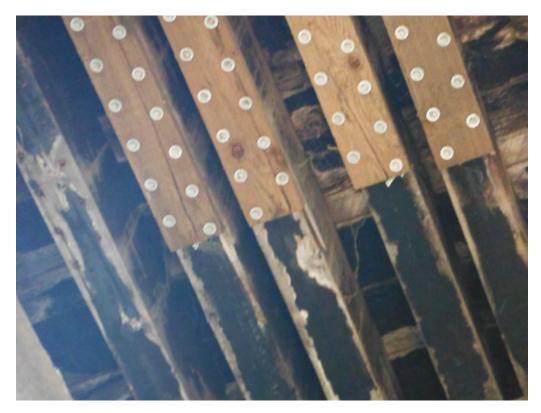
419.92 Typical location of channel bank by Abutment 1



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 REPO	ORT			
						INS	SPECTION TYPE	<u>:</u>	Anı	nual
	STRI	UCTURE	INFORMA	TION			INSPECTION	N INFO	RMATION	
Milepost	420.20					Date	9-Dec-20	Time	3:40	) PM
Location	Santa Paula E	Branch Lir	ne			Inspecto	or Name	J	oseph Hols	te, PE
	Fillmore, CA				_		one Number		303-501-1	
Stream			Overpass	x (Dudley Rd	Other			V	/ilson & Co	
	erating Speed:	Freight:		Passenger:	_					
DECK	Type:		Number of			Visual C	Condition Rating		3	
	RAIL		132#		Jointed	•	/isual Condition F	Ratina:		•
			East appro			•				•
	TIES		Timber		Conditio	n Rating	: 3			
	1120	• •	-	e spilt and ou				•		
	BALLAST	Depth:			Condition		: 3			
	DALLAGI	-		allast - east an		_				
	DECK PLANKS		Timber	allast - cast al			: 3	Notes:	Some faile	
<u>'</u>	OTHER		TITIDEI	-				•	Some faile	<u>u</u>
	OTHER	Type:	-		_Condition	i Nauriy.	:	•		
SUPERS	TRUCTURE									
oo. E.	Visual Conditi	on Ratino	ı 3							
	Type:	-	Number ba	- arrele		Ro	und or Rect		Size	
	туре.	Cuivert.				•	Concrete			
		Dridge	Approx Lng	gui.				60'	Steel	
		Bridge:					Timber	00	Concrete	
		Type:	Truss				eck Girder		Through	
			Trestle			X	Α 0		Girder	451
			Num Span			4	_ Approx. S	pan Le	ngtns	15'
		Notes:		Ballas	st Deck T	mber Tr	estle			
SUBSTR	UCTURE									
	Visual Conditi	on Rating	1	5						
	Bent:		5	Туре	Tin	nber	_ Notes			
	Abutment:		5	Туре		nber	_			
	Wingwalls:			Туре			- Notes			
	Embank			Туре			- Notes			
	Footing			Туре			_			
	Inaccessible a	reas:		.,,,,,			_			
CTDEAM	CHANNEL									
SIKEAW	I CHANNEL Visual Condition	on Ratino	ı N/A							
	Stream Depth	_		lence			Moving Water			
	Notes									
OVERAI	L RATING									
	High Priority	Х	Medium Pr	riority			Low Priority			
	- ,		-	<del>-</del>			_			•
i										





MAINLINE/SUBDIVISI		GE INSPECT	ION REPORT -	TIMBER ST	RUCTURE	:		
Spans:	4	Alignment:	Tangent	Vert. Clear:	8'-3"	Bridge No.	420.20	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Road	Overall Length:	60'	
ENVIRONMENT	•	STRINGERS		Dr. Over.	B08 Sash		N/A	
E01 Scour	N/A	S01 Stringers		3	B09 Long Brace N/A			
E02 Channel	N/A	S02 Line Bolt		N/A	B10 Cap Long Brace N/A			
E03 Approach	3	S03 Bearing		3	B10 Cap Long Brace N/A B11 Shims N/A			
DECK	3	BENTS	ш Сар	3	MISC. OTHER			
D01 Ties (OD only)	N/A	B01 West Ab	utment					
D02 Ties Spacers	N/A	B02 East Abu						
D03 Rail	5	B03 Caps	ıtınent	5				
D04 Ballast Floor	3	B04 Piles		5	M04			
D05 Ballast Retainer	3	B05 Framed I	Rente	N/A	IMU4			
D06 Footwalk	N/A	B06 Posts	Dents	N/A	Ove	erall Rating:	3	
D07 Handrail	N/A	B07 Cross Br	ares	3	1	ran rating.	3	
DOT Hariaran	14/74	D07 01033 D1			<u> </u>			
			COMMENT					
Reference				Remark				
Structure		een burned, 1/4						
Structure		ents under spa						
Structure	Supplemental steel beam added in span 3							
Utilities	Gas utilities running under bridge along span #2							
Handrail	No handrail							
Ballast Curb	Ballast curb rotted at NE end Low ballast, wings undermined at east & west ends							
Ballast	Low ballast, v	wings undermin	ied at east & w	est ends				
<b>5</b>	<del></del>	MAINTEN	IANCE RECO		<u>S</u>			
Priority	01.1			Description				
S03, A	Shim tempora	,						
E03, B	Raise approa							
S01, B		ental steel strir	ngers to replace	e temporary be	nts			
D07, B	Add handrail							
D04, D05, B		t retainer and o	deck planks					
B07, B/C	Repair sway							
B01, B02, C	Repair rotten	backwall						
	CONDI	TION RATING	1			PRIORITY		
, ,	uire bridge out o				-	ediately		
2. Deficient: OK for o	operations, but	requires Flagn	nan/Inspector f	or all trains		in 1 year		
until repaired.						nin 3 years		
<ol><li>Satisfactory but w</li></ol>						nin 5 years		
4. Worker Safety: ite	,	andrail, footwa	alk, etc.)		E. With	in 10 years		
5. Good with minor e	exceptions				M. Mor	nitor, Condition may	/ change &	
6. New Bridge					- rais	e priority		
7. Not inspected: Re						ate Inspected:		
Inspecte	Inspected By: Joseph Holste, PE						12/9/202	



Inspected By:



12/9/2020

			1		RT TIMBER ABUTME	
Span: 1	7 digililient.		Vert. Clear:	8'-3"	Bridge No.	420.20
DETAILS	- ABUT NUME	BER: 1			Span Length:	14'6"
		P	Rot SP	DR	PL	
		vest - (8) 7.5"	x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
Remarks:		vest - (8) 7.5"	x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
<b>Remarks:</b> 1. PU - Pil	e #1 is punky		x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
<b>Remarks:</b> 1. PU - Pil 2. SPT - P	e #1 is punky Piles #2 and #4	1 are split	x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo	e #1 is punky liles #2 and #4 oose at helper	4 are split	x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims ld 4. Rot - Ba	e #1 is punky riles #2 and #4 oose at helper ackwall rotten	4 are split r bent - see photo	x17" stringers,	(2) 3.5" x 1	7" exterior stringers, t	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi	e #1 is punky Piles #2 and #4 pose at helper ackwall rotten ile #3 is hollow	4 are split bent - see photo				imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n		ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: 1. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1
Remarks: I. PU - Pil 2. SPT - P 3. Shims lo 4. Rot - Ba 5. HW - Pi 6. Underm	e #1 is punky liles #2 and #4 loose at helper ackwall rotten lile #3 is hollow lining ballast re	1 are split r bent - see photo v etainer both n	orth and south s	ides - see p	hoto	imber abutment #1

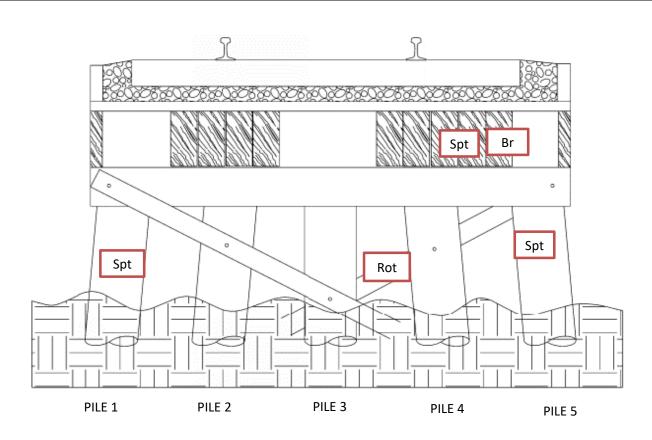
Date Inspected:

Joseph Holste, PE





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



#### Remarks:

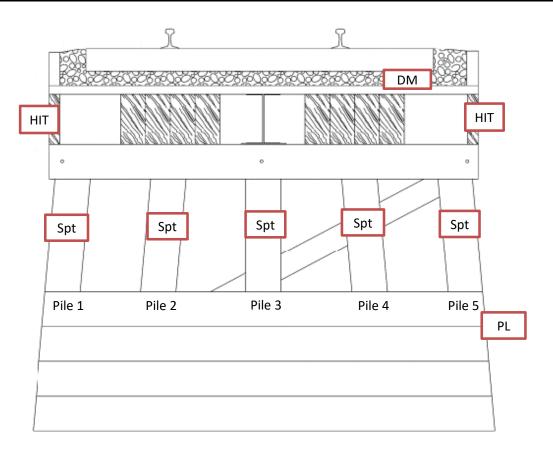
- 1. Br Stringer #9 broken/failed mid span see photo
- 2. SPT Stringer #8 has shear split see photo
- 3. SPT Pile #1 and #5 have vertical split
- 4. ROT Span #2 sway brace is rotten see photo
- 5. Shims loose at bent

Inspected By:	Joseph Holste, PE	Date Inspected:	12/9/2020
-			





	BRIDGE INSPECTION REPORT TIMBER BENT							
Span:	Span: 3 Alignment: TANGENT Vert. Clear: 8'-3" Bridge No. 420.20							
DETAIL	_S -	BENT NUMB	ER: 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

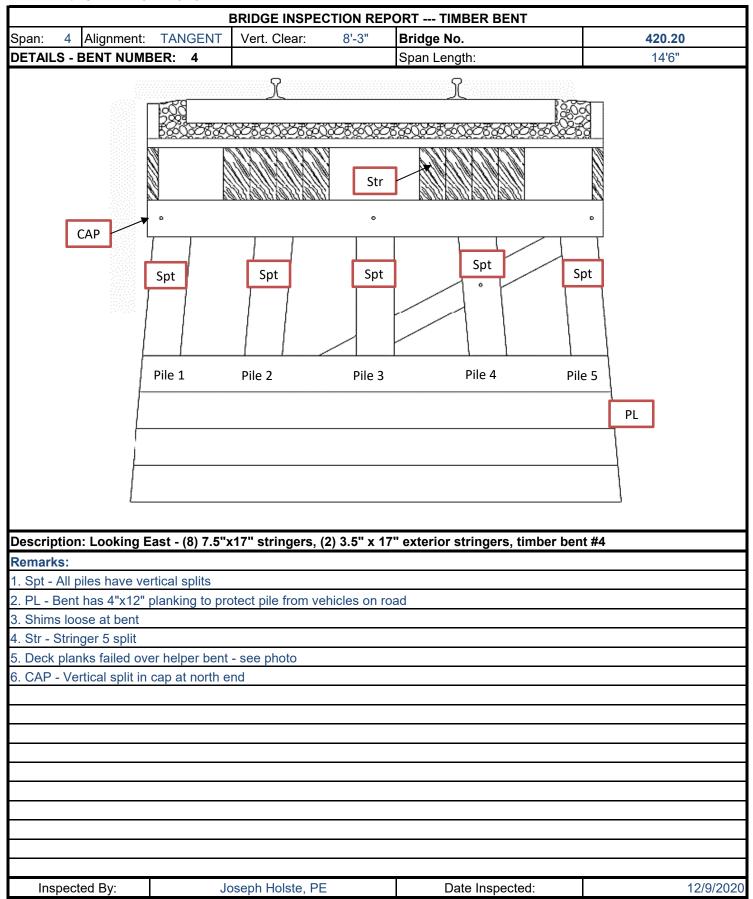
#### Remarks:

- 1. SPT All piles have vertical splits see photo
- 2. DM Stringer #8 has minor damage from high impact load
- 3. PL Bent has 4"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, PE	Date Inspected:	12/9/2020









Inspected By:

Joseph Holste, PE



12/9/2020

	Alignment: TANGENT ABUT NUMBER: 5	Vert. Clear:		e No. Length:	420.20
ETAILS - A	BUT NUMBER: 5				
		Fa  DR  Spt  PILE 1  PILE 2	Rot PILE 3	PILE 4 PILE 5	
escription:	Looking East - (8) 7.5"	'x17" stringers, (2)	3.5" x 17" exter	rior stringers, timber	abutment #5
emarks:	Dila #1 has 0" -f -h "	romoini			
	<ul><li>- Pile #1 has 2" of shell</li><li>#4 ballast boards are fai</li></ul>		see nhoto		
	#1 and #5 have vertical		- see prioto		
	wall is rotten - see phot				
	- Pile #1 drilled 2' from b		1 1/4" shell, soft o	core with intermittent h	ard section rings
\ - /			<u> </u>		
				·	

Date Inspected:



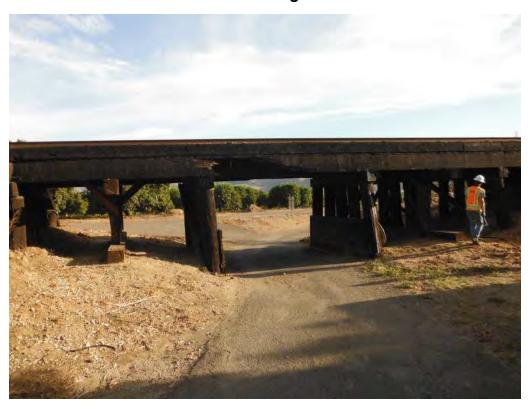
420.20 Looking East



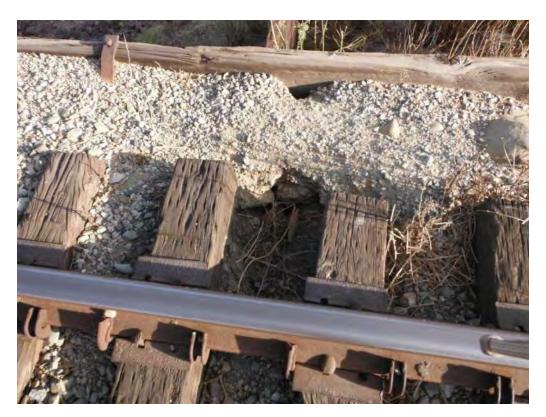
420.20 Looking West



420.20 Looking North



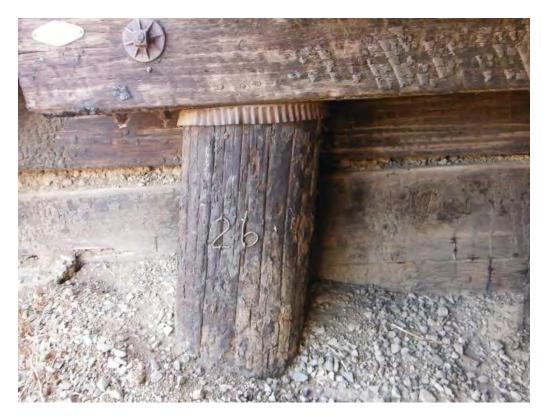
420.20 Looking South



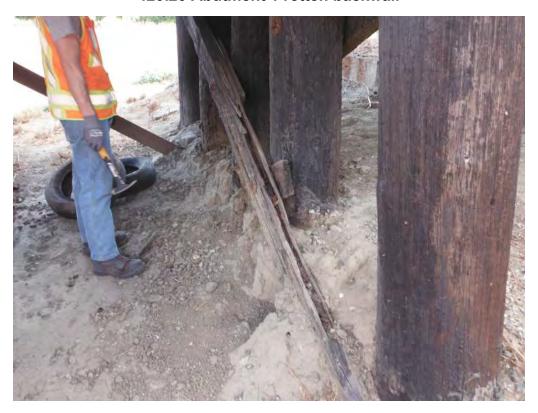
420.20 Typical holes in ballast – east and west ends



420.20 Undermining ballast retainer – north and south sides



420.20 Abutment 1 rotten backwall



420.20 Span 2 sway brace rotten



420.20 Stringer 8 shear split and Stringer 9 failed Span 2



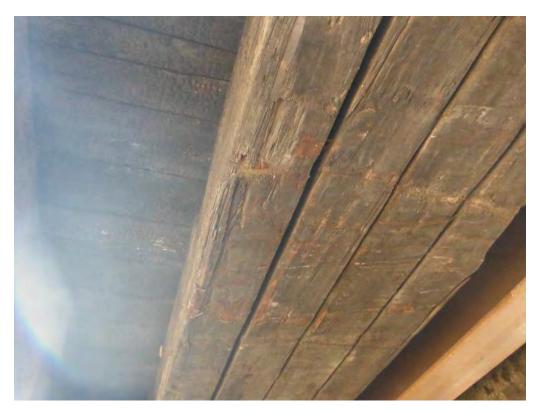
420.20 Bent 2 Pile 5 Split



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	SPECTIO	ON REPO	ORT				
						INS	SPECTION TYP	E: [	Anr	nual	
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTIO	N INFO	RMATION	<u> </u>	
Milepost						Date	10-Dec-20		8:30	AM	
Location		Branch Lir	ne			Inspecto			oseph Holst	_	
	Fillmore, CA				_	-	ne Number		303-501-1		
Stream	x (unknown	creek)	Overpass		_ Other				ilson & Cor		
	erating Speed:			Passenger:			J 5				
DECK	Type:		Number of				ondition Rating		5		-
	RAIL		80#		Jointed	-	isual Condition I	Rating:	3		
		_				-	section loss ea				
	TIES		Timber		e Conditio						
		Notes:				3	-	_			
	BALLAST		13 in	Ballas	t Conditio	n Rating:	5				
		Notes:				3	-	_			
	DECK PLANKS	Type:	Timber		Conditio	n Rating:	5	Notes:			
	OTHER	Type:									
		,						-			
SUPERS	STRUCTURE										
	Visual Conditi	on Rating	5								
	Туре:	Culvert:	Number ba	ırrels		Rou	und or Rect		Size		
			Approx Lng	gth.			Concrete		Steel		
		Bridge:	Steel		'	_	Timber	90'	Concrete		
		Type:	Truss			De	eck Girder		Through	<u> </u>	
			Trestle			Х			Girder		
			Num Spans	S		6	Approx. S	pan Ler	ngths	15'	
		Notes:	Ballast	Deck timber	trestle wit	h suppler	mental steel bea	ms	-		
SUBSTR	RUCTURE	D (;									
	Visual Condition	on Rating		3			-				
	Bent:		3	Type -		nber	Notes				
	Abutment:		3	Type	I in	nber	Notes				
	Wingwalls:			Type			Notes				
	Embank			Type -			Notes				
	Footing			Type			Notes				
	Inaccessible a	ireas:									
OTDEAN	4 OLIANINEI										
SIREAN	I CHANNEL Visual Condition	on Ratino	ı 3								
	Stream Depth	_		ence	V	es	Moving Water		no		
	Notes						embed remainir	ng.	110		
OVERAL	LL RATING										
	High Priority		Medium Pr	iority		X	Low Priority				
1											

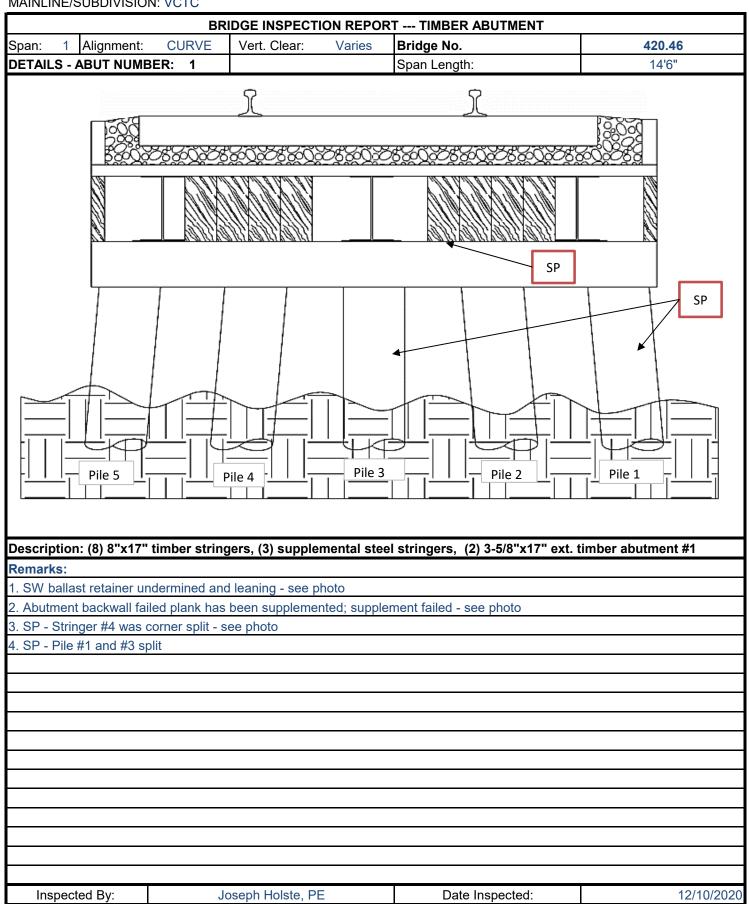




MAINLINE/SUBDIVISIC		CE INSPECT	ION REPORT	TIMDED ST	DUCTUBE			
Spans:	6	Alignment:	Curve	Vert. Clear:	12' +-	Bridge No.	420.46	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	creek	Overall Length:	90'	
ENVIRONMENT	ı	STRINGERS		Dr. Over.	B08 Sash		3	
E01 Scour	3	S01 Stringers		5			N/A	
E02 Channel	3	S02 Line Bolt		N/A	<u> </u>			
E03 Approach	3	S02 Line Bolt S03 Bearing (		5	B10 Cap Long Brace N/A			
<b>DECK</b>	3	BENTS	ш Сар	5		B11 Shims N/A MISC. OTHER		
D01 Ties (OD only)	N/A		ment & Wingwalls	3	M01	HER		
D02 Ties (OD only)				3	M02			
D02 Rail	3	B03 Caps	5					
D03 Raii D04 Ballast Floor	3	B04 Piles		3	M04			
D04 Ballast Floor	5	B05 Framed B	Ponto	N/A	10104			
D06 Footwalk	N/A	B06 Posts	Denis	N/A N/A	0,40	erall Rating:	5	
D07 Handrail		B07 Cross Br	2000	3	Ove	ran Kaung.	5	
DOT Hallulali	IN/A	BUT CIUSS BI						
			COMMENTS					
Reference				Remark				
Wingwall	Wingwall is fa	iling at west e	nd, right side, ba	llast retainer	needed at e	east end		
Walkway, Handrail	No walkway, ı	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 DECOM	MENDATION				
Dui - uit -	T	MAINIEN	IANCE RECOMI		S			
Priority	Daine annua	-h		Description				
E03, B	Raise approa			d: -4-4				
D03	•		ction as tonnage		tand Dani	and went bankwall		
B01, B02, B/C	•				сепа, кері	ace west backwall		
B07, B08, B, M			y brace, attach b	ent 4 brace				
D04, B		n deck planks		it.				
E01, E02, B03, B04, M	Monitor, Cond	nuon may chai	nge & raise prior	ity				
	CONDI	FION DATING				PRIORITY		
1. Failed (may requi		rion RATING	<u> </u>		A. Imm	PRIORITY ediately		
Deficient: OK for o			nan/Inspector for	· all trains		in 1 year		
until repaired.	poradorio, but	i oquilos i lagil	nan/mapootor for	an namo		in 3 years		
Satisfactory but with	th excentions:	Slow order m	av he required			in 5 years		
Worker Safety: iter			<u> </u>			in 10 years		
5. Good with minor ex	,	anaran, 100two	, 0.0.,			itor, Condition ma	v change s	
6. New Bridge	λουμίστιο					ntor, Condition ma e priority	y change &	
7. Not inspected: Re	ason stated				Talo	o priority		
Inspected		ı	oseph Holste, Pl	=	Da	ite Inspected:	12/10/202	









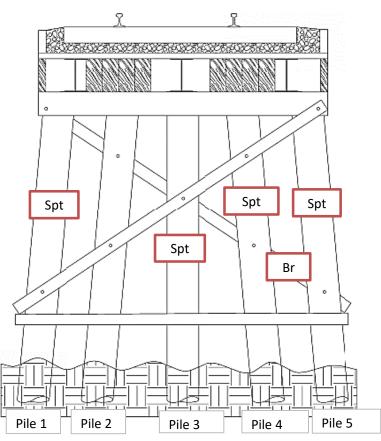


12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

Inspected By:

	BRIDGE INSPECTION REPORT TIMBER BENT								
Span:	2	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.	420.46		
DETAIL	_S -	BENT NUMBI	ER: 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

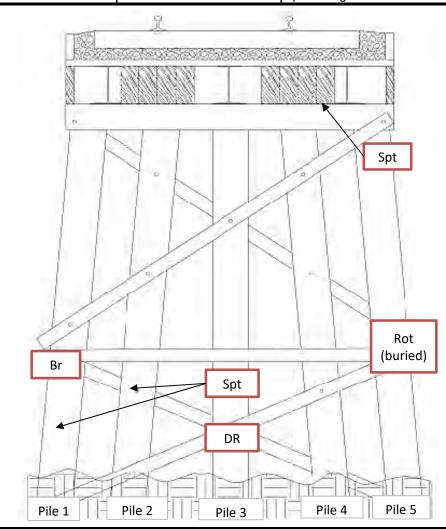
Date Inspected:

Joseph Holste, PE





	BRIDGE INSPECTION REPORT TIMBER BENT						
Span:	3	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.	420.46
DETAILS - BENT NUMBER: 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
- 5. DR (2020) Pile #3 drilled 5' below top of pile cap, 2" creosote depth, 5" shell

Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020



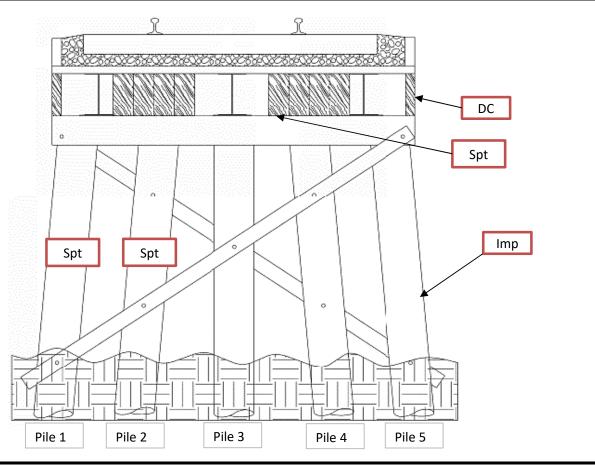


Span: 4 Alignment: CURVE	Vert. Clear:	Varies	ORT TIMBER BENT	420.46
DETAILS - BENT NUMBER: 4	vert. Clear.	varies	Bridge No. Span Length:	15'
ETAILS - BENT NOWIBER. 4			Opan Lengin.	13
Spt		Spt		
Pile 1	Pile 2	☐ Pile 3	Pile 4 Pile 5	
escription: (8) 8"x17" timber string	gers, timber ben	t #4, (3) su	pplemental steel stringers	
Remarks:				
. PU,Spt-Pile #3 is punky and has a		photo		
<ol> <li>SB - Sash bracing is not attached -</li> <li>Slope paving undermining downstre</li> </ol>				
Sope paving undermining downstre     Spt - Stringer 2 corner split - see ph				
1 Process opin	<del>.</del>			
<b>,</b>			_	
Inspected By: Jo	oseph Holste, PE		Date Inspected:	12/10/20





	BRIDGE INSPECTION REPORT TIMBER BENT						
Span:	5	Alignment:	CURVE	Vert. Clear:	Varies	Bridge No.	420.46
DETAIL	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

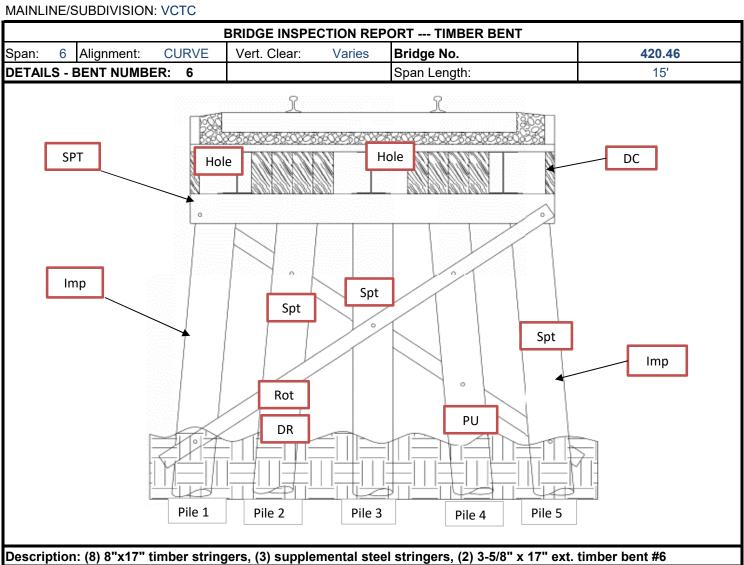
#### Remarks:

- 1. Spt Pile #1 and #2 split see photo
- 2. Imp Impact damage Pile #5 see photo
- 3. DC South exterior stringer has deep checking see photo
- 4. Spt Corner split on stringer #5

Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020







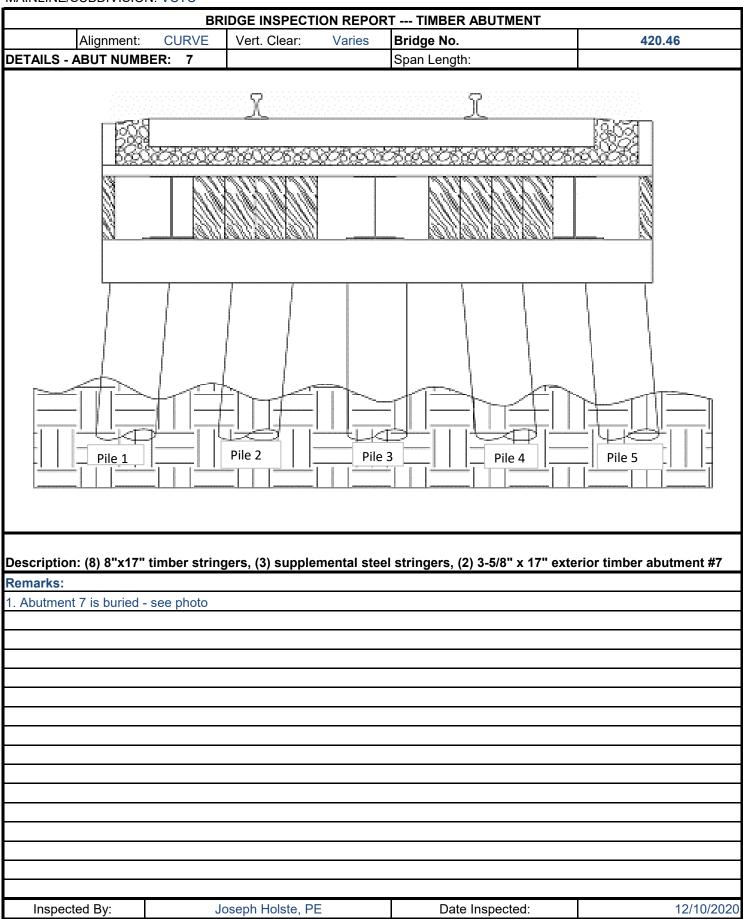
#### Remarks:

- 1. PU-Pile #4 is punky
- 2. Rot, DR (2014) Pile #2 is rotted at bottom, 2" core shell
- 3. Spt-Piles #2, #3 and #5 have vertical split see photo
- 4. SPT Cap is split see photo
- 5. Minor impact pile #1 see photo
- 6. DC South exterior stringer has deep checking see photo
- 7. Stringer #5 and #8 is split
- 8. Sway brace rotten at pile #1 and #5 see photo
- 9. Hole Holes in deck planks see photo
- 10. Stringer 4 corner split at midspan.
- 11. DR (2020) Pile #2 drilled 1.5' & 3' below cap, 1.5" creosote depth, 2.5" shell top, 5.5" shell bottom

,		zepan, zho onen tep, ole enen zettem	
Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/202









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



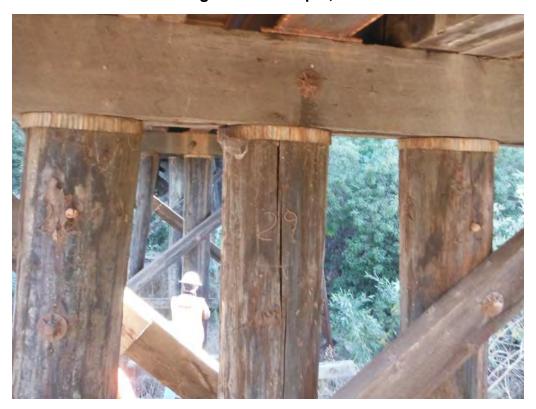
420.46 Southwest wing failing



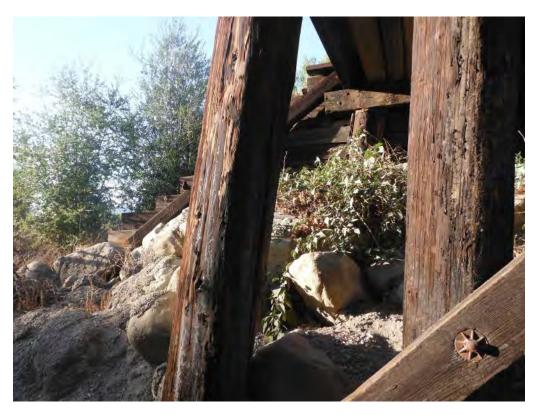
420.46 Abutment 1 backwall failed plank's supplement failed



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



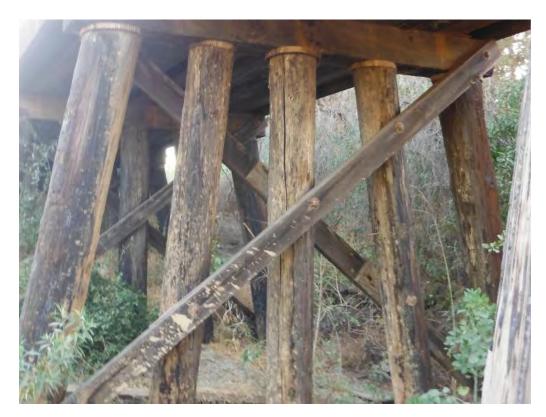
420.46 Pile 3 vertical split, Bent 3



420.46 Scour between Bent 3 and 4



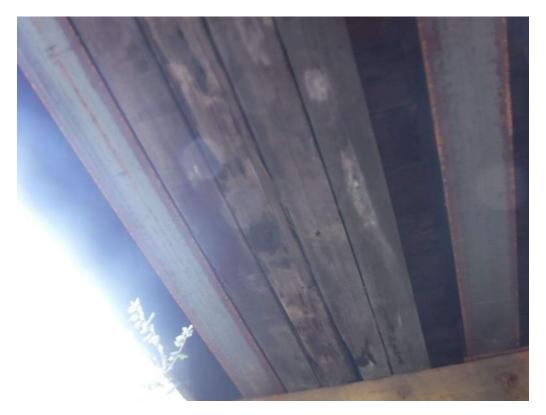
420.46 Slope paving undermining downstream of Bent 4



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 Span 4 stringer 2 corner split



420.46 Impact damage pile 5, Bent 5



420.46 Pile 1 vertical split, Bent 5



420.46 Holes in deck planks, Bent 6



420.46 Pile 1 minor impact, Bent 6



420.46 Pile 5 vertical split, Bent 6



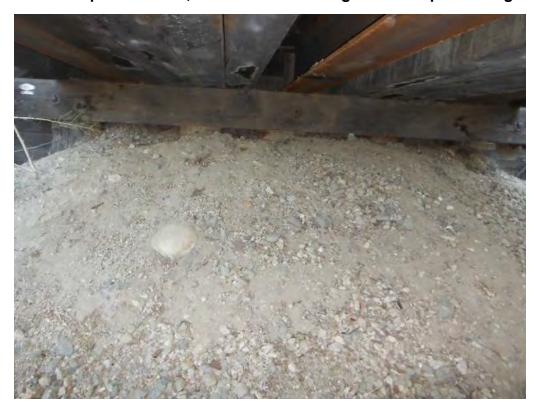
420.46 Cap is split, Bent 6



420.46 Cross bracing rotten, Bent 6



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



420.46 Abutment 7 is buried





BRIDGE INSPECTION REPORT											
						INS	SPECTION TYP	Ε:	Anr	nual	
	STR	UCTURE	INFORMAT	ΓΙΟΝ			INSPECTION	N INFO	RMATION		
Milepost	421.05				_	Date	10-Dec-20		8:45	AM	
Location		Branch Lir	- ne				or Name		oseph Hols		
Location	Fillmore, CA	JIGHOH EII	10		_	-	ne Number		303-501-1		
Stream	x (unknown	creek)	Overnass		_ Other	гоюрно			/ilson & Cor		
	erating Speed:				_		Company		110011 & 001	прану	
DECK	Type:						Condition Rating		3		
	RAIL		_				isual Condition F	Rating:			
	<u> </u>	_		est approach		•	iodai Corrainori i	tuting.			
	TIES						3				
	1120	• •	Poor Cond		Condition	rraung.		=			
	BALLAST		11 in		t Condition	. Rating:	5				
	<u>DALLAGI</u>	Notes:	11111	Dallast	Condition	i italing.		-			
l ,	DECK PLANKS		Timber		Condition	n Rating:	5	Notes:			
-	OTHER	Type:	TITIDEI								
	OTTLK	туре.	-		_Condition	i ixaurig.		-			
SUPERS	SUPERSTRUCTURE										
	Visual Conditi	on Ratino	n 5								
	Type:		Number ba	ırrels		Roi	und or Rect		Size		
	1 )   0.	Ourvort.	Approx Lng				Concrete		Steel		
		Bridge:		gui.		•	Timber	30'	-		
		-	Truss			•	eck Girder		Through		
		Type.	Trestle			•			Girder		
						X	Annroy	non I o		15!	
		Natasi	Num Span				Approx. S	pan Lei	nguis	15'	
		Notes:		Ballast Dec	K IImber	restie -	Built 1897		•		
SUBSTR	UCTURE										
l obboin	Visual Conditi	on Rating	7	3							
	Bent:			Туре	Tim	nber	- Notes				
	Abutment:		3	Туре		crete	- Notes				
	Wingwalls:			Туре			_				
	Embank			Туре							
	Footing			Type			- Notes				
	Inaccessible a	areas:		,,			_				
			-								
STREAM	CHANNEL										
	Visual Conditi	on Rating	<b>5</b>								
	Stream Depth	0	Scour Evid	ence	n	10	Moving Water		no		
	Notes	Channe	l is mostly s	ilted in						_	
OVERAL	L RATING			,			. D				
	High Priority	-	_Medium Pr	iority			Low Priority		Х		

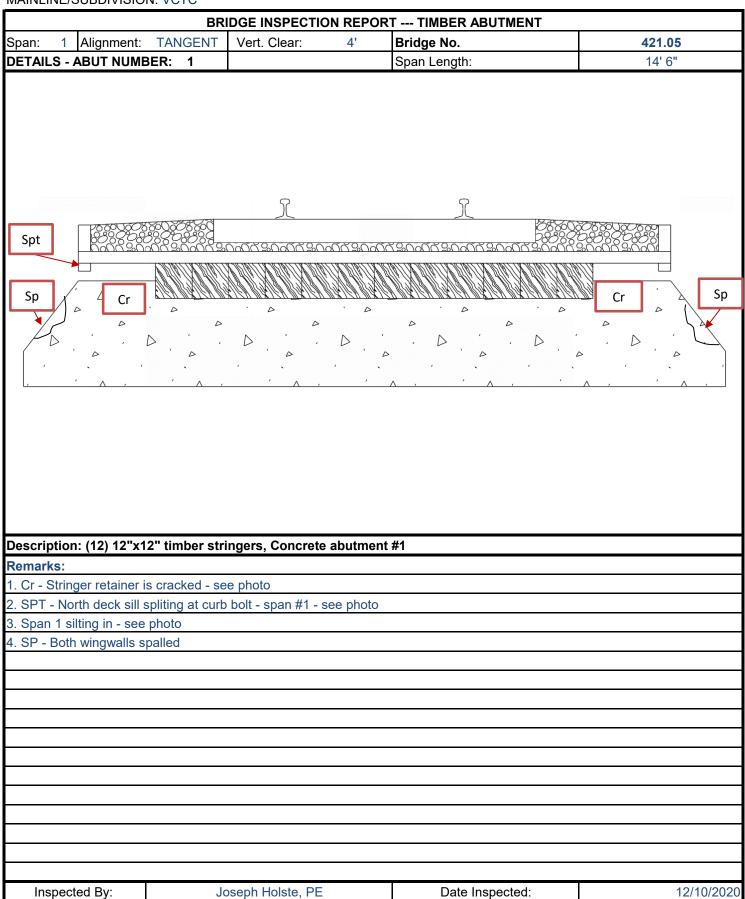




MAINLINE/SUBDIVISI		CE INSDECT	ION REPORT	TIMBED ST	DIICTIIDE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	4'	Bridge No.	421.05
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	30'
ENVIRONMENT	·	STRINGERS		Br. Over.	B08 Sash		N/A
E01 Scour	5	S01 Stringers		5	B09 Long		N/A
E02 Channel	3	S02 Line Bolt		N/A			N/A
E03 Approach	3	S03 Bearing		5	B10 Cap Long Brace B11 Shims		N/A
DECK	3	BENTS	ш Сар	3	MISC. OT		111/71
D01 Ties (OD only)	N/A		ment & Wingwall	3	M01	IILIX	
D02 Ties Spacers	N/A		ment & Wingwall	3	M02		
D03 Rail	3	B03 Caps	nent & Wingwan	5	M03		
D04 Ballast Floor	5	B04 Piles		N/A			
D05 Ballast Retainer	5	B05 Framed	Rents	5	IVIOT		
D06 Footwalk	N/A	B06 Posts	Dente	5	Ove	rall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	5			9
307 Flamaran	14// (	<u> </u>			<u> </u>		
Reference			COMMENTS	Remark			
Utility	Litilities run n	arallel to track	on right side of F				
Utility	<del>-</del>		on right side at 5	oo south			
	Utility pipe running on and under bridge Ballast curb undermined all 4 corners						
Ballast Curb	Vegetation upstream and downstream						
Channel	vegetation up	ostream and do	ownstream				
		MAINTEN	IANCE RECOM	MENDATION	S		
Priority				Description			
E03, B		ches both end					
D03	· ·		ction as tonnage				
B01, B02, B/C	<u> </u>		llast retainers bo	th ends both	sides		
E02, B	Clean silt fron						
E02, B	Remove vege	etation upstrea	m and downstre	am of bridge			
	CONDI	TION RATING				PRIORITY	
1. Failed (may requ						ediately	
2. Deficient: OK for o	operations, but	requires Flagr	nan/Inspector for	all trains		in 1 year	
until repaired.					1	in 3 years	
<ol><li>Satisfactory but w</li></ol>						in 5 years	
<ol><li>Worker Safety: ite</li></ol>	,	andrail, footwa	alk, etc.)		E. With	in 10 years	
<ol><li>Good with minor e</li></ol>	exceptions				M. Mon	itor, Condition ma	y change &
6. New Bridge					- raise	e priority	
<ol><li>Not inspected: Re</li></ol>							
Inspecte	d By:	J	oseph Holste, Pl	E	Da	ite Inspected:	12/10/20







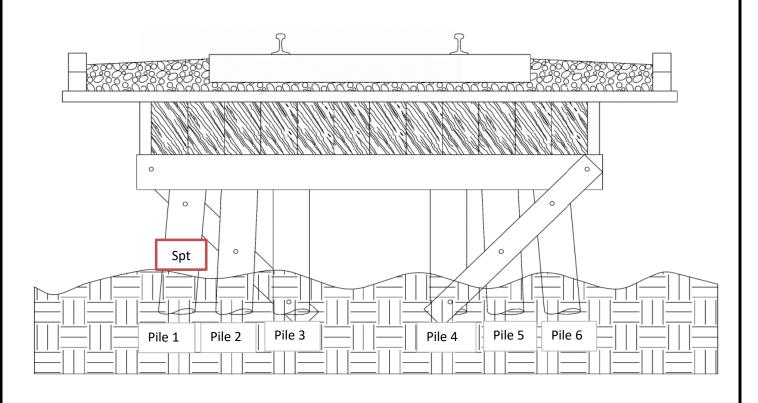




12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

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



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

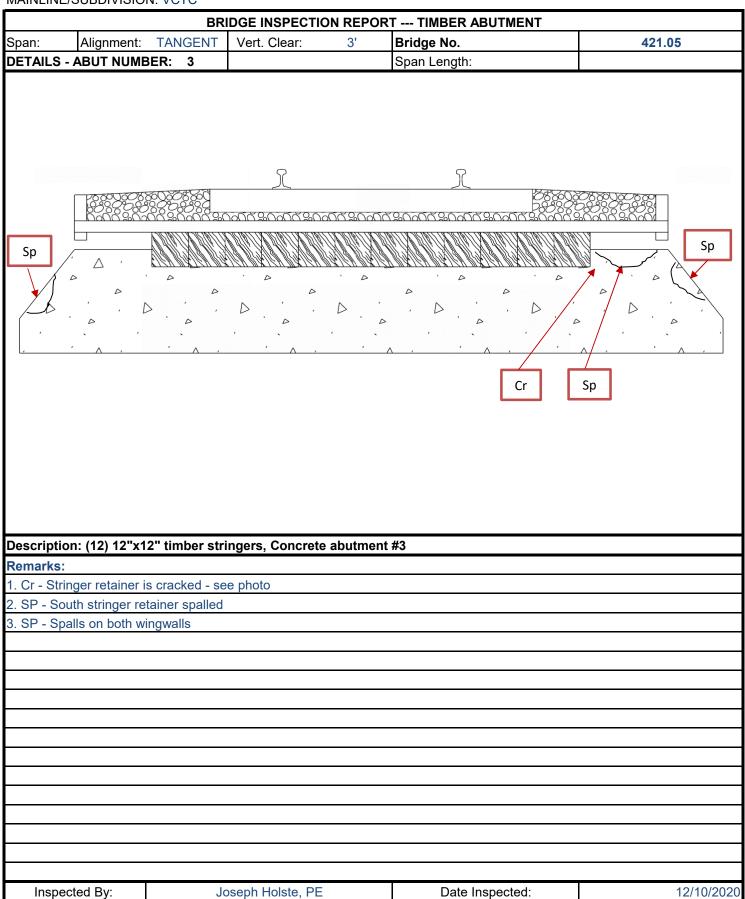
Date Inspected:

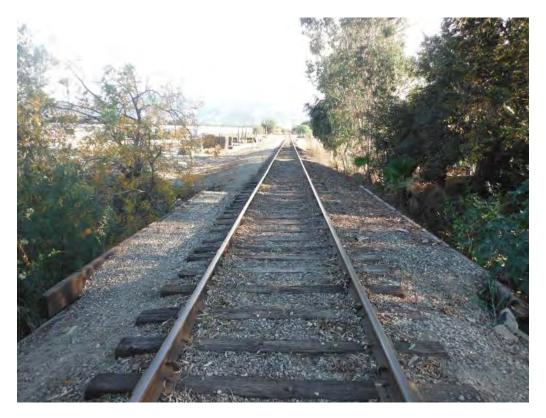
Joseph Holste, PE

Inspected By:









421.05 Looking East



421.05 Looking West



421.05 Looking North



421.05 Looking South



421.05 Channel Condition – Looking Upstream



421.05 Channel Condition - Looking Downstream



421.05 Ballast Curb Undermined all 4 Corners



421.05 Abutment stringer retainer cracked – typical all 4 corners



421.05 Span 1 silting in



421.05 Deck sill splitting - Span 1



421.05 Vertical split in Pile 1 – Bent 2





				BRIDGE IN	ISPECTION	ON REPO	ORT			
						INS	SPECTION TYPE	≣: [	Anr	nual
	STRI	JCTURE	INFORMAT	ΓΙΟΝ			INSPECTION	N INFO	RMATION	
Milepost	421.23					Date	10-Dec-20	Time	9:00	) AM
Location	Santa Paula E	Branch Lir	ne			Inspecto			oseph Hols	_
	Fillmore, CA				_		ne Number		303-501-1	
Stream	x (draina	ige)	Overpass		- Other	•		W	/ilson & Cor	
	erating Speed:		-	Passenger:			- 1 7			
DECK	Type:		Number of			Visual C	Condition Rating		5	
	RAIL	Weight:	80#	Type:	Jointed	V	isual Condition F	Rating:	3	
		_			aged east r	•	rail horiz misalign			w across bridge.
	TIES	Type:	Timber		Conditio					
	· <u></u>	Notes:		•		Ü		-		
	<b>BALLAST</b>	Depth:	8 in	Ballast	Conditio	n Rating:	3			
		•		last over pipe		3		•		
ı	DECK PLANKS		Timber			n Rating:	5	Notes:		
_	OTHER	Type:		•						
		, , , , , , , , , , , , , , , , , , ,			_			•		
SUPERS	TRUCTURE									
	Visual Conditi	on Ratino	3							
	Type:		Number ba	arrels	3	Ro	und or Rect		Size	
	71		Approx Lng			•	Concrete		Steel	<del></del>
		Bridge:		<b>5</b>		•	Timber	30'	Concrete	
		Type:	Truss			De	eck Girder		Through	
		. , , , ,	Trestle			X			Girder	
			Num Span	<u> </u>		2	Approx. S	nan I ei		15'
		Notes:	rtain opan	Ballast Dec				pan Loi	iguio ,	10
				Banast Boo	K THILDOI	110000	<u> </u>		•	
SUBSTR	UCTURE									
002011	Visual Condition	on Rating	1	5						
	Bent:		5	Туре	Tin	nber	Notes			
	Abutment:		5	Туре		crete	_			
	Wingwalls:			Туре			- Notes			
	Embank			Туре			- Notes			
	Footing			Туре			- Notes			
	Inaccessible a	reas:		. 31			-			
STREAM	CHANNEL									
OTICEAN	Visual Conditi	on Ratino	ı 5							
	Stream Depth			lence	r	10	Moving Water		no	
	Notes	Vegetat	ion needs to	be removed	at downs	tream en				
OVERAL	L RATING									
	High Priority		_Medium Pr	riority		X	Low Priority			



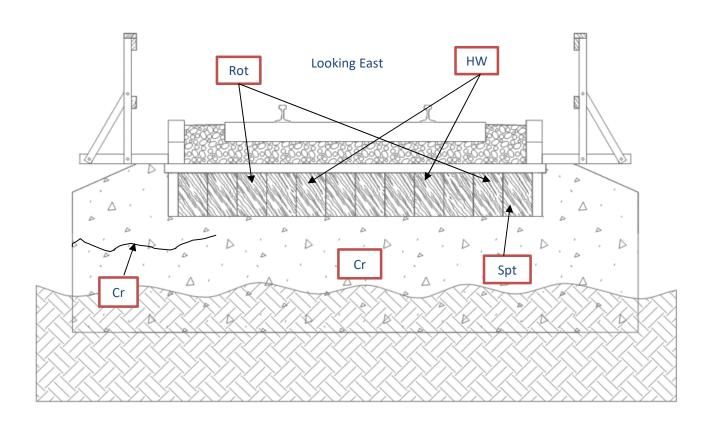


MAINLINE/SUBDIVISI		GE INSPECT	ION REPORT	- TIMBER ST	RUCTURE				
Spans:	4	Alignment:	Tangent	Vert. Clear:	1.5'	Bridge No.	421.23		
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Drainage	Overall Length:	60'		
ENVIRONMENT		STRINGERS			B08 Sash Brace		N/A		
E01 Scour	5	S01 Stringers	<u> </u>	3	B09 Long Brace N/A				
E02 Channel	3	S02 Line Bolt	ts	N/A	B10 Cap Long Brace N/A				
E03 Approach	3	S03 Bearing	@ Cap	5	B11 Shims N/A				
DECK		BENTS	<u> </u>		MISC. OTHER				
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	aces	5					
COMMENTS									
Reference				Remark					
7	Last two spans are covered with concrete and in between spans 3 - 42" culverts were added								
Walkway		Walkway extension planks are in poor condition and handrail is loose on both sides - see photo							
Walkway	South walkway rotten								
Utility	Pipe crossing under bridge on right side								
Ballast	Low ballast, hole in ballast, fouled ballast - see photo								
Channel	Debris covering pipe opening								
Priority	T	MAINTEN	NANCE RECOM		<u>S</u>				
E02, B	Cloop shapp	el downstream		Description					
E03, B		ches both end							
D03			ection as tonnage	dictatos					
D05	<del>-</del>		cuon as tormage	uiciales					
D00, A	Repair walkw Repair handr	•							
S01, B/C, M	•		#1 & #2 in 1 to 3	voors Monite	or if conditi	on worsons			
301, B/C, W	and raise price	•	#1 & #2 III 1 to 3	years. Mornic	or ir corruiti	on worsens			
D04, B		ast depth to 12	) in minimum						
D04, D	•								
4 = " + /		TION RATING	<b>i</b>		<u> </u>	PRIORITY			
1. Failed (may requ			"			ediately			
2. Deficient: OK for o	operations, but	requires Flagr	man/inspector foi	all trains		in 1 year			
until repaired.	data anno e	Olavia I				in 3 years			
3. Satisfactory but w	•					in 5 years			
4. Worker Safety: ite	,	andraii, footwa	аік, етс.)			in 10 years			
5. Good with minor 6	exceptions					itor, Condition may	/ change &		
6. New Bridge					- rais	e priority			
7. Not inspected: Re		1	laaank Halifu Di	_	1	4a luan4- 1	40/40/000		
Inspecte	a By:	· ·	loseph Holste, P	<u> </u>	Da	ate Inspected:	12/10/2020		





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



Remarks:			
I. Rot-Stringers #3 and #11	are rotted		
2. HW-Stringers #5 and #9 a	re hollow		
3. Cr-Abutment #1 has mino	r cracking		
1. Spt - Stringer #12 split			
5. Cr-Horizontal crack on no	rth side abutment		
S. Span 1 silted in with 1'-2'	clearance		
Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020





BRIDGE INSPECTION REPORT TIMBER BENT									
pan: 2	Alignment: TA	NGENT	Vert. Clear:	Varies	Bridge No.	421.23			
ETAILS -	BENT NUMBER:	2			Span Length:	15'			
	WWT	Pile 1	Hol Pile 2 Pi	le 3	Spt Hol Spt Pile 4 Pile 5 Pile 6				

Description:	(12)	12"v12"	timbor	ctringere	. Timber Bent #	2
Describtion.	(12)	12 X 12	umber	stringers.	. i imber bent #	۷.

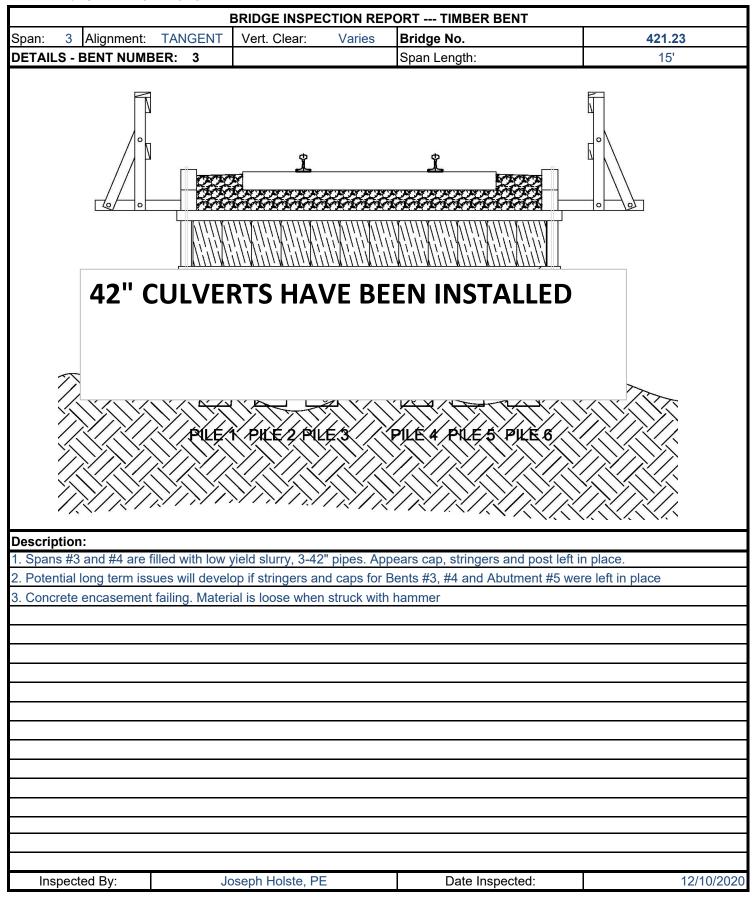
#### Remarks:

- 1. Hol Stringers #3, #7, and #9 are hollow
- 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
- 6. All piles are buried

nspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020

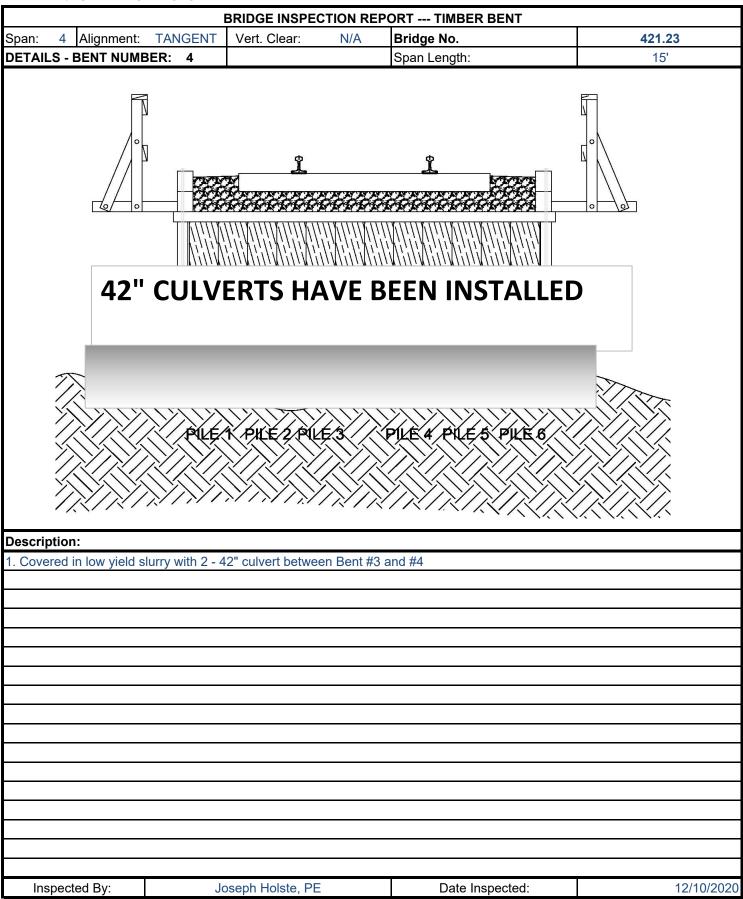
















BRIDGE INSPECTION REPORT TIMBER STRUCTURE / CONRETE ABUTMENT										
Alignmer		Vert. Clear:	N/A	Bridge No.	421.23					
DETAILS - ABUT NU	MBER: 5			Span Length:						
Desciption:										
Inspected By:	Jo	seph Holste, PE		Date Inspected:	12/10/2020					



421.23 Looking East



421.23 Looking West



421.23 Looking North



421.23 Looking South



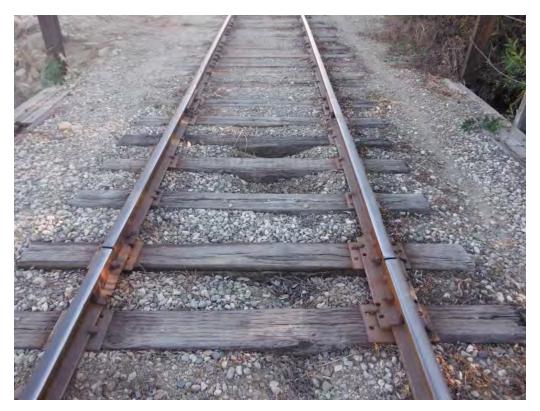
421.23 Channel Condition – Looking Upstream



421.23 Channel Condition – Looking Downstream



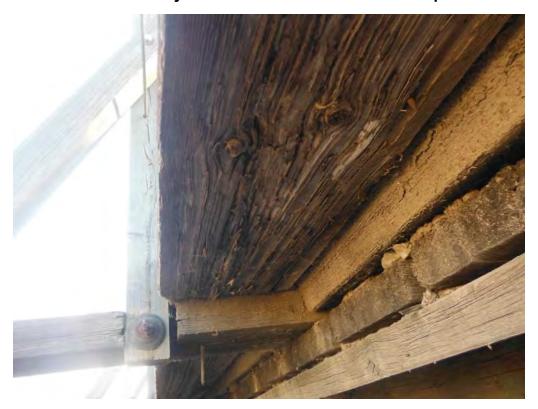
421.23 Loose Handrail Cable Both Sides



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 IN	<b>NSPECTIO</b>	ON REPO	ORT			
						IN:	SPECTION TYPE	≣:	Anr	nual
	STRI	JCTURE	INFORMATION			INSPECTIO		N INFORMATION		
Milepost	422.53				_	Date	10-Dec-20		9:15	5 AM
Location	Santa Paula B	ranch Lir	- ne			Inspecto	or Name	J	oseph Hols	-
	Fillmore, CA				_		· · · · · · · · · · · · · · · · · · ·		303-501-1215	
Stream	x (draina	ige)					Wilson & Company			
	erating Speed:		-							<u>py</u>
DECK			Number of				Condition Rating		5	
	RAIL	Weight:		Type:	Jointed		/isual Condition F	Satina.		
	IVIL	_				-	approach horizon	_		
	TIES		Timber				: 5		aligninont	
	<u>IILO</u>			chored with j-		ii ixatiiig.		•		
	BALLAST					n Doting				
	<u>BALLAS I</u>		N/A	Dallas	Conditio	n Kaung.	:	•		
Ι.	DEOK DI ANKO	Notes:	NI/A		01:4: -	D-#:	_	N1 - 4		
<u> </u>	DECK PLANKS		N/A	i				Notes:		
	<u>OTHER</u>	Type:			_Conditio	n Rating:	:			
SUPERS	TRUCTURE		_							
	Visual Condition	_				_				
	Type:	Culvert:	Number ba			-	ound or Rect		Size	
			Approx Lno	-		_	Concrete		Steel	
		Bridge:	Steel	15	1	_	Timber		Concrete	
		Type:	Truss			_ D	eck Girder		Through	
			Trestle						Girder	
			Num Span	s		1	Approx. S	pan Le	ngths	15'
		Notes:		Ste	el I-beam	- Built 19	941		, <u>-</u>	
SUBSTR	UCTURE									
	Visual Condition	on Rating	1	5			_			
	Bent:			Type			Notes			
	Abutment:		5	Туре	Sand	dstone	Notes			
	Wingwalls:			Туре			Notes			
	Embank			Туре			Notes			
	Footing			Туре			_ Notes			
	Inaccessible a	reas:		•			_			
STRFAM	CHANNEL									
OTTEAN	Visual Condition	on Ratino	ı N/A							
	Stream Depth			ence	r	าด	Moving Water		no	
	Notes						_			
OVERAL	L RATING									
	High Priority		Medium Pr	riority			Low Priority		Χ	





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			B08 Sash		N/A			
E01 Scour	5 S01 Stringers		5	B09 Long Brace		N/A				
E02 Channel	5	S02 Line Bolt		N/A	B10 Cap	N/A				
E03 Approach	3	S03 Bearing		5	B11 Shim	N/A				
DECK		BENTS			MISC. OTHER					
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		N/A	Ove	5				
D07 Handrail	5	B07 Cross Br	aces	N/A	1					
		•	COMMENT		-					
Reference			COMMENT	Remark						
Utility	3" pipe under bridge at abutment #2									
Othity	o pipe under	bridge at abui	incht #Z							
	<u> </u>									
5		MAINTEN	IANCE RECO		<u>S</u>					
Priority	<u></u>			Description						
A		etation from ar								
E03, B		ches on both e								
D03	Replace rail v	vith heavier se	ction as tonnag	je dictates						
D01, B	Add J-bolts to	attach ties to	stringers along	with guard tim	bers					
	_									
CONDITION RATING						PRIORITY				
1. Failed (may requ			ediately							
2. Deficient: OK for o	operations, but	B. Within 1 year								
until repaired.		C. Within 3 years								
3. Satisfactory but w	rith exceptions:	D. Within 5 years								
Worker Safety: items such as ( handrail, footwalk, etc.)						E. Within 10 years				
5. Good with minor 6	•	,	· /		1	nitor, Condition ma	v change &			
6. New Bridge						e priority	, onange a			
	eacon stated				- 14150	c priority				
•		1	) F	_	-t- l ( )	40/40/00				
Inspecte		Joseph Holste F	<u>'</u>	I Da	ate Inspected:	12/10/20				



Inspected By:

Joseph Holste PE



12/10/2020

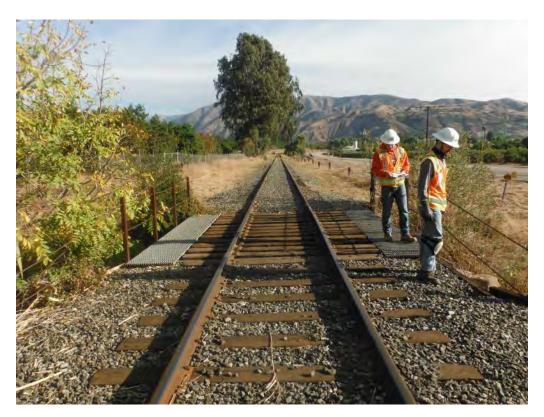
oan: 1	T			ON REPORT STONE A	BUIMENI	
T 4 11 0	_	TANGENT	Vert. Clear:	12' Bridge No.		422.53
I AILS -	ABUT NUMB	ER: 1		Span Length:		13'4"
		_				
		П			Π	
				_		
			GT ,	, ,	GT	
		<del>                                      </del>	VII WE FRANCIS OF		2011/10V	
			HB ((())		HB	
		- THE SALE	11 200 100 10 200	CA NAMES OF STREET STREET STREET,	2000	7
				(		2
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		-				
					L	-
					·	Y
						·
			7			1
						_
		4 (=) 11		1.4 1.4 4.44		
scriptior	n: Looking w	est - (7) I bea	am stringers, sa	ndstone abutment #1		
marks:	hook bolts att		Steel Stringers			
marks: IB - No I		-				
marks: HB - No I GT - No (	Guard Timber					
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: IB - No I IT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
emarks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
emarks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
emarks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
emarks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: HB - No I GT - No (	Guard Timber	undermined	- see photo			
marks: IB - No I BT - No (	Guard Timber	undermined	- see photo			

Date Inspected:





		В	RIDGE INSPECT	ON REPOR	T STONE ABUTMEN	т
Span:	Alignment:		Vert. Clear:	12'	Bridge No.	422.53
DETAILS	- ABUT NUME	BER: 2			Span Length:	
			Y		Y	
Description	on: Looking w	est - (7) I be	am stringers, sa	ndstone ab	utment #2	
Remarks:						
1. Southea	ast wingwall bl	ocks loose				
Inspe	cted By:		loseph Holste PE		Date Inspected:	12/10/2020



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	SPECTIO	N REPO	ORT			
						INS	SPECTION TYP	E: [	Anr	nual
	STR	JCTURE	INFORMAT	TION			INSPECTIO	N INFO	RMATION	
Milepost	422.89					Date	10-Dec-20		9:20	AM
	Santa Paula E	Branch Lir	- ne				or Name	-		
	Fillmore, CA				_				303-501-1	
Stream	x (draina	ige)	Overpass		- Other	•			ilson & Cor	
	erating Speed:				_					
DECK	Type:						ondition Rating		3	
	RAIL						isual Condition I	Rating:	3	
		•		est approach		•		٠.		
	<u>TIES</u>						3			
			Multiple spl					_		
	BALLAST			Ballast	Condition	n Rating:	3			
	<u> </u>	-		ouled Ballast	Corrainor			_		
l ,	DECK PLANKS				Condition	n Rating:		Notes:		
-	OTHER						5			
	<u>•</u>	. , po.	COMOTOG G	0011		r r catarig.		_		
SUPERS	TRUCTURE									
	Visual Conditi	on Rating	5							
	Type:	_	Number ba	rrels		Rou	und or Rect		Size	
	,, ,		Approx Lng			. (	Concrete		Steel	
		Bridge:	Steel	12'		•	Timber		Concrete	
		-	Truss			•	eck Girder		Through	
		1 ) 00.	Trestle				ook on dor		Girder	
			Num Spans	<u> </u>		 1	Approx. S	nan I er		12'
		Notes:	•				te - built 1915	-	iguio .	12
		140103.		an ounigers c	illeased ii	CONCICIO	ic - built 1313		•	
SUBSTR	UCTURE									
	Visual Conditi	on Rating	1	5						
	Bent:			Туре			Notes	i		
	Abutment:			Туре	Con	crete				
	Wingwalls:			Туре			- Notes			
	Embank			Туре						
	Footing			Type			- Notes			
	Inaccessible a	reas:					-			
STREAM	CHANNEL									
	Visual Conditi	on Rating	5							
	Stream Depth			ence	n	10	Moving Water		no	
	Notes									
		-								
OVERAL	L RATING			,						
	High Priority		Medium Pr	iority			Low Priority		X	





MAINLINE/OODDIVIO		OF INOREST	TON DEPORT	OTEEL OTE	NI OTUBE		
0			ION REPORT -			In the N	400.00
Spans:	1	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89
No. of Tks:	1	Deck Type:	Ballast	Br. Over:		Overall Length:	12'
ENVIRONMENT		STRINGERS		_	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	<u>@</u> Сар	5	B11 Shim		N/A
DECK		BENTS			MISC. OT	HER	
D01 Ties (OD only)	N/A	B01 West Ba		5	M01		
D02 Ties Spacers	N/A	B02 East Bac	kwall	5	M02		
D03 Rail	3	B03 Caps		5	M03		
D04 Ballast Floor	5	B04 Piles		N/A	M04		
D05 Ballast Retainer	3	B05 Framed I	Bents	N/A			_
D06 Footwalk	N/A	B06 Posts		N/A	Ove	erall Rating:	5
D07 Handrail	N/A	B07 Cross Br	aces	N/A			
			COMMENT	<u></u> S			
Reference				Remark			
Handrail	No handrail e	ither side					
Abutment		Ill top corners	of abutments				
Rail	Dip in rail, we						
		от аррионен					
		MAINTEN	IANCE RECOM	MENDATION	S		
Priority				Description			
E03, B		ches on both e					
D03	Replace rail v	ith heavier se	ction as tonnage	e dictates			
D04, B	Replace foule	d ballast					
D05	Add ballast re	tainers, both s	sides				
	CONDI.	TION RATING				PRIORITY	
1. Failed ( may requ			<u> </u>		A. Imm	ediately	
<ol> <li>Failed (may requ</li> <li>Deficient: OK for</li> </ol>			nan/Inspector fo	r all trains	1	in 1 year	
until repaired.	operations, but	roquires i layii	nanimispecioi 10	i ali tialiis		in 3 years	
3. Satisfactory but w	vith exceptions:	Slow order m	ay he required			in 5 years	
Satisfactory but w     Worker Safety: ite						in 10 years	
		anuran, IOOtWa	ain, 610. <i>)</i>				
5. Good with minor e	exceptions				7	itor, Condition ma	y cnange &
6. New Bridge					- rais	e priority	
7. Not inspected: R			laaanh Halata D			4.	10/10/0000
Inspecte	a By:	J	oseph Holste, P	E	Da	ate Inspected:	12/10/2020





Span: 1 Alignme				CONCRETE ABUTMENT	100.00
		Vert. Clear:	4'	Bridge No.	422.89
ETAILS - ABUT N	JMBER: 1			Span Length:	12'
	CR A	SL SL	IIII A	RITITITITI I I	CR
	ail Stringers end	cased in concrete	, concrete	e abutment #1	
emarks:					
emarks: . Cr - Minor abutme					
emarks: . Cr - Minor abutme . Surface rust on ra	il top stringers				
Remarks: . Cr - Minor abutme . Surface rust on ra . Efflorescence und	il top stringers erside railtop sla	b - see photo			
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	00		
emarks:  Cr - Minor abutme  Surface rust on ra  Efflorescence und  Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
emarks:  Cr - Minor abutme  Surface rust on ra  Efflorescence und  Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
emarks:  Cr - Minor abutme  Surface rust on ra  Efflorescence und  Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Remarks:  . Cr - Minor abutme  . Surface rust on ra  . Efflorescence und  . Abutment wall sca	il top stringers erside railtop sla lling - see photo	•	23 - see p	hoto	
Description: (36) Ratemarks: . Cr - Minor abutme . Surface rust on ra . Efflorescence und . Abutment wall sca . SL - Section loss a	il top stringers erside railtop sla lling - see photo at rail stringers 1	•		hoto  Date Inspected:	12/10/202





	SUBDIVISIO		GE INSPECTION	I REPORT	CONCRETE ABUTMEN	Т
pan:	Alignment:	CURVE	Vert. Clear:	4'	Bridge No.	422.89
	ABUT NUME		Vert. Clear.	4	Span Length:	422.03
LIAILO	ABOT NOME	LIK. L			Opan Longin.	
<u>/.</u>	CR	A A A		0-70-90-90 19-22-90-90-90-90 19-25-90-90-90-90-90-90-90-90-90-90-90-90-90-		CR A
<b>marks:</b> Cr - Mind	n: (36) Rail S or abutment c nt wall scaling	racking -see	ased in concrete	, concrete	abutment #2	
Inspec	cted By:	J	oseph Holste, PE		Date Inspected:	12/10



422.89 Looking East



422.89 Looking West



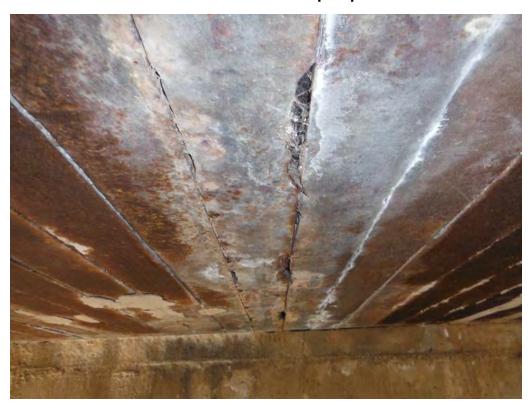
422.89 Looking North



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	SPECTION TYP	E:	Anr	nual	
	STR	UCTURE	INFORMAT	ΓΙΟΝ			INSPECTIO	N INFO	RMATION		
Milepost						Date	10-Dec-20		10:20	0 AM	
	Santa Paula E	Branch Lir	- ne				or Name	-	oseph Hols		
	Fillmore, CA						one Number		303-501-1		
Stream		reek)	Overpass		_ Other	•			/ilson & Cor		
	erating Speed:		-		_		- ,				
DECK	Type:		Number of				Condition Rating		5		
	RAIL		-	Type:		-	Visual Condition I	Rating:	3	•	
				est approach		-		Ο.		•	
	TIES		Timber				j: 5				
		Notes:				J		_			
	<b>BALLAST</b>	Depth:	N/A	Ballast	t Conditio	n Rating	I:				
		Notes:				J		-			
	DECK PLANKS	Type:	N/A		Conditio	n Rating	<b>j</b> :	Notes:			
	OTHER	Type:					j:				
		, ·						-			
SUPERS	STRUCTURE										
	Visual Conditi	on Rating	5								
	Type:	_	Number ba	irrels		Ro	ound or Rect		Size		
	,,		Approx Lng	gth.		•	Concrete		Steel		
		Bridge:		,		-	Timber		Concrete		
		Type:		211	1		Deck Girder		Through		
		71	Trestle			•			Girder		
			Num Span	S		1	Approx. S	pan Lei		211'	
		Notes:	'		ru Truss -	Built 19		•			
									•		
SUBSTR	RUCTURE										
	Visual Conditi	on Rating	1	5							
	Bent:			Туре			 Notes	;			
	Abutment:		5	Туре	sto	one	– Notes	-			
	Wingwalls:			Туре			_ Notes				
	Embank			Туре			_ Notes				
	Footing			Туре			_ Notes	;			
	Inaccessible a	reas:					_	-			
STREAM	/ CHANNEL										
	Visual Conditi	on Rating	5								
	Stream Depth	_		ence	r	10	Moving Water		no		
	Notes										
OVERAL	LL RATING		Ma E - 5				L D				
	High Priority		Medium Pr	riority			Low Priority		Х	i	



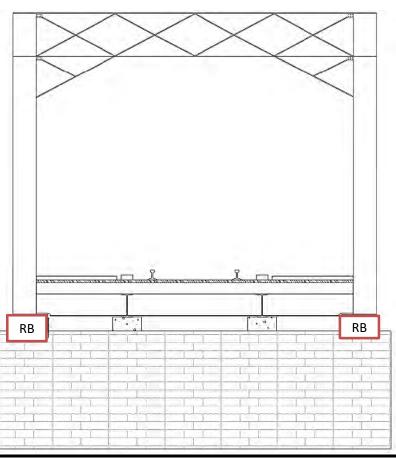


	BRI	DGE INSPECT	TION REPORT				
Spans:	1	Alignment:	Tangent	Vert. Clear:	15'	Bridge No.	423.28
No. of Tks:	1	Deck Type:	Open	Br. Over:	Sespe Crl	Overall Length:	200'
ENVIRONMENT		GIRDERS			A06 Pier S	Shaft	N/A
E01 Scour	5	S01 Girder		5	A07		
E02 Channel	5	S02 Top Late		5	A08		
E03 Approach	3	S03 Bottom L	_ateral Braces	5	A09		
DECK		S04 Cross Br	races	5	MISC. OT	HER	
D01 Ties (OD only)	5	S05 Bearings	3	3	M01		
D02 Ties Spacers	5	ABUTMENT:			M02		
D03 Rail	3	A01 East Abι		5	M03		
D04 Footwalk	5	A02 East Wir		5	M04		
D05 Handrail	3	A03 West Ab		5			_
D06 Floor Beams	5	A04 West Wi	•	5	Ove	rall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap	)	N/A			
			COMMENT	s			
Reference				Remark			
Approach	East and wes	st approaches	are low				
Handrail	_	le is loose on r					
Structure	Paint failure/	minor surface r	rust				
Curb			and east side, r	orth east corn	er is worst	- see photo	
		MAINTEN	LANCE DECOM	MENDATION			
		WAINIE	NANCE RECOM	IMENDATION	<u> </u>		
Priority	Description						
E03, B	Raise approa						
D05, A	-	ail cable north					
S05, B/C, M			ndition and rais	e priority if ned	essary		
D00		y need to be re					
D03	Increase rail	with neavier se	ection as tonnag	e dictates			
	CONDI	TION RATING	<u> </u>		1	PRIORITY	
1. Failed (may red						ediately	
2. Deficient: OK for	r operations, but	requires Flagr	man/Inspector fo	or 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: i	tems such as ( h	nandrail, footwa	alk, etc.)		E. Withi	in 10 years	
5. Good with minor	exceptions				M. Mon	itor, Condition ma	y change &
6. New Bridge					- raise	e priority	
7. Not inspected: I	Reason stated						
Inspect	ted By:		Joseph Holste, F	PE	Da	te Inspected:	12/10/202





	BRIDGE INSPECTION REPORT STEEL STRUCTURE/STONE ABUTMENT									
Span:	1	Alignment:	TANGENT	Vert. Clear:	15'	Bridge No.	423.28			
DETAIL	DETAILS - 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. Map cracking on northside of backwall see photo
- 5. Bolt missing at bridge rollers at north west bearing, abutment 1 expanded see photo
- 6. Loose bolt at bearing rollers

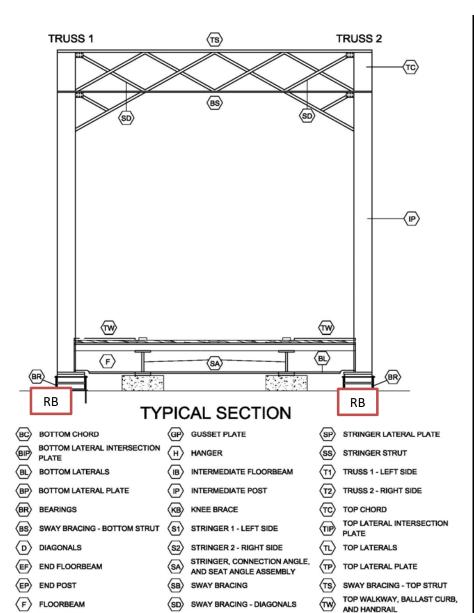
Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020



FLOORBEAM BRACKET AND

CONNECTION ANGLE ASSEMBLY





SL STRINGER LATERALS

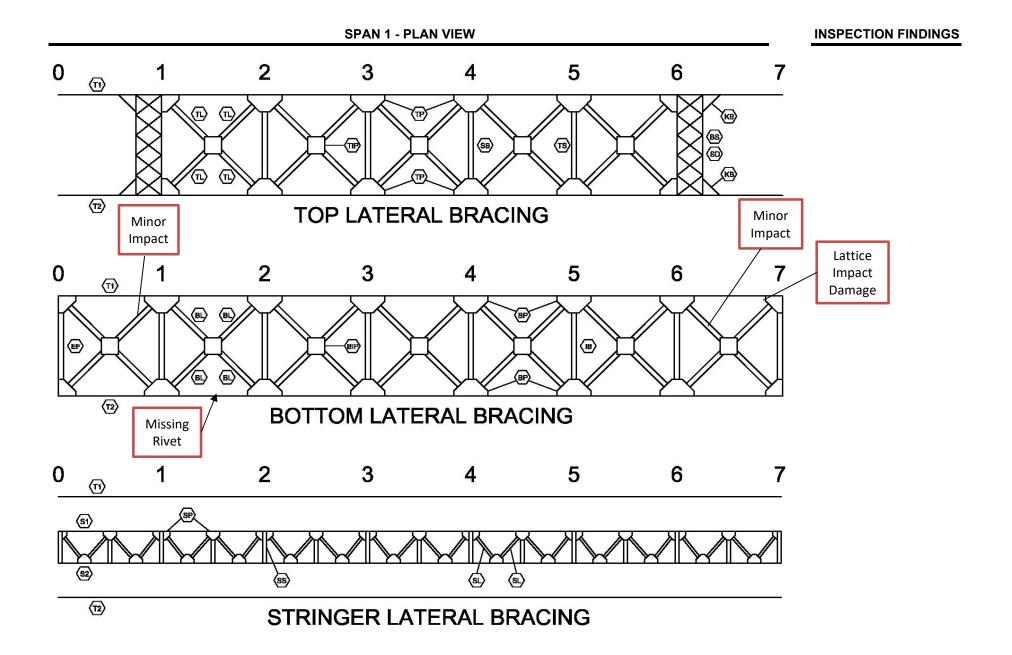
DIVISIO	N Vei	ntura	SPAN LENGTH	200'				
NUMBER O	F TRACKS	1	CROSSING	SESPE CREEK				
TRACK A	ALIGNMENT	TANGENT	SPAN No.	1				
INSPECTION	ON FINDINGS							
RB		West end	bearings are rocke	ed back				
	Pack rust at all connections							
	Bird nes	t at multiple	e locations at top c	hord connections				
	Missing rivet of	on south sid	de, mid span, near See photo	bay two bottom chord.				
	Pack r	ust betwee	n angles of all lowe	er cross bracing				
			oracing at bay 7 no	rth side has impact see photo				
	Impa	ct to bottor	m lattice bay 1 and	7 - see photo				

Inspected by: Joseph Holste, PE Date: 12/10/2020 Bridge Number: 423.28



Inspected by: Joseph Holste, PE





12/10/2020

Bridge Number: 423.28

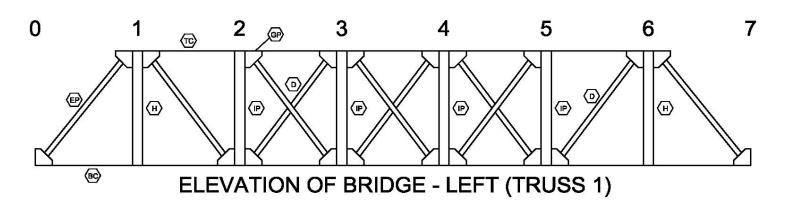
Date:

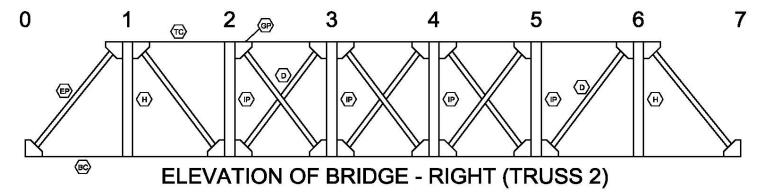




**SPAN 1 - ELEVATION VIEW** 

#### **INSPECTION FINDINGS**





Inspected by: Joseph Holste, PE Date: 12/10/2020 Bridge Number: 423.28





		BRIDGE INSP	ECTION REPOR	T STEE	L STRUCTURE/STON	NE ABUTMENT	
Span:	Alignment:		Vert. Clear:	15'	Bridge No.		423.28
DETAILS	- ABUTMENT	NUMBER: 2			Span Length:		
		F=1					
			//				
						- Marie 1	
				ī	l —		
		Miss C		10.2011.02 10.2011.02 10.	NAMES OF THE PARTY		
					1.9,1		
		1					
		u Truss, Stone	Abutment #2				
Remarks							
			aring - see photo				
		at south bearing					
3. Anchor	at north string	ger is pushed b	ack				
Insne	ected By:	Jo	seph Holste, PE		Date Inspect	ed:	12/10/2020
	, , , , , , , , , , , , , , , , , , ,		,,				12, 13, 202



423.28 Looking East



423.28 Looking West



423.28 Looking North



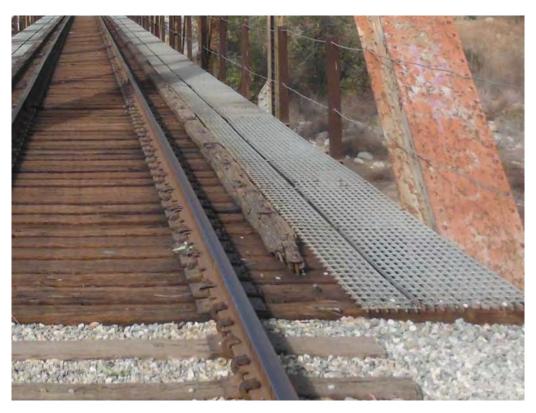
423.28 Looking South



423.28 Channel Condition – Looking Upstream



423.28 Channel Condition – Looking Downstream



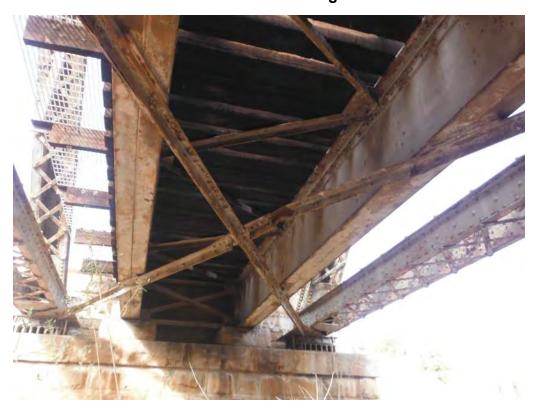
423.28 Damaged timber curb west and east side, typ



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 TYP	E:	Annı	ual	
	STRUCTURE INFORMATION INSPECTION INFORMATION										
Milepost	423.44				_	Date	10-Dec-20	Time	1:00	PM	•
Location	Santa Paula I	Branch Line	-				or Name	-	oseph Holste		-
	Fillmore, CA						ne Number		303-501-12		-
Stream	X (Sespe Cre	ek overflow)	Overpass	<u> </u>	— Other	. с.срс			/ilson & Com		-
	erating Speed:		10 mph	Passenge							-
DECK	Type:	Ballast	Number o			Visual C	Condition Rating		5		
	RAIL	Weight:	80#	Type:	Jointed		isual Condition l	Rating:	3		
		Notes:			_		isalignment acro				
	TIES	Type:	Timber		e Condition			oo bridg	,,,		-
	1120	Notes:	TITIDO	_	o oonano	rraung.		-			
	BALLAST	Depth:	12 in	Rallas	t Condition	Pating	3				-
	<u>DALLAGI</u>	Notes:		ballas st across bi		i ixaurig.		-			
_	ECK PLANKS		N/A	31 across bi		Pating:		Notes:			-
<u> </u>			IN/A	_				NOIES.			-
	<u>OTHER</u>	Type:			_Condition	i Kaung.		-			
CUDEDO	TRUCTURE										
SUPERS	TRUCTURE	ion Dotino	_								
	Visual Condit	•	5			-			0:		
	Type:	Culvert:	Number b				und or Rect		Size _		-
			Approx Li	ngth.		. (	Concrete		Steel _		-
		Bridge:	Steel				Timber		Concrete _	450'	-
		Type:	Truss			. D	eck Girder		Through		
			Trestle						Girder _		-
			Num Spa		-	5	_ Approx. S	pan Lei	ngths _	30'	-
		Notes:		Concrete	double bo	x girder	- built 1969		_		-
SUBSTR	UCTURE Visual Condit	ion Doting		E							
		Ū		<u>5</u>			- Notes		Otaal mila	_	
	Bent:		5	_Type		crete	_ Notes		Steel pile		-
	Abutment:		5	Type	Con	crete			Steel pile		-
	Wingwalls:			Type			Notes				-
	Embank			Type			Notes				-
	Footing			_Type			_ Notes				-
	Inaccessible a	areas:									-
STREAM	CHANNEL										
	Visual Condit		5	<u></u>			NA				
	Stream Depth Notes	Local scou			y	es	Moving Water	-	yes		-
	Notes	LUCAI SCOU	at illulviu	uai benis							-
											-
OVEDAI	L RATING										
OVERAL	High Priority		Medium F	Priority			Low Priority		Χ		
	g				-						





MAINLINE/SUBDIVIS		E INSPECTIO	N REPORT	CONCRETE S	TRUCTUE	RE		
Spans:	15	Alignment:	Tangent	Vert. Clear:	14'	Bridge No.	423.44	
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Creek	Overall Length:	450'	
ENVIRONMENT		GIRDERS			A06 Pier		5	
E01 Scour	3	S01 Girder	l	5	A07 Piles		5	
E02 Channel	5	S02 Bearings	<u> </u>	5	A08		0	
E03 Approach	3	ABUTMENTS		9	A09			
DECK	9	A01 East Abu		5	MISC. OT	HER		
D01 Rail	3	A02 East Wir		3	M01	IILIX		
D02 Footwalk	5	A03 West Ab	<u> </u>	5	M02			
003 Handrail	5	A04 West Wi		5	M03			
004 Mandrail	3	A05 Pier Cap	-	5				
D05		Aus Pier Cap	•	5	M04			
503					Overall Rating: 5			
			COMMEN	гѕ				
Reference				Remark				
Utility	Utility crossin	g north side - 8	8" steel wrappe	d, 50' off				
Utility	12" steel pipe	e - south side 5	50' deflect at sp	an #11 (comes	back withi	n 50' at west end)		
Abutment Joint		g at west abut		,		,		
	•	MAINTEN	NANCE RECO	MMENDATION	S			
Priority				Description				
В	Add ballast -	ballast 3" bello	w top of tie					
E03, B	Raise west a	pproach						
E02, B	Remove debi	ris from bents						
E01, A02, B/C		otection at Abu						
E02, B	Remove vege	etation under s	pans					
	201/5	TION BATH			1	DDIADIT'		
		TION RATING	<u> </u>		<u> </u>	PRIORITY		
	quire bridge out o					ediately		
2. Deficient: OK fo	r operations, but	requires Flagr	man/Inspector f	or all trains		in 1 year		
until repaired.						nin 3 years		
•	with exceptions:				D. Within 5 years			
4. Worker Safety: items such as ( handrail, footwalk, etc.)					1	E. Within 10 years		
5. Good with minor	r exceptions					nitor, Condition ma	y change &	
6. New Bridge					- rais	e priority		
7. Not inspected:								
Inspec	ted By:	J	loseph Holste, l	PE	Di	ate Inspected:	12/10/20	

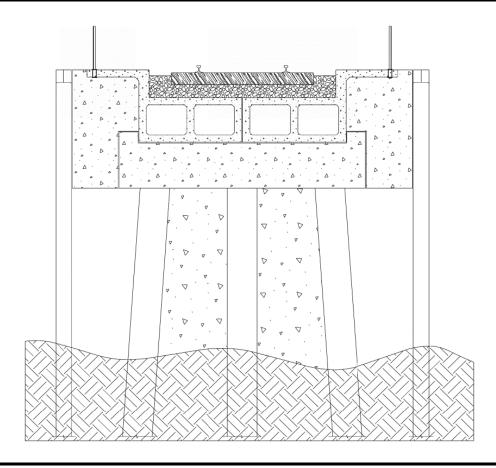




12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

	BRIDGE INSPECTION REPORT CONCRETE STRUCTURE/CONCRETE ABUTMENT								
Span:	1	Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44		
DETAIL	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 - 4' pile exposed - southwest wingwall more exposed - see photo

Joseph Holste, PE

Date Inspected:

2. Tree under abutment - see photo

Inspected By:

- 3. Span 1 Impact Damage see photo
- 4. Deep erosion from heavy water on north slope see photo





D	RIDGE INSPECTION REP	ORT CONCRETE STRUCTURE	
Span: 2 Alignment: TANGE	NT Vert. Clear: 14	Bridge No.	423.44
DETAILS - PIER NUMBER: 2		Span Length:	29'-10"
LIAILO-FILK NUMBER. Z		SP S	29-10
Description: Looking East (2) 80 Demarks:	0"x30" Concrete box, cor	crete bent cap with steel piles	
. 2' scour under cap - see photo			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
2. SP - Keeper spall on south side 3. SP - Walkway spall - see photo			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			
. SP - Keeper spall on south side			





_	BRIDGE INSPECTION R	EPORT CONCRETE STRUCTURE	
	NGENT Vert. Clear:	14' Bridge No.	423.44
DETAILS - PIER NUMBER:	3	Span Length:	29'-10"
	HR A A A A A A A A A A A A A A A A A A A		
Description: Looking East Remarks:	(2) 80"x30" Concrete box,	concrete bent cap with steel piles	
1. 3' of scour below concrete	infill between piles		
2. Span 3 curb spall on topsic	•		
3. Walkway spall near pier 3			
4. HR - Handrail embed failed		with thru bolts - see photo	
•			
			_
Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020
торожов Бу.	0000pi111003tc, 1 E	Date mapeeted.	12/10/202



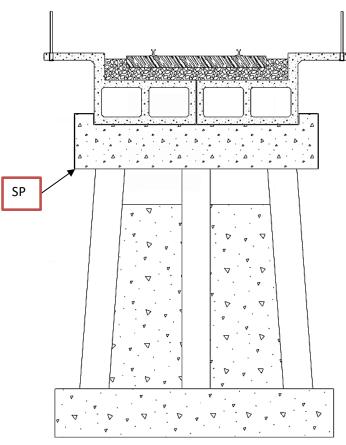


	BRIDG	SE INSPECTION	REPORT	CONCRETE STRUCTURE	
Span: 4 Alignment: T	ANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - PIER NUMBER:	4			Span Length:	29'-10"
HR	Deb				
Description: Looking Eas Remarks:	t (2) 80"x3	0" Concrete box	, concrete	bent cap with steel piles	
1. Handrail embed has faile	d. Posts no	w held with thru b	oolts on Spa	an #4.	
2. 1' scour under cap					
3. Deb - Debris on pier upst	ream side				
Inspected By:	ما	seph Holste, PE		Date Inspected:	12/10/202





BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	5	Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAIL	_S -	PIER NUMBI	ER: 5			Span Length:	29'-10"



marks:		
SP - Minor spall on botto	om corner of pier cap	





					CONCRETE STRUCTURE	
•		TANGENT	Vert. Clear:	14'	Bridge No.	423.44
ETAILS	- PIER NUMBE	R: 6			Span Length:	29'-10"
		SP				
emarks				concrete	bent cap with steel piles	
	nor cap spalls c		ers. See photo			
. Minor c	urb spall near p	ier				



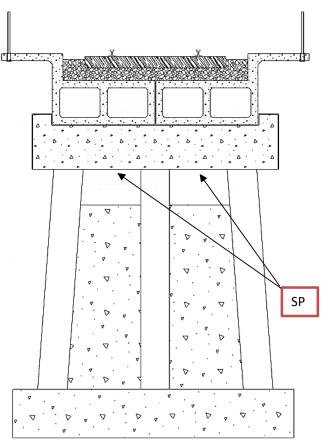


12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

Inspected By:

BRIDGE INSPECTION REPORT CONCRETE STRUCTURE							
Span:	7	Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAII	DETAILS - PIER NUMBER: 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

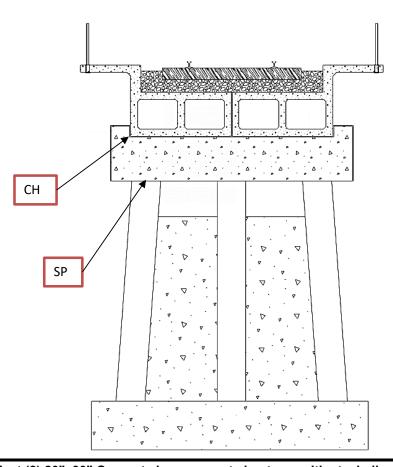




12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

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



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

Joseph Holste, PE

Date Inspected:

### 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
- 3. CH Minor chip on girder 1

Inspected By:





		T	REPORT	CONCRETE STRUCTURE	
	nment: TANGEN	Γ Vert. Clear:	14'	Bridge No.	423.44
ETAILS - PIER	NUMBER: 9			Span Length:	29'-10"
	SP				P
escription: Lo	oking East (2) 80"	x30" Concrete box	, concret	te bent cap with steel piles	
emarks:					
		e of the cap along th	ne edge o	f the embed plate	
. Debris built up	on northside pier				





					CONCRETE STRUCTURE	1
pan:	10 Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
ETAII	LS - PIER NUMB	ER: 10			Span Length:	29'-10"
		DEB			bent cap with steel piles	
emar		_ust ( <u>z)</u> 00 x	o Concrete box	, concrete	bent cup with steer phes	
	in ballast at pier					
		heide pier				
	ris built up on nort					
SC01	ur holes under spa	all # IU				
,	spected By:		oseph Holste, PE		Date Inspected:	12/10/2





BRII	OGE INSPECTION REPO	RT CONCRETE STRUCTUR	RE
pan: 11 Alignment: TANGEN	Vert. Clear: 14'	<u>`</u>	423.44
ETAILS - PIER NUMBER: 11		Span Length:	29'-10"
Deb		SP	
escription: Looking East (2) 80"	K30" Concrete box, cond	crete bent cap with steel piles	
Remarks: . Minor spall midspan of girder 2 sp	an #11 on southeide	nhoto	
		<del>σ</del> μποιο	
<ol> <li>Deb - Debris built up on northside</li> <li>2' scour on northside of pier</li> </ol>	hiei		
. 2 Scoul on northside of pier			
Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/202



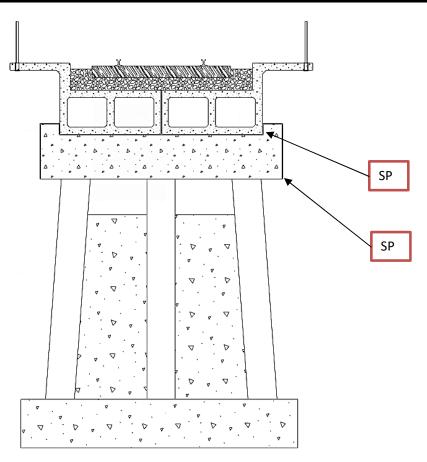


BRID	GE INSPECTION	REPORT CONCRETE STRUCTURE	
Span: 12 Alignment: TANGENT	Vert. Clear:	14' Bridge No.	423.44
DETAILS - PIER NUMBER: 12		Span Length:	29'-10"
Deb			
	30" Concrete box	, concrete bent cap with steel piles	
Remarks:			
1. 3' of scour below concrete collar. 3'	deep hole 5' east		
2. Deb - Debris upstream			
Inspected By: Jo	oseph Holste, PE	Date Inspected:	12/10/2020





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



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

### Remarks:

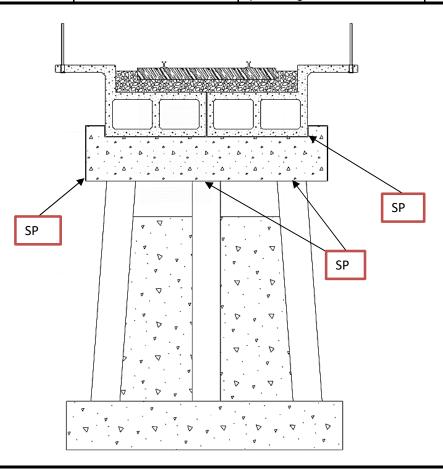
- 1. Minor spall on SE corner of pier cap
- 2. Drift debris at upstream end
- 3. Span 13 has curb spall
- 4. Beam spall on girder 2, southside near pier 14 see photo

Inspected By:	Joseph Holste, PE	Date Inspected:	12/10/2020





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

Joseph Holste, PE

Date Inspected:

12/10/2020

#### 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

Inspected By:

5. SP - Minor beam spall southside along span





nan. 1	E Alianous sust				NCRETE STRUCTU		44
	5 Alignment:	TANGENT	Vert. Clear:		ge No.	423.	
ETAILS	- PIER NUMBI	ER: 15		Spar	n Length:	29'-1	10"
		SP		φ , φ , φ , φ , φ , φ , φ , φ , φ , φ ,	SP SP		
		East (2) 80"x	30" Concrete bo	x, concrete bent	cap with steel pile	s	
emarks:		reide of can w	with exposed robo	er - weet eide see			
				ar - west side - see	s buoro		
3P - 3P	all on NE corn	er or pier cap	1				
					<u> </u>		
	ected By:		oseph Holste, PE		Date Inspected:		12/10/2





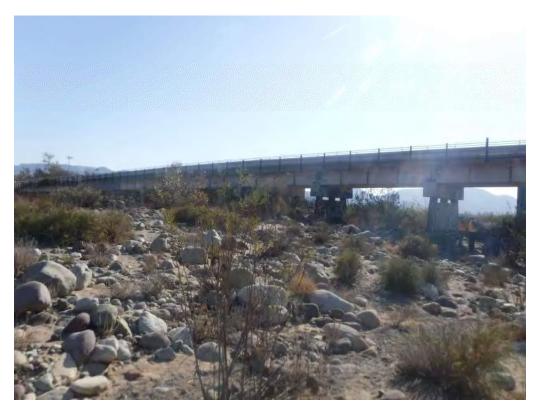
BRID	GE INSPECT	ION REPORT	- CONCRET	E STRUCTURE/CONCRET	E ABUTMENT
Alignment:	TANGENT	Vert. Clear:	14'	Bridge No.	423.44
DETAILS - ABUT NUME	BER: 16			Span Length:	
	East (2) 80"x3	30" Concrete bo	ox, concrete	abutment with steel piles	
Remarks:					
1. Ballast leaking on bea					
2. Vegetation adjacent to	o span - see p	noto			
Inspected By:	J	oseph Holste, Pl		Date Inspected:	12/10/202



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



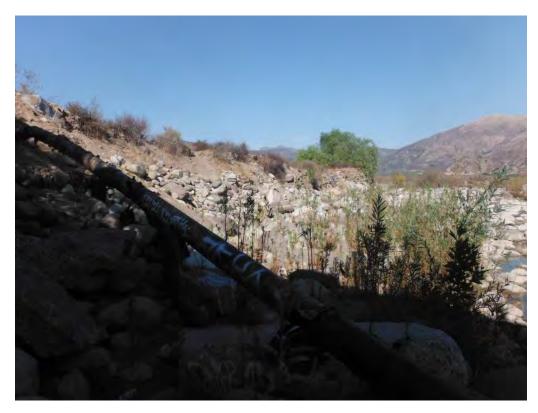
423.44 Handrail embed failed. Post held with bolts, Span 3, 4 and 15



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 6



423.44 Small spalls on the underside of cap at Pier 7



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



423.44 Vegetation adjacent to Span 15





				BRIDGE IN	ISPECTIO	N REP	ORT			
						IN:	SPECTION TYP	E:	Ann	ıual
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	425.15				_	Date	10-Dec-20	Time	12:00	) PM
Location	Santa Paula Br	anch Line	-			Inspect	or Name	<u> </u>	oseph Hols	
	Fillmore, CA						one Number		303-501-12	215
Stream	X (Pole C	reek)	Overpass		Other		Company	, N	/ilson & Cor	npany
Train Ope	erating Speed:	Freight:	10 mph	Passenger	: 15 mph					
DECK	Type:	Ballast	Number o	f Tks	1	Visual (	Condition Rating		5	
	RAIL	Weight:	80#	_Type:	Jointed	١	/isual Condition I	Rating:	5	
		Notes:								
	<u>TIES</u>	Type:		Tie	Condition	n Rating	:7	_		<del></del>
		Notes:	Not inspec	cted, covere	ed with cro	ssing pa	anels			
	<b>BALLAST</b>	Depth:		Ballast	Condition	n Rating	:7	_		
		Notes:	Not inspec	cted, covere	ed with cro	ssing pa	anels			
	<b>DECK PLANKS</b>	Type:		_	Condition	n Rating	:	Notes:		
	<u>OTHER</u>	Type:			_Conditior	n Rating	:	_		
SUPERS	TRUCTURE									
	Visual Conditio	n Rating	5							
	Type:	Culvert:	Number b	- arrels		Ro	ound or Rect		Size	
			Approx Ln	gth.			Concrete		Steel	
		Bridge:	Steel	•			Timber		Concrete	60'
		Type:	Truss			D	eck Girder		Through	
			Trestle						Girder	
			Num Spar	าร		2	Approx. S	pan Le	ngths	30'
		Notes:		Concrete	double bo	x girder	- built 1969			
SUBSTR	UCTURE									
	Visual Conditio	n Rating		5			_			
	Bent:		5	Туре	Con	crete	Notes			
	Abutment:	-	5	Туре	Con	crete	Notes			
	Wingwalls:		5	Туре	Con	crete				
	Embank			_Type	Con	crete				
	Footing			_Type			_ Notes			
	Inaccessible ar	eas:								
STREAM	CHANNEL									
	Visual Conditio	_	5	_						
	Stream Depth		Scour Evid	dence			_Moving Water			
	Notes									
OVERAL	L RATING		M-d 5				Law Del 19			
	High Priority		Medium P	riority			_Low Priority		X	





	BRIDG	E INSPECTIO	N REPORT	CONCRETE S	TRUCTUR	RE	
Spans:	2	Alignment:	Tangent	Vert. Clear:	10'	Bridge No.	425.15
No. of Tks:	1	Deck Type:	Ballast	Br. Over:	Pole Crk		60'
ENVIRONMENT		GIRDERS			A06 Pier S		5
E01 Scour	5	S01 Girder		5	A07 Piles		N/A
E02 Channel	5	S02 Bearings	i	5	A08		
E03 Approach		ABUTMENTS			A09		
DECK		A01 East Abu	ıtment	5	MISC. OT	HER	
D01 Rail	5	A02 East Win	gwalls	5	M01		
D02 Footwalk	5	A03 West Ab	utment	5	M02		
D03 Handrail	4	A04 West Wii	ngwalls	5	M03		
D04		A05 Pier Cap		5	M04		
D05					Ove	rall Rating:	5
			COMMENT	S			
Reference				Remark			
Handrail					en at south	west corner. See	photo
Structure			tie condition is ι				
Structure	Spall with exp	osed rebar on	north side of S	pan 2			
		MAINTEN	IANCE RECOM	IMENDATION	S		
Priority				Description			
D03, A	Repair loose	handrail cable		Description			
	1						
	+						
	CONDI	TION RATING	<u> </u>		1	PRIORITY	
1. Failed (may req	uire bridge out o	of service )			A. Imme	ediately	
Deficient: OK for			nan/Inspector fo	or all trains		in 1 year	
until repaired.		q 00 1 lagi			-	in 3 years	
Satisfactory but v	vith exceptions:	Slow order m	ay be required.		1	in 5 years	
4. Worker Safety: ite			· · · · · · · · · · · · · · · · · · ·		1	in 10 years	
5. Good with minor	,	, ======	. ,		1	itor, Condition ma	v change &
6. New Bridge						e priority	, shangs a
7. Not inspected: R	Reason stated					. ,	
Inspecte			loseph Holste P	E	Da	ite Inspected:	12/10/2020



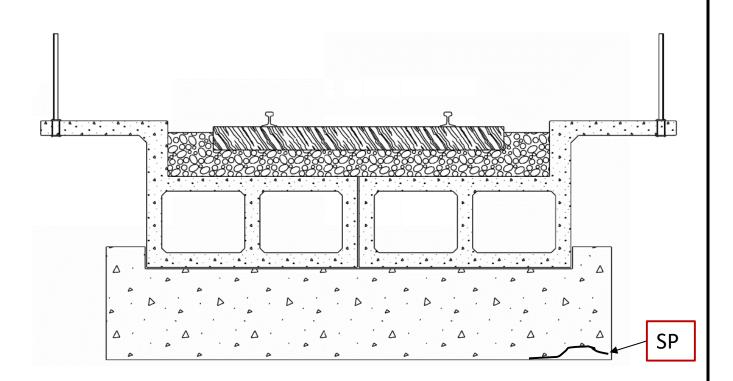


WAINLINE	/SUBDIVISIC		CE INSPECTION	I DEDODT	CONCRETE ABUTMENT	
Span: 1	Alignment:		Vert. Clear:	Varies	Bridge No.	425.15
		NUMBER: 1	vert. Clear.	varies	Span Length:	30'
DETAILS -						
	n: Looking E	East, 80"x30" C	oncrete box, co	ncrete abu	tment with steel piles	
Remarks:						
1. Partially	buried on no	rth end				
Insped	cted By:	Jo	seph Holste PE		Date Inspected:	12/10/2020





BRIDGE INSPECTION REPORT CONCRETE PIER							
Span:	2 Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	425.15	
DETAILS - PIER NUMBER: 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:	12/10/2020





					CONCRETE ABUTMENT	
Span:	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.	425.15
DETAILS	- ABUTMENT	NUMBER: 3			Span Length:	
				9	9	
	4.4.		* D. S.			
			633663336	388568885688856	\$\$X565X565\$\$	
<i></i>	/, 4		· D			
		Δ.		D D		
4	4 4 4			Α	Δ. Δ	
		·		Δ . Δ		
			$\subseteq$			
		SF	)		SP	
Descripti	on: Looking E	ast, Concrete a	abutment with	steel piles		
Remarks						
1. SP - Al	outment cap sp	pall				
		er spall at Abutm	ent 3			
Inspe	ected By:	Jo	seph Holste PE		Date Inspected:	12/10/2020



425.15 Looking East



425.15 Looking West



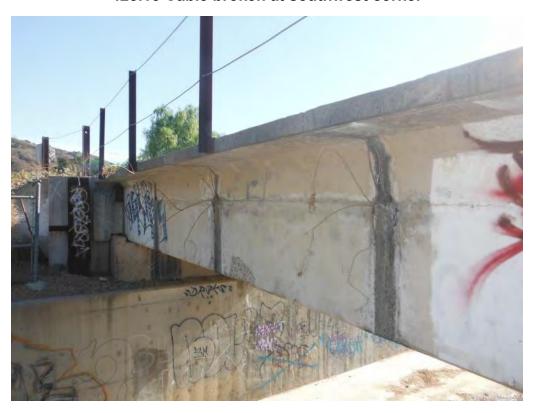
425.15 Looking North



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 II	NSPECTIO	ON REP	ORT			
						IN	ISPECTION TYPE	:	Anı	nual
	STRU	CTURE IN	IFORMATI	ON		INSPECTION INFORMATION				
Milepost	427.64					Date	10-Dec-20	Time	1:30	) PM
Location	Santa Paula Bi	ranch Line	-			Inspect	tor Name	J	oseph Hols	te, PE
	Fillmore, CA						one Number		303-501-1	215
Stream			Overpass	i	Other	X	Company	V	/ilson & Co	mpany
Train Ope	erating Speed:	Freight:	10 mph	Passenge	er: 15 mph		_			
DECK	Type:	Open	Number c	of Tks	1	Visual (	Condition Rating		3	
	RAIL	Weight:	80#	Type:	Jointed	١	Visual Condition F	Rating:	3	•
		Notes:	East and	west appro	aches are	low				•
	TIES	Type:	Timber	Tie	e Conditio	n Rating	j: <u>3</u>			
		Notes:		_						
	<b>BALLAST</b>	Depth:		Ballas	t Conditio	n Rating	<b>j</b> :			<u> </u>
		Notes:								
	<b>DECK PLANKS</b>	Type:			Conditio	n Rating	j:	Notes:		
	<u>OTHER</u>	Type:			Conditio	n Rating	j:			<u> </u>
SUPERS	TRUCTURE									
	Visual Condition	n Rating	5							
	Type:	Culvert:	Number b	arrels		Ro	ound or Rect		Size	
			Approx Lr	ngth.		_	Concrete		Steel	<u> </u>
		Bridge:	Steel	1	5'		Timber		Concrete	
		Type:	Truss	-			Deck Girder		Through	
			Trestle			_			Girder	
			Num Spa	ns		1	Approx. S	oan Le	ngths	13'-6"
		Notes:		Open de	eck steel s	tringer -	Built 1960			
SUBSTR	UCTURE									
SUBSIK	Visual Condition	n Rating		3						
	Bent:	ni raang		Туре			– Notes			
	Abutment:		3	Type	Tin	nber	_		Abut #1 8	, #2
	Wingwalls:		3	Type		nber			7 to dit // 1 o	
	Embank		<u> </u>	Type		1001	_ Notes			
	Footing			Type			_ Notes			
	Inaccessible ar	eas:		, po						
STDEAM	CHANNEL									
SIKEAW	Visual Condition	n Rating	3							
	Stream Depth		Scour Evi	dence			Moving Water			
	Notes	Clear cha	annel of ve	getation			_			
OVERAL	L RATING									
	High Priority		_Medium F	Priority		X	_Low Priority			





A Clear vegetation on north and south side of bridge  E02, A Clear channel  E03, B Raise approaches both ends  D01, B Replace ties  D03 Replace rail as tonnage dictates  B01, B02, B Repair backwalls  S01, A Clean debris from stringers  CONDITION RATING  PRIORITY  1. Failed (may require bridge out of service) 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as ( handrail, footwalk, etc.) 5. Good with minor exceptions 6. New Bridge  D101, B Raise approaches both ends  PRIORITY  A. Immediately  B. Within 1 year  C. Within 3 years  D. Within 5 years  E. Within 10 years  M. Monitor, Condition may change & raise priority	WAINEINE/OODDIVIOR		OF INODEOT	ION DEDORT	TIMPED OT	DUOTUBE		
Deck Type:	0	BRID						407.04
STRINGERS   B08 Sash Brace		1					_	
Sol Stringers   3   B09 Long Brace   N/A		1			Br. Over:			
S02 Line Bolts								
BO3   Bearing								
DECK DOT Ties (OD only) DOT Ties (OD only) DOT Ties (OD only) DOT Ties Spacers N/A DOT Spallast Retainer N/A DOT Spallast Retainer N/A DOT Handrail N/A DOT Handrail N/A DOT Handrail N/A DOT Handrail N/A DOT Cross Braces N/A DOT Handrail N/A DOT H						<del></del>		
Maintenance   Separation   Se		3		<u>@</u> Сар	5			N/A
D02 Ties Spacers							HER	
D03 Rail 3 B03 Caps 5 M03 D04 Ballast Floor N/A B04 Piles 3 M04 D05 Ballast Retainer N/A B05 Framed Bents N/A D06 Footwalk N/A B06 Posts N/A D07 Handrail N/A B06 Posts N/A D07 Handrail N/A B07 Cross Braces N/A D07 Handrail N/A B06 Posts N/A D07 Handrail N/A B06 Posts N/A D07 Handrail N/A B07 Cross Braces N/A D07 Handrail Missing J-bolt on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS Priority Description A Clear channel E03, B Raise approaches both ends D01, B Replace ties D03 Replace rail as tonnage dictates B01, B02, B Repair backwalls S01, A Clean debris from stringers  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service) CN Within 1 year until repaired. C. Within 3 years S1 Mo4  M04  M04  M05 M04  M06 M07  M07  M07  M07  M18  M08  M09  M04  M09  M04  M04  M04  M04  M04			-					
Mode	•			ıtment		1		
DOS Ballast Retainer  N/A  BOS Framed Bents  N/A  BOS Footwalk  N/A  BOS Posts  N/A  BOS Posts  N/A  COMMENTS  Reference  Rail  Missing J-bolt on right side - covered in debris and silt, could not verify  Headwall  Backwalls are showing signs of deterioration  Channel  Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority  Description  A  Clear vegetation on north and south side of bridge  EO2, A  Clear channel  EO3, B  Raise approaches both ends  DO1, B  Replace rail as tonnage dictates  BO3, B  Raise approaches both ends  DO1, B  Replace rail as tonnage dictates  BO3, B  Rajes approaches from stringers  CONDITION RATING  FRIORITY  1. Failed (may require bridge out of service)  CONDITION RATING  FRIORITY  1. Failed (may require bridge out of service)  Satisfactory but with exceptions; Slow order may be required.  Within 19 years  J Within 19 years  C Within 19 years  J With								
Superiority   Description						M04		
COMMENTS  Reference Remark Rail Missing J-bolt on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority Description  A Clear vegetation on north and south side of bridge E02, A Clear channel E03, B Raise approaches both ends D01, B Replace ties D03 Replace ties D03 Replace trail as tonnage dictates B01, B02, B Repair backwalls S01, A Clean debris from stringers  CONDITION RATING PRIORITY  1. Failed ( may require bridge out of service ) A. Immediately 2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. 3. Satisfactory but with exceptions: Slow order may be required. 4. Worker Safety: items such as ( handrail, footwalk, etc.) 5. Good with minor exceptions 4. Monitor, Coontion may change & FROMENTS  Remark Rem				Bents				
Reference Remark Rail Missing J-bolt on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority Description A Clear vegetation on north and south side of bridge E02, A Clear channel E03, B Raise approaches both ends D01, B Replace tiles D03 Replace tiles D03 Replace rail as tonnage dictates B01, B02, B Repair backwalls S01, A Clean debris from stringers  CONDITION RATING PRIORITY  1. Failed (may require bridge out of service) C Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. C Within 1 years S Satisfactory but with exceptions: Slow order may be required. C Within 5 years Within 10 years M Monitor, Condition may change & raise priority  Faise priority  Remark Replace tile Recommended Reco					_	Ove	rall Rating:	3
Reference Rail Missing J-bott on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority Description A Clear vegetation on north and south side of bridge E02, A Clear channel E03, B Raise approaches both ends D01, B Replace rail as tonnage dictates D03 Replace rail as tonnage dictates B01, B02, B Repair backwalls S01, A Clean debris from stringers  CONDITION RATING PRIORITY  1. Failed ( may require bridge out of service ) Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. D. Within 1 years Unit in paired. D. Within 5 years Monitor, Condition may change & Taise priority Monitor, Condition may change & Taise priority Monitor, Condition may change & Taise priority Taise priority  Monitor, Condition may change & Taise priority Taise priority	D07 Handrail	N/A	B07 Cross Br	aces	N/A			
Reference Rail Missing J-bott on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority Description A Clear vegetation on north and south side of bridge E02, A Clear channel E03, B Raise approaches both ends D01, B Replace rail as tonnage dictates D03 Replace rail as tonnage dictates B01, B02, B Repair backwalls S01, A Clean debris from stringers  CONDITION RATING PRIORITY  1. Failed ( may require bridge out of service ) Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired. D. Within 1 years Unit in paired. D. Within 5 years Monitor, Condition may change & Taise priority Monitor, Condition may change & Taise priority Monitor, Condition may change & Taise priority Taise priority  Monitor, Condition may change & Taise priority Taise priority			<u>-</u>	COMMENT	<u></u> S			
Rail Missing J-bolt on right side - covered in debris and silt, could not verify Headwall Backwalls are showing signs of deterioration Channel Completely silted in, not visible    Completely silted in, not visible	Reference							
Headwall Backwalls are showing signs of deterioration  Channel Completely silted in, not visible  MAINTENANCE RECOMMENDATIONS  Priority Description  A Clear vegetation on north and south side of bridge  E02, A Clear channel  E03, B Raise approaches both ends  D01, B Replace ties  D03 Replace rail as tonnage dictates  B01, B02, B Repair backwalls  S01, A Clean debris from stringers  CONDITION RATING  1. Failed ( may require bridge out of service )  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: Items such as ( handrail, footwalk, etc.)  E. Within 1 years  C. Within 1 years  C. Within 1 years  D. Within 1 years  E. Within 10 years  M. Monitor, Condition may change & raise priority		Missing J-bolt	on right side -	- covered in deb		uld not veri	fv	
Channel Completely silted in, not visible    MAINTENANCE RECOMMENDATIONS						ara mot von	.,	
MAINTENANCE RECOMMENDATIONS  Priority Description  A Clear vegetation on north and south side of bridge  E02, A Clear channel  E03, B Raise approaches both ends  D01, B Replace ties  D03 Replace rail as tonnage dictates  B01, B02, B Repair backwalls  S01, A Clean debris from stringers  CONDITION RATING  PRIORITY  1. Failed ( may require bridge out of service )  2. Deficient: OK for operations, but requires Flagman/Inspector for all trains until repaired.  3. Satisfactory but with exceptions: Slow order may be required.  4. Worker Safety: items such as ( handrail, footwalk, etc.)  5. Good with minor exceptions  M. Monitor, Condition may change & raise priority								
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<ol> <li>Satisfactory but with exceptions: Slow order may be required.</li> <li>Worker Safety: items such as (handrail, footwalk, etc.)</li> <li>Good with minor exceptions</li> <li>New Bridge</li> <li>Within 5 years</li> <li>Within 10 years</li> <li>M. Monitor, Condition may change &amp; raise priority</li> </ol>	2. Deficient: OK for o	perations, but	requires Flagn	nan/Inspector fo	r all trains		in 1 year	
<ul> <li>4. Worker Safety: items such as ( handrail, footwalk, etc.)</li> <li>5. Good with minor exceptions</li> <li>6. New Bridge</li> <li>6. New Bridge</li> <li>7. Within 10 years</li> <li>8. Monitor, Condition may change &amp; raise priority</li> </ul>	until repaired.					1		
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6. New Bridge - raise priority	4. Worker Safety: iter	ms such as ( ha	andrail, footwa	ılk, etc.)		E. With	in 10 years	
6. New Bridge - raise priority	5. Good with minor e	xceptions				M. Mon	itor, Condition ma	y change &
	6. New Bridge							
•	<u> </u>	ason stated					•	
Inspected By: Joseph Holste, PE Date Inspected: 12/10/2020				and the later of	_		. 4 - 1 4 1 -	10/10/000

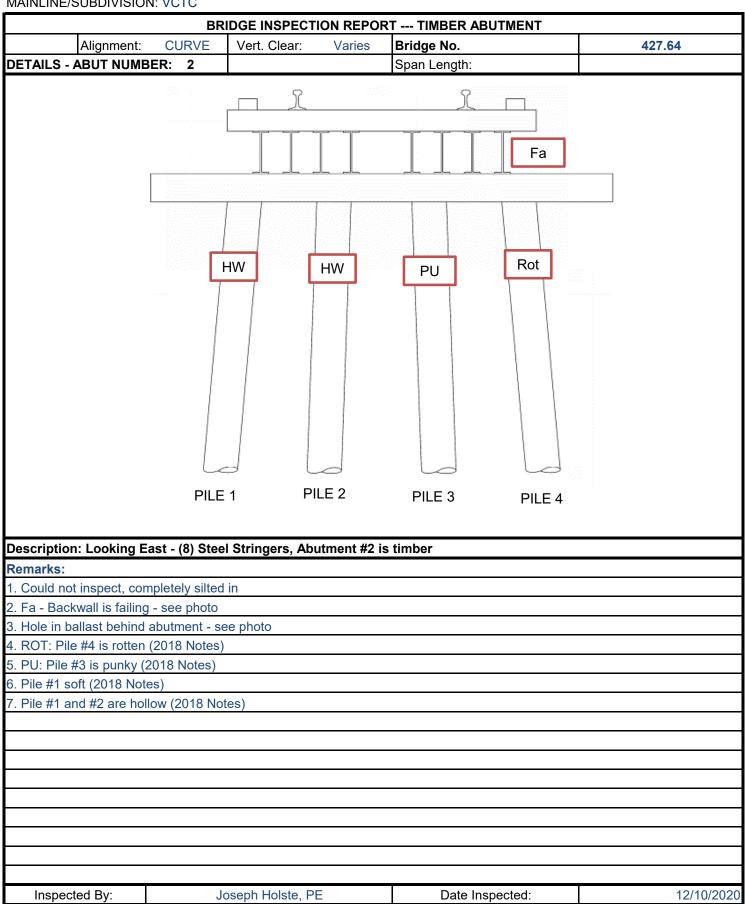


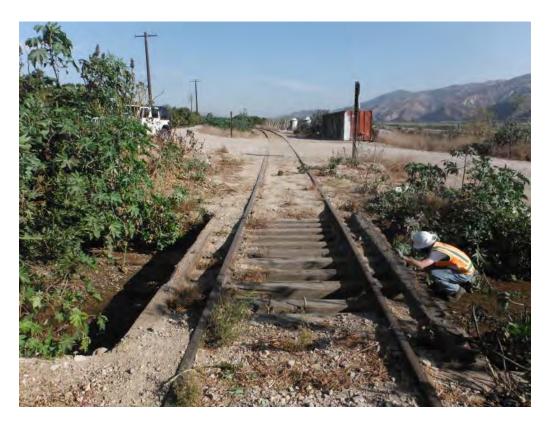


		BR	DGE INSPECTION REP	ORT TIMBER A	BUTMENT	
oan: 1	Alignment:	CURVE	Vert. Clear: Varies	Bridge No.		427.64
ETAILS	- ABUT NUMBE	R: 1		Span Length:		13'-6"
			PU PU	Spt	HW	
		PILE 4	4 PILE 3	PILE 2	PILE 1	
escriptio	on: Looking We	est - (8) Stee	l Stringers, Abutment #	f1 is timber		
emarks:						
	ot inspect, com	•				
Debris b	etween and co	vering string	ers - see photo			
			wall failing - see photo			
	e #1 is hollow a					
	es #2, #3, and #					
Spt: Pile	e #1 and #2 spli	t (2018 Note	5)			





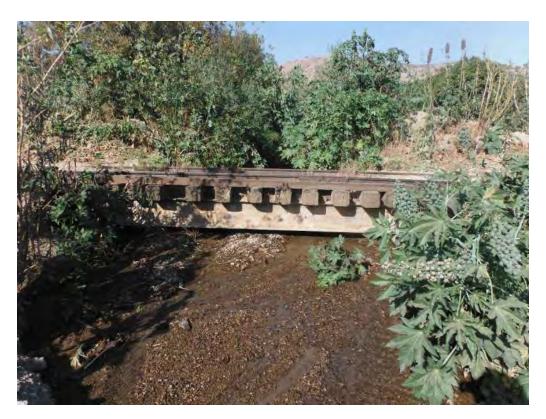




427.64 Looking East



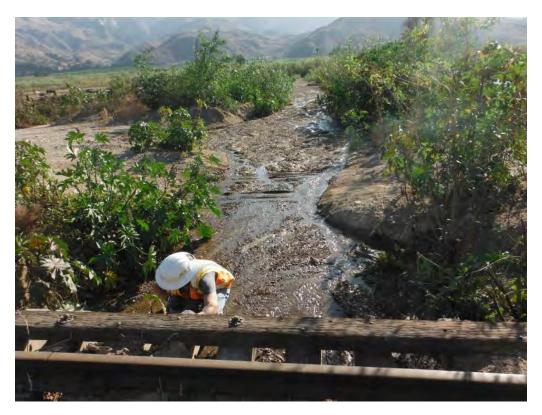
427.64 Looking West



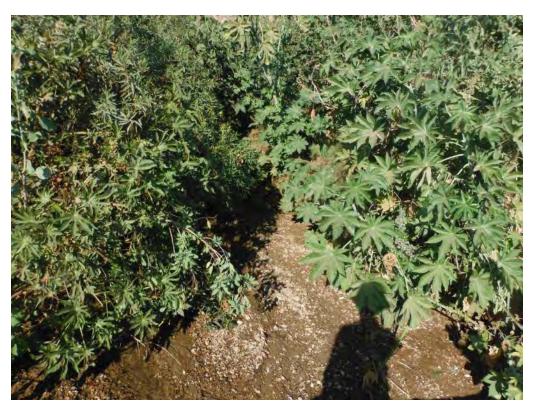
427.64 Looking North



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 I	NSPECTIO	N REPO	RT			
						INS	PECTION TYPI	E: [	Annual	
	STRU	CTURE IN	IFORMATI	ON			INSPECTIO	N INFO	RMATION	
Milepost	429.79					Date		Time	2:00 PM	_
Location	Santa Paula Br	anch Line	_			Inspecto			oseph Holste, PE	_
	Piru, CA						ne Number		303-501-1215	_
Stream	X - Hopper	Creek	Overpass		Other	X			/ilson & Company	_
	erating Speed:		_		er: 15 mph					_
DECK	Type:	Open	Number o			Visual Co	ondition Rating		5	
	RAIL	Weight:	80#		Jointed		sual Condition F	Rating:		
		Notes:			st and west	•				
	TIES	Type:	Timber				5			_
	<del></del>	Notes:		_				_		
	BALLAST	Depth:		Ballas	st Condition	n Rating:				_
		Notes:		=		5 ,		-		
	DECK PLANKS	Type:			Condition	n Rating:		Notes:		_
	OTHER	Type:		_						_
		• • • • • • • • • • • • • • • • • • • •								
SUPERS	TRUCTURE									
	Visual Conditio	n Rating	5							
	Type:	Culvert:	Number b	arrels		Rou	ınd or Rect		Size	
			Approx Lr	ngth.			Concrete		Steel	_
		Bridge:	Steel	_	84'	•	Timber		Concrete	_
		Type:	Truss			De	eck Girder		Through	_
			Trestle			•			Girder	
			Num Spar	าร		4	Approx. Span L	engths	70', 82', 15', 17'	_
		Notes:	Open dec	k timber tr	estle east a		and 2 TPG's-Bt			_
				(Inspect	tion on Thru	ı Plate G	irder only)	-		
SUBSTR	UCTURE									
	Visual Conditio	n Rating		3	3					
	Bent:			_Туре			Notes			
	Abutment:			Туре			Notes			<u></u>
	Wingwalls:			Туре			Notes			<u></u>
	Embank			Туре			Notes			
	Footing			_Туре			Notes			
	Inaccessible ar	eas:	Inspection	of TPG's	only; east t	imber tre	stle silted in			_
STREAM	I CHANNEL									
	Visual Conditio	•	5	<u> </u>						
	Stream Depth	2'	_Scour Evi	dence		0	Moving Water		yes	_
	Notes									_
										_
OVEDAL	L RATING									
OVERAL	High Priority		Medium P	riority			Low Priority		X	
		1							_ <del></del>	





	BRID	GE INSPECT	ION REPORT -		•		
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	eral Braces	5	A08		
E03 Approach	3	S03 Bottom L	_ateral Braces	5	A09		
DECK		S04 Cross Br	races	5	MISC. OT	HER	
D01 Ties (OD only)	5	S05 Bearings		3	M01		
D02 Ties Spacers	5	ABUTMENTS	S & PIERS		M02		
D03 Rail	5	A01 East Abι	utment	3	M03		
D04 Footwalk	5	A02 East Wir		N/A	M04		
D05 Handrail	N/A	A03 West Ab		3			
D06 Floor Beams	5	A04 West Wi		N/A	Ove	erall Rating:	5
D07 Ballast Curb	N/A	A05 Pier Cap	)	5			
			COMMENTS	S			
Reference				Remark			
Braces	North knee brace	s #4 #5 #6 & #7 h	ave minor impact dan		race #2 with n	ninor impact damage sou	ith - see photo
Walkway			ear pier #2 - see	-	AGO #Z WILLI	mior impaot damage 500	141 - 300 prioto
•		, ,	•	•			
	<u> </u>	MAINTEN	IANCE RECOM	MENDATIONS	3		
Priority				Description			
A01, A03, A05, S05, B	Clear abutme	ents, center pie	er and bearings		is		
E03, B/C	Raise both ap		<u> </u>				
	CONDI	TION RATING				PRIORITY	
1. Failed (may requir	re hridae out o	f service )			A. Imm	ediately	
Deficient: OK for operations			an/Inspector for	all trains		in 1 year	
until repaired.	G	- 4400 i lugiii		dlo		nin 3 years	
•	h exceptions:			nin 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>	,	aran, 100twa	, 0.0./			nitor, Condition may	v change 9
6. New Bridge	Сорионо					e priority	y change &
7. Not inspected: Rea	ason stated				Tais		
Inspected			Joseph Holste, P	PE	D:	ate Inspected:	12/10/20
mopooted	- , .	1		_		are inoposiou.	, .0,20

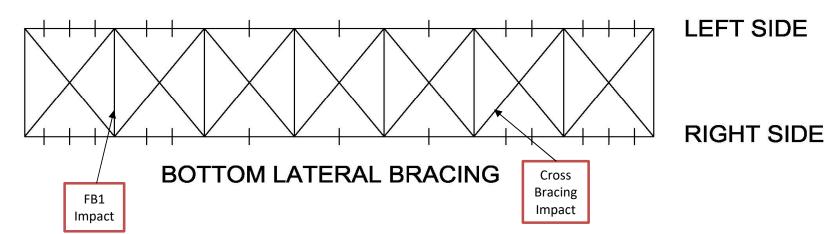


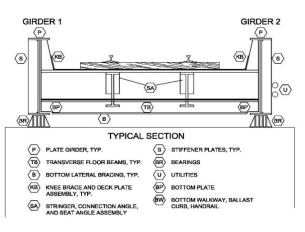


BRIDGE INSPEC	TION REPORT	STEEL STRUCTURE/CON	CRETE ABUTMENT
Span: 1 Alignment: TANGENT	Vert. Clear:	Varies Bridge No.	429.79b
DETAILS - ABUTMENT NUMBER: 1		Span Length:	70'
	SP		Deb  Cr  A  A  A  A  A  A  A  A  A  A  A  A  A
Description: Thru plate girders, Abut	ment #1 is concr	ete	
Remarks:			
1. Cr - Abutment has minor cracking			
<ol> <li>SP - Spall on abutment - see photo</li> <li>Deb - Damage due to high water deb</li> </ol>	oria con photo		
3. Deb - Damage due to nigh water det 4. AB - Failed anchor bolt, stringer 1 ar			
5. Sandy silt buildup on bottom flanges	·		
6. Both stringers toughing backwall	or noor boarns		
7. Bearings covered with debris			
Inspected By: Jo	seph Holste, PE	Date Inspe	ected: 12/10/202







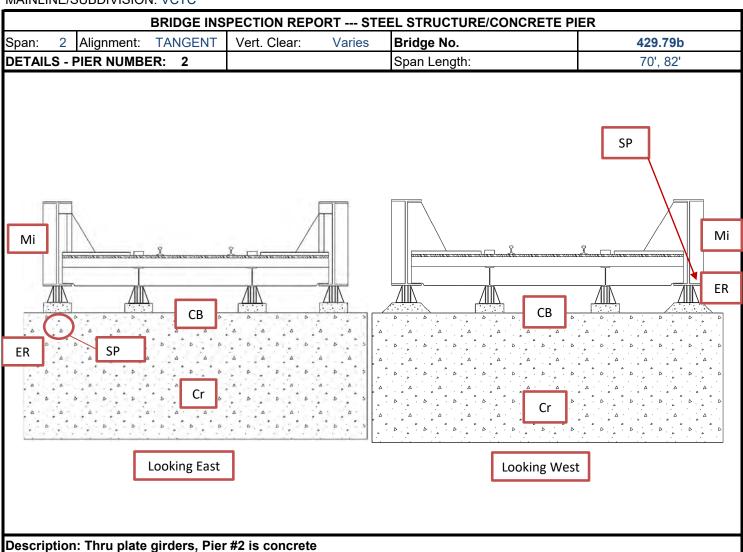


DIVISION	Santa Paula	SPAN LENGTH	70'-0"	NUMBER OF TRACKS 1							
CROSSING	Hopper	Creek	TRACK ALIGNM	IENT Tangent SPAN No. 1							
INSPECTIO	N FINDINGS										
		ALL BEARING	AREAS REQUIRE	E CLEANNING							
		North G1 stiffeners have minor impact									
	lm	pact damage to be	ottom flange floor	beam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

Inspected by: Joseph Holste, PE Date: 12/10/2020 Bridge Number: 429.79b







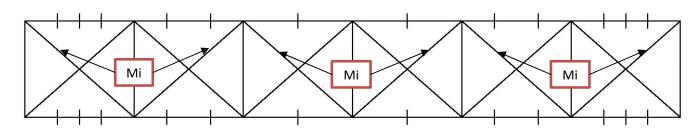
#### Remarks:

- 1. CB Between thru plate girder, seats are covered with silt from high water at stringers and floorbeam. Needs cleaning around bearings and seat
- 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
- Sheared rivet at G1, floor beam 3 see photo
- 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:	12/10/2020



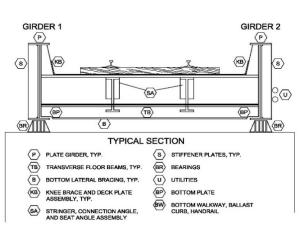




**LEFT SIDE** 

RIGHT SIDE

## **BOTTOM LATERAL BRACING**



DIVISION	Santa Paula	SPAN LENGTH	82'-0"	NUMBER OF TRACKS 1							
CROSSING	Hopper	Creek	TRACK ALIGNMENT Tangent SPAN No. 2								
INSPECTIO	N FINDINGS										
Mi	Low	er cross bracing ha	as minor impact th	nroughout - see photo							
		Impact damage to bay 1 crossbracing									

Inspected by: Joseph Holste, PE Date: 12/10/2020 Bridge Number: 429.79b





12/10/2020

#### MAINLINE/SUBDIVISION: VCTC

		BRID	GE INSPECTION	N REPORT	CONCRETE ABU	TMENT	
Span:	Alignment:	TANGENT	Vert. Clear:	Varies	Bridge No.		429.79b
DETAILS	- ABUTMENT	NUMBER: 3			Span Length:		82'
Descripti	on: Abutment	#3 is concret	е				
Remarks							
		n water into sup					
2. Covere	d in silt and ur	nable to inspec	t (see photo)				
							_

Date Inspected:

Joseph Holste, PE

Inspected By:





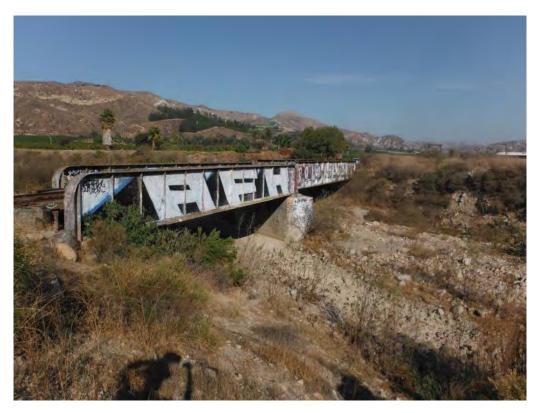
	BRID	GE INSPECT	ON REPORT	- TIMBER ST	RUCTURE		
Spans:	2	Alignment:	Tangent	Vert. Clear:	0	Bridge No.	429.79c
No. of Tks:	1	Deck Type:	Open Deck	Br. Over:	Drainage	Overall Length:	27'
ENVIRONMENT		STRINGERS			B08 Sash	Brace	7
E01 Scour	N/A	S01 Stringers	1	7	B09 Long	Brace	7
E02 Channel	N/A	S02 Line Bolt		7		Long Brace	7
E03 Approach	3	S03 Bearing (	@ Сар	7	B11 Shim	is	7
DECK		BENTS			MISC. OT	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		B05 Framed I	Bents	7			
D06 Footwalk		B06 Posts		7	Ove	erall Rating:	7
D07 Handrail	N/A	B07 Cross Br	aces	7			
			COMMENT	 S			
Reference				Remark			
		MAINTEN	IANCE RECOM	MENDATION	S		
Priority				Description			
1 Honly				Description			
7	I Inable to inst	ect both span	s of onen deck	timher trestle l	hecause th	ey are completely	silted in
, , , , , , , , , , , , , , , , , , ,	Oriable to iris	bect both span	is of open deck	umber trestie i	because ii	ley are completely	Silled III
	CONDIT	ION RATING				PRIORITY	
4 [-1]							
Failed (may require bridge out of service)						ediately	
2. Deficient: OK for operations, but requires Flagman/Inspector for all tra						nin 1 year	
until repaired.						nin 3 years	
3. Satisfactory but with exceptions: Slow order may be required.						nin 5 years	
4. Worker Safety: items such as ( handrail, footwalk, etc.)					1	nin 10 years	
5. Good with minor e	xceptions				7	nitor, Condition may	y change &
6. New Bridge					- rais	e priority	
7. Not inspected: Re			aaamh II-I-t- D	_		aka linana seka di	40/40/0000
Inspected	я ву:	J	oseph Holste, P	E	D	ate Inspected:	12/10/2020



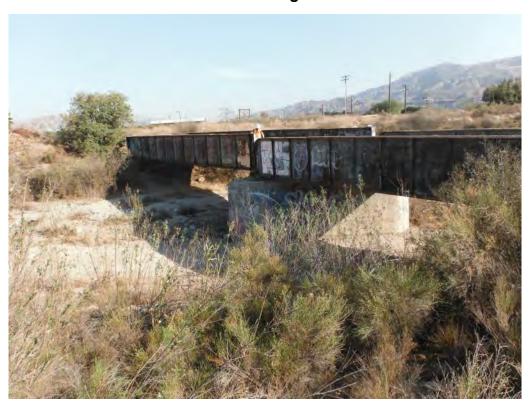
429.79 Looking East



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 Failed 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 G1 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