

# PHOENIX SUB

B2>>> 913.91(1) [SIMN] TEMPE (MARICOPA, AZ)  
 SNOOPER - S1 - Last Snooper Insp = 03/27/2018 - PLATE ID: 913.93

Segment A	60'	PCB	2 spans	1990
Segment B	100'	TTROD	1 span	1912
Segment C	1,050'	TTPOD	7 spans	1912
Segment D	100'	TTROD	1 span	1912
Segment E	223'	TST	15 spans	1926
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Total	1,533'			

LAST INSP: A-6/12/2018; I-11/15/2018; Q-12/2/2015; S-3/27/2018; O-9/19/2018

MGT: 3 TPD: 7 POSTED CLEARANCE: 16'4"  
 ACCESS: ROW Road PHOTO/DOC(S): 11 (07/21/16)  
 LATITUDE: 33.43516 LONGITUDE: -111.9441  
 TRESPASS: SIGN(S) PRESENT - 2 of 2 PLACED CORRECTLY - (PER STD)UTILITIES: Fiber Optics - Right

913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Salt River  
 SEGMENT A  
 (2)PCB-BD (Prestressed Concrete Box) LENGTH: 60' BUILT: 1990 / 1990

1	S C	O O O O	O	7'6"
	C	PRESTRESSED CONCRETE BOX		30
2	S C	O O O O	O	16'7"X
	C	PRESTRESSED CONCRETE BOX		30

ASBESTOS: DOES NOT CONTAIN  
 PILING: 1-2 (4) SIZE: 14 x 73 HP A-36 S  
 CAPS: 1-2 (1) 32.0" X 32.0" X 14.8' C  
 DECK FLOOR TYPE: Concrete THICKNESS: 30"  
 DECK WIDTH: 12' 5"  
 BALLAST DEPTH: 16"  
 BALLAST RETAINER: 18" high Concrete  
 WALKWAY: LEFT: Concrete; RIGHT: Concrete  
 HANDRAIL: LEFT: Steel Cable; RIGHT: Steel Cable  
 APPROACHES LOW: NO RC: O  
 RAIL: 136 LB Continuously Welded  
 SPEED: 25 MPH (FREIGHT)  
 FRA CLAS: 2  
 ALIGN: SPIRAL RIGHT 3 DEG  
 SUPERELEVATION: BALLAST 0-1/4"  
 NO GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16  
 BRIDGE PROFILE: GOOD  
 NO STANDING WATER  
 UNDERWATER INSPECTION REQUIRED (Group U2)

DEF DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF #	COMMENTS
2 10/9/2007	V	A2	Sub, Bent, Cap, Map Cracking, Bent #2 Segment #A Throughout, Entire Surface, [DJS]	#205	
I 11/27/2017	DS	A2	Super, Footwalk/Handrail, Walkway, Collision Damage, Span #2 Segment #A Left Side, [MJA]	#317	Refer to previous defect # 0192.

# PHOENIX SUB

913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Salt River

SEGMENT B

(1)TTR-OD (Through Truss Riveted) LENGTH: 100' BUILT: 1912 / 1912

1 S Steel Cylinder Pier O 17' X  
S THROUGH TRUSS RIVETED P-4; E 100

ASBESTOS: DOES NOT CONTAIN  
SHIMS: 1 (1) 24.00" S  
STRINGERS: 12.50" X 40.00" Steel  
NBR OF STRINGERS: 2  
PANELS EQUAL: 1  
WALKWAY: RIGHT: Steel  
HANDRAIL: RIGHT: Steel Cable  
TIES: 10.00" X 12.00" X 10.00' TIMBER 1978 9 BAD / 81 TOTAL  
TIES/SPAN: 1:9/81  
SPACER BLOCKS: NO  
GUARD TIMBERS: YES  
RAIL ANCHORS: PER STANDARD  
END PATTERN: PER STANDARD  
TIES: TIMBER  
RAIL: 136 LB Continuously Welded  
SPEED: 25 MPH (FREIGHT)  
FRA CLAS: 2  
ALIGN: TANGENT  
GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16  
APPROACH TIES NON-STANDARD  
BRIDGE PROFILE: GOOD  
NO STANDING WATER  
UNDERWATER INSPECTION REQUIRED (Group U2)  
SNOOPER INSPECTION REQUIRED - Derived by Automatic logic (S1)

DEF	DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF #	COMMENTS
O	10/22/1999	D	B1	Sub, Pier, Jacket, Corrosion, Pier #1 Both Left & Right Top, Section Loss (15-30%), [DJS]	#13	
O	10/22/1999	V	B1	Sub, Pier, Cap, Spalling, Pier #1 Segment #B Left, [DJS]	#12	LESS THAN 5% LOSS AT BEARING AREA
2	1/10/2006	V	B1	Sub, Pier, Cap, Spalling, Pier #1 Segment #B Right, [DJS]	#176	
S	6/16/2009	D	B1	Super, Bearing System, Retainer Bolt, Loose, Pier #2 Span #1 Bearing #1 Right Top, [AG]	#224	2 Loose Bolts out of 6 top row & 0 out of 6 Btm Row
A	5/23/2005	D	B1	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #2 Span #1 Segment #B Bearing #1 & 2, [DJS]	#148	
S	6/16/2009	D	B1	Super, Bearing System, Retainer Bolt, Loose, Pier #2 Span #1 Segment #B Bearing #1 Left Bottom, [AG]	#223	1 Loose Bolts out of 6 Btm Row & 0 of 6 top Row

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2	1/23/2007	C	B1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #4 Stringer #2 Span #1 Segment #B, Length 4", [TEG]	#195   6" CRACK OUT OF 13 1/4" / RIGHT SIDE
A	1/10/2006	C	B1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #4 Stringer #2 Span #1 Segment #B, Length 7", [TEG]	#169   7" CRACK OUT OF 13 1/4" / LEFT SIDE
O	12/7/2004	C	B1	Super, Floor System/Bracing, Stringer Bracket, Missing, Panel #1 Floorbeam #0 Stringer #1 & 2, [AG]	#107
S	5/23/2005	D	B1	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners Defective, Panel #1 Floorbeam #0 Stringer #1 Bottom Right Side, [AG]	#147   1 MISSING RIVET OUT OF 15
2	1/23/2007	D	B1	Super, Floor System/Bracing, Diaphragm, Fasteners Defective, Span #1 Segment #B Right Top Between Stringer #s 1,2, [DJS]	#194   1 BROKEN RIVET OF FOUR
I	12/2/2015	DS	B1	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #3 Span #1, [MJA]	#302
S	10/12/2006	DT	B1	Super, Track System, Line Bolts, Loose Bolts/Nuts, Segment #B,C,D Both Sides, [DJS]	#189   Loose Line Bolts

913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Salt River  
 SEGMENT C  
 (7)TTP-OD (Through Truss Pinned) LENGTH: 1,050' BUILT: 1912 / 1912

1	S	Steel Cylinder Pier		14' X
	S	THROUGH TRUSS PINNED	P-6; E	150
2	C	Concrete Pier		35' X W
	S	THROUGH TRUSS PINNED	P-6; E	150
3	C	Concrete Pier		40' X W
	S	THROUGH TRUSS PINNED	P-6; E	150
4	C	Concrete Pier		39' X W
	S	THROUGH TRUSS PINNED	P-6; E	150

# PHOENIX SUB

5	C	Concrete Pier		39'	W
	S	THROUGH TRUSS PINNED	P-6; E	150	
6	C	Concrete Pier		44' X	W
	S	THROUGH TRUSS PINNED	P-6; E	150	
7	S	Steel Cylinder Pier		16'8"X	
	S	THROUGH TRUSS PINNED	P-6; E	150	

ASBESTOS: DOES NOT CONTAIN  
 STRINGERS: 12.50" X 40.00" Steel  
 NBR OF STRINGERS: 2  
 PANELS EQUAL: 1-7  
 WALKWAY: RIGHT: Steel  
 HANDRAIL: RIGHT: Steel Cable  
 TIES: 10.00" X 12.00" X 10.00' TIMBER 1978 117 BAD / 869 TOTAL  
 TIES/SPAN: 1:18/125,2:19/128,3:20/128,4:20/122,5:11/122,6:12/122,7:17/122  
 SPACER BLOCKS: NO  
 GUARD TIMBERS: YES  
 RAIL ANCHORS: PER STANDARD  
 END PATTERN: PER STANDARD  
 TIES: TIMBER  
 RAIL: 136 LB Continuously Welded  
 SPEED: 25 MPH (FREIGHT)  
 FRA CLAS: 2  
 ALIGN: TANGENT  
 GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16  
 APPROACH TIES NON-STANDARD  
 BRIDGE PROFILE: GOOD  
 STANDING WATER: 2-6  
 UNDERWATER INSPECTION REQUIRED (Group U2)  
 SNOOPER INSPECTION REQUIRED - Derived by Automatic logic (S1)

DEF	DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF #   COMMENTS
2	3/20/2007	DS	C	Footwalk/Handrail, Hardware, Broken, Span #4 Segment #C Middle Right Side, [DJS]	#200   MIDDLE HANDRAIL CABLE BRACKET BROKEN AT WELD IN TWO LOCATIONS
A	5/23/2005	D	C1	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #2 Span #1 Segment #C Bearing #1 & 2, [DJS]	#151   EXPANDED 1"
S	6/16/2009	D	C1	Super, Bearing System, Retainer Bolt, Loose, Pier #2 Span #1 Segment #C Bearing #1 Right Top, [AG]	#230   1 Loose Bolt out of 5 Top Row & 0 of 5 Btm Row

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A	5/23/2005	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #1 Span #1 Segment #C, Length 10", [DJS]	#152   10" CRACK OUT OF 13 1/4" / LEFT & RIGHT SIDE
A	5/23/2005	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #1 Segment #C, Length 6 1/2", [DJS]	#154   6 1/2" CRACK OUT OF 13 1/4" / BOTH SIDES
A	10/22/1999	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #2 Span #1 Segment #C, Length 6", [TEG]	#78   6" CRACK OUT OF 13 1/4" / LEFT SIDE
I	11/19/2013	DS	C1	Super, Footwalk/Handrail, Cable, Loose, Span #1 THRU 7 Segment #C Top Middle Bottom Right Side, [TEG]	#283
S	10/1/1999	D	C1	Super, Truss Members, Intermediate Post, CrackHorizontal, Panel #2 Member #U2L-L2L Left Truss Top Upper Connection, [AG]	#10   Meas: 1.00 Inches/%   1" Crack in top Left side of Channel of intermediate @ U2L Has Been Welded & Wooded Block has Been instale (Pic Attach)
S	1/10/2006	D	C2	Super, Bearing System, Retainer Bolt, Loose, Pier #3 Bearing #2 Left Bottom, [AG]	#115   1 of 5 Loose Retainer Bolts Left side Bottom 0 of 5 Loose Top
S	1/10/2006	D	C2	Super, Bearing System, Retainer Bolt, Missing, Pier #3 Pier #3 Bearing #1 Left Bottom, [AG]	#113   1 missing Bolts out of 5 left side Bottom 0 of 5 missing top
I	12/2/2015	DS	C2	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #6 Span #2, [MJA]	#303
A	6/12/2018	BT	C2	Super, Track System, Ties, Cluster Spots, Span #2 Tie #123-126, [MJA]	#321
A	6/12/2018	BT	C2	Super, Track System, Ties, Cluster Spots, Span #2 Tie #1, 2,3,4, [MJA]	#320
O	12/7/2004	D	C3	Super, Bearing System, Retainer Bolt, Loose, Pier #4 Bearing #1 Right Bottom, [AG]	#119   1 Loose retainer Bolt out of 5 Right side Bottom o of 5 loose Top

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O	12/7/2004	D	C3	Super, Bearing System, Retainer Bolt, Loose, Pier #4 Bearing #2 Right Bottom, [AG]	#118   1 Loose retainer Bolt out of 5 Right side Bottom 0 of 5 Top
O	12/7/2004	D	C3	Super, Bearing System, Segmental Roller, Misaligned, Pier #4 Span #3 Segment #C Bearing #1, [DJS]	#120   SKEWED 1/2"
O	12/7/2004	D	C3	Super, Bearing System, Segmental Roller, Misaligned, Pier #4 Span #3 Segment #C Bearing #2, [DJS]	#117   SKEWED 1 1/2"
A	5/23/2005	D	C3	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Pier #4 Span #3 Segment #C Bearing #1 & 2, [DJS]	#155   EXPANDED 1/2"
S	11/15/2000	B	C3	Super, Floor System/Bracing, Stringer Top Lateral, Fasteners Defective, Panel #5 Member #U2L At Stringer #2 Lateral #3, [MJI]	#74   Meas: 100.00 %   3 of 3 Broken Rivets at U2R
I	12/2/2015	DS	C3	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #1 Span #3, [MJA]	#304
O	12/7/2004	V	C3	Super, Truss Members, Eye Bar, Bent/Deformed, Member #2 Span #3 Segment #C Top, [DJS]	#116   L4 TO U5
O	12/7/2004	D	C4	Super, Bearing System, Retainer Bolt, Loose, Pier #5 Pier #5 Span #4 Bearing #1 Right Top, [DJS]	#124   1 LOOSE BOLT OUT OF 5
O	12/7/2004	D	C4	Super, Bearing System, Retainer Bolt, Loose, Pier #5 Pier #5 Span #4 Segment #C Bearing #1 Right Bottom, [DJS]	#125   2 LOOSE BOLT OUT OF 5
O	12/7/2004	D	C4	Super, Bearing System, Retainer Bolt, Loose, Pier #5 Pier #5 Span #4 Segment #C Bearing #2 Left Top, [DJS]	#126   1 LOOSE BOLT OUT OF 5
2	6/17/2009	D	C4	Super, Bearing System, Retainer Bolt, Loose, Pier #5 Pier #5 Span #4 Segment #C Bearing #2 Right Top, [DJS]	#232   1 LOOSE BOLT OUT OF 5

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A	5/23/2005	D	C4	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #5 Span #4 Segment #C Bearing #1, [DJS]	#156   EXPANDED 1 1/4"
O	12/7/2004	D	C4	Super, Bearing System, Segmental Roller, Misaligned, Pier #5 Span #4 Segment #C Bearing #1, [DJS]	#123   SKEWED 1"
2	6/17/2009	D	C4	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #5 Span #4 Segment #C Bearing #2, [DJS]	#231   EXPANDED 1/2"
A	5/23/2005	C	C4	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #1 Span #4 Segment #C, Length 6", [TEG]	#157   6" CRACK OUT OF 13 1/4" / RIGHT SIDE
O	12/7/2004	C	C4	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #2 Span #4 Segment #C, Length 9", [TEG]	#122   9" CRACK OUT OF 13 1/4" / LEFT SIDE
I	12/2/2015	DS	C4	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #3 Span #4, [MJA]	#305
I	12/2/2015	DS	C4	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #3 Span #4, [MJA]	#306
I	12/2/2015	DS	C4	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #5 Span #4, [MJA]	#307
A	6/12/2018	BT	C4	Super, Track System, Ties, Cluster Spots, Span #4 Tie #2-5, [MJA]	#322
A	6/12/2018	BT	C4	Super, Track System, Ties, Cluster Spots, Span #4 Tie #117-120, [MJA]	#323
O	10/22/1999	D	C4	Super, Truss Members, Hip Plate, Fasteners Defective, Panel #1 Member #U1L Right Truss, [AG]	#21   1 MISSING RIVET OUT OF 12 @ HIP PLATE CONN

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O	10/22/2000	D	C4	Super, Truss Members, Pin(s), Loose, Panel #2 Eyebar / Pin #U2L-L3L Left Truss, [AG]	#70   Pin # U2L Loose
O	10/22/1999	D	C5	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #6 Span #5 Segment #C Bearing #1, [DJS]	#36   EXPANDED 1 1/4"
2	6/17/2009	D	C5	Super, Bearing System, Retainer Bolt, Missing, Pier #6 Span #5 Segment #C Bearing #1 Left Top, [DJS]	#234
2	6/17/2009	D	C5	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #6 Span #5 Segment #C Bearing #2, [DJS]	#233   EXPANDED 3/4"
A	5/23/2005	C	C5	Super, Floor System/Bracing, Stringer Bracket, Broken, Floorbeam #6 Stringer #1 Span #5 Segment #C, [TEG]	#158   8" CORNER BROKEN OFF / LEFT SIDE
A	5/23/2005	C	C5	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #5 Segment #C, Length 3", [DJS]	#159   3" CRACK OUT OF 13 1/4" / RIGHT SIDE
A	5/23/2005	C	C5	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #2 Span #5 Segment #C, Length 9", [DJS]	#160   9" CRACK OUT OF 13 1/4" / LEFT SIDE
A	5/23/2005	C	C5	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #2 Span #5 Segment #C, Length 7", [DJS]	#161   7" CRACK OUT OF 13 1/4" / RIGHT SIDE
O	10/22/1999	D	C5	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners Defective, Panel #3 Floorbeam #3 Stringer #1 Left Side, [AG]	#34   Meas: 7.00 %   2 Broken rivets out of 15 Left side and 0 broken out of 15 right side
O	10/22/1999	V	C5	Super, Floor System/Bracing, Floorbeam, Bent/Deformed, Panel #6 Floorbeam #6 Span #5 Segment #C Left Bottom Flange, [TEG]	#35   2" DEFECTION IN 16"



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I	12/2/2015	DS	C5	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #4 Span #5, [MJA]	#308
A	5/23/2016	CT	C5	Super, Track System, Ties, Cluster Spots, Span #5 Tie #61- 63, [MJA]	#315
O	10/22/1999	V	C5	Super, Truss Bracing, Top Laterals, Bent/Deformed, Panel #3 Span #5 Segment #C Plate connection to U3L TO U4R, [TEG]	#24   1" IN 8"
O	10/22/1999	D	C6	Super, Bearing System, Segmental Roller, Misaligned, Pier #7 Span #6 Segment #C Bearing #2, [DJS]	#40   SKEWED 1 1/8"
2	6/17/2009	D	C6	Super, Bearing System, Retainer Bolt, Loose, Pier #7 Span #6 Segment #C Bearing #2 Right Bottom, [DJS]	#235   1 LOOSE BOLT OUT OF 5
O	12/7/2004	D	C6	Super, Bearing System, Retainer Bolt, Loose, Pier #7 Span #6 Segment #C Bearing #2 Right Top, [DJS]	#131   1 LOOSE BOLT OUT OF 5
O	10/22/1999	D	C6	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Pier #7 Span #6 Segment #C Bearing #1 & 2, [DJS]	#39   EXPANDED 1"
A	5/23/2005	C	C6	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #6 Segment #C, Length 8 3/4", [DJS]	#162   8 3/4" CRACK OUT OF 13 1/4" / LEFT SIDE
A	5/23/2005	C	C6	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #6 Segment #C, Length 10", [DJS]	#163   10" CRACK OUT OF 13 1/ 4" / RIGHT SIDE
O	12/7/2004	C	C6	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #2 Span #6 Segment #C, Length 6 3/4", [DJS]	#136   6 3/4" CRACK OUT OF 13 1/4" / LEFT SIDE

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S	10/24/2001	D	C6	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners Defective, Panel #1 Floorbeam #1 Stringer #1 Span #6 Bottom Right Side, [MJI]	#90   1 of 15 Broken Rivets Right Side, 0 of 15 Left Side
S	11/15/2000	D	C6	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners Defective, Panel #2 Floorbeam #1 Stringer #1 Span #6 Bottom Right Side, [MJI]	#72   1 of 15 Broken Rivets Right Side, 0 of 15 Left Side
I	12/2/2015	DS	C6	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #4 Span #6, [MJA]	#309
A	6/12/2018	CT	C6	Super, Track System, Ties, Cluster Spots, Span #6 Tie #118-120, [MJA]	#324
O	10/22/2000	D	C6	Super, Truss Members, Diagonal, Loose, Panel #4 Member #L4L/U5L Left Truss, [AG]	#71
2	6/17/2009	D	C7	Super, Bearing System, Retainer Bolt, Loose, Pier #8 Span #7 Segment #C Bearing #1 Left Bottom, [DJS]	#236   1 LOOSE BOLT OUT OF 5
A	5/23/2005	D	C7	Super, Bearing System, Segmental Roller, Misaligned, Pier #8 Span #7 Segment #C Bearing #2, [DJS]	#164   SKEWED 1/2"
2	2/14/2007	D	C7	Super, Bearing System, Segmental Roller, Loose Bolts/Nuts, Pier #8 Span #7 Segment #C Bearing #2 Left Top, [DJS]	#198   1 LOOSE BOLT OUT OF 5
O	10/22/1999	D	C7	Super, Bearing System, Segmental Roller, Expanded/Contracted, Pier #8 Span #7 Segment #C Bearing #1 & 2, [DJS]	#43   EXPANDED 1 1/4"
O	12/7/2004	D	C7	Super, Bearing System, Retainer Bolt, Loose, Pier #8 Span #7 Segment #C Right Top, [DJS]	#139   2 LOOSE BOLTS OUT OF 5
O	12/7/2004	C	C7	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #1 Span #7 Segment #C, Length 7 1/2", [TEG]	#132   7 1/2" CRACK OUT OF 13 1/4" / RIGHT SIDE

## PHOENIX SUB

O	12/7/2004	C	C7	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #2 Span #7 Segment #C, Length 5 3/4", [TEG]	#135   5 3/4" CRACK OUT OF 13 1/4" / LEFT SIDE
A	5/23/2005	C	C7	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #7 Segment #C, Length 9", [DJS]	#165   9" CRACK OUT OF 13 1/4" / LEFT SIDE
A	5/23/2005	C	C7	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #1 Span #7 Segment #C, Length 8", [DJS]	#166   8" CRACK OUT OF 13 1/4" / RIGHT SIDE
A	5/23/2005	C	C7	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6 Stringer #2 Span #7 Segment #C, Length 12", [DJS]	#167   12" CRACK OUT OF 13 1/4" / LEFT SIDE
O	10/22/1999	D	C7	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners Defective, Panel #5 Floorbeam #4 Stringer #1 Span #7 Segment #C Left Side, [MJI]	#41   1 of 15 Broken Rivets Left Side, 0 of 15 Right Side
I	12/2/2015	DS	C7	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #1,2,4&6 Span #7, [MJA]	#310
A	6/12/2018	BT	C7	Super, Track System, Ties, Cluster Spots, Span #7 Tie #1-4, [MJA]	#325   Refer to previous defect # 316.

913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Rio Salado Parkway  
 SEGMENT D  
 (1)TTR-OD (Through Truss Riveted) LENGTH: 100' BUILT: 1912 / 1912

1 S Steel Cylinder Pier 20'4"X  
 S THROUGH TRUSS RIVETED P-4; E 100

ASBESTOS: DOES NOT CONTAIN  
 STRINGERS: 12.50" X 40.00" Steel  
 NBR OF STRINGERS: 2  
 PANELS EQUAL: 1  
 WALKWAY: RIGHT: Steel  
 HANDRAIL: RIGHT: Steel Cable  
 TIES: 10.00" X 12.00" X 10.00' TIMBER 1978 13 BAD / 81 TOTAL  
 TIES/SPAN: 1:13/81  
 SPACER BLOCKS: NO

# PHOENIX SUB

GUARD TIMBERS: YES  
 RAIL ANCHORS: PER STANDARD  
 END PATTERN: PER STANDARD  
 TIES: TIMBER  
 RAIL: 136 LB Continuously Welded  
 SPEED: 25 MPH (FREIGHT)  
 FRA CLAS: 2  
 ALIGN: TANGENT  
**GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16**  
 APPROACH TIES NON-STANDARD  
 BRIDGE PROFILE: GOOD  
 NO STANDING WATER  
 UNDERWATER INSPECTION REQUIRED (Group U2)  
 SNOOPER INSPECTION REQUIRED - Derived by Automatic logic (S1)

DEF	DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF #	COMMENTS
2	6/18/2009	D	D1	Super, Bearing System, Retainer Bolt, Loose, Pier #1 Span #1 Segment #D Bearing #1 Left Top, [DJS]	#237	1 LOOSE BOLT OUT OF 6
0	12/7/2004	D	D1	Super, Bearing System, Retainer Bolt, Loose, Pier #1 Span #1 Segment #D Bearing #2 Left Top, [DJS]	#142	1 LOOSE BOLT OUT OF 6
0	12/7/2004	D	D1	Super, Bearing System, Retainer Bolt, Loose, Pier #1 Span #1 Segment #D Bearing #2 Right Bottom, [DJS]	#143	1 LOOSE BOLT OUT OF 6
0	12/7/2004	C	D1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #1 Span #1 Segment #D, Length 1", [DJS]	#140	3" CRACK OUT OF 13 / LEFT & RIGHT SIDE
0	12/7/2004	C	D1	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #0 Stringer #2 Span #1 Segment #D, Length 6", [TEG]	#141	6" CRACK OUT OF 13 1/4" / LEFT SIDE
0	10/22/1999	V	D1	Super, Floor System/Bracing, Floorbeam, Bent/Deformed, Panel #3 Floorbeam #3 Segment #D Right Top Flange, [DJS]	#45	3" BENT DOWN IN 12"
I	12/2/2015	DS	D1	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #4&5 Span #1, [MJA]	#311	

# PHOENIX SUB

A 5/23/2005 DS D1 Super, Footwalk/Handrail, #168 |  
 Cable, Loose, Span #1 Segment  
 #D Top Middle Bottom Right  
 Side, [DJS]

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 A 6/12/2018 CT D1 Super, Track System, Ties, #326 |  
 Cluster Spots, Span #1 Tie #79-  
 81, [MJA]  
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913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Salt River

SEGMENT E

(15)TST-BD (Timber Stringers) LENGTH: 222'7" BUILT: 1926 / 1926 CS: 39

1	S	Steel Cylinder Pier		19'
	T O O	5V 4A 4B 4A	: : O 5B O 5V 3V 4A	13
2	T G	O O O O O O	O	18'6"X
	T O O O	4A 4A 4A	: : 2A 2A 4A 2V O 4A	15
3	T G	O 5V O O O O	O	18' X
	T O O O	4V 4A 4A	: : H 4A 4A 4A 5V O O	15
4	T G	O O O O O 4V	O	18' X
	T O O O	4A 4A 2A	: : H 4A 4A 4A 4B O O	15
5	T G	O O O O 4V O	O	17'5"X
	T O O O O	4A 4B	: : 4A 2B 4B 4A O O	15
6	T T	O O O O O O	V	17' X
	T 4V O O O	4A 3A	: : H 4A O O 4A O O	15
7	T T	O O O O O O	V	17'4"X
	T O O O O	2V 4A 2V	: : 4B O O 2V 4A O	15

# PHOENIX SUB

8	T T O O O O 5V O		O	17'4"X
	T O 2V O O 4B 5V	:	: 4V O 2V 1V O O	15
9	T G O O O O O O		O	17' X
	T O O O 2V O 4A	:	: O O 4B 4A 2V 2A	15
10	T G O O O O O O		O	16'8"X
	T O O O 4B O 4B	:	: O 5V 4A 4A 5V O	15
11	T T O O O 5B O O		O	16' X
	T O O 4A 4A 2V 5V	:	: 4A 4B 4B O O O	15
12	T T O O O 5V O O		O	14'9"X
	T O 2V O 4A 4A 4A	:	: 4A 4A H 4B O O 2V	15
13	T G O O O O O 4V		O	14'3"X
	T 5V 4B 4A 4A 4A 4A	:	: 4A 4V 4B O 2V 4V	15
14	T T O O O O O O		O	13'7"X
	T O O O 4A 4A 4A	:	: 4A 4A 4A O O 3B	15
15	T T O O O O O O		O	12'3"X
	T 3V O O 4A 4A 2A	:	: 4A 5B 4A O O 4V	13 5

16	C Concrete Abutment	V 11'
ASBESTOS:	DOES NOT CONTAIN	
PILING:	1	(6) SIZE: 14" (44") Unknown S
	2-15	(6) SIZE: 14" (44") T
CAPS:	2,10,13	(1) 14.0" X 12.0" X 16.0' G
	3-5,9	(1) 13.8" X 11.8" X 16.0' G
	6-8,11-12,14-15	(1) 13.8" X 11.8" X 16.0' T

# PHOENIX SUB

SHIMS: 16 (1) 4.00" T  
 STRINGERS: 7.50" X 17.00" Timber YEAR: 1926  
 CROSS BRACING: 2-13,15 1(0)  
 14 1(1)  
 DECK FLOOR TYPE: Timber THICKNESS: 3"  
 DECK WIDTH: 15' 0"  
 BALLAST DEPTH: 18"  
 BALLAST RETAINER: 12" high Timber  
 DECK BOARD WIDTH: -  
 WALKWAY: NONE  
 HANDRAIL: RIGHT: Steel Cable  
 APPROACHES LOW: NO RC: O  
 RAIL: 136 LB Continuously Welded  
 SPEED: 25 MPH (FREIGHT)  
 FRA CLAS: 2  
 ALIGN: TANGENT  
 NO GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16  
 BRIDGE PROFILE: FAIR  
 NO STANDING WATER  
 UNDERWATER INSPECTION REQUIRED (Group U2)  
 SNOOPER INSPECTION REQUIRED - Derived by Automatic logic (S1)

DEF	DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF #	COMMENTS
A	5/24/2005	DT	E	Track System, Ballast Wings, Tilted Side-to-Side, Segment #E High Mile Side Left Side, [DJS]	#146	
I	11/19/2013	D	E1	Sub, Pier, Pier Cap, Dirt/ Debris Accumulat., Pier #1 Span # Both Left & Right Span #1, [TEG]	#284	
I	11/15/2018	CS	E1	Super, Footwalk/Handrail, Posts, Tilted Forward or Back, Span #1 Right Side, [TEG]	#327	1 handrail post
I	11/27/2017	C	E5	Super, Span, Ballast Retainers, Abrasion, Span #5 Left Side, [MJA]	#319	Meas: 4.00 %
I	11/27/2017	C	E7	Super, Span, Ballast Retainers, Tilted Side-to-Side, Span #7 Right Side, [MJA]	#318	Meas: 4.00 Inches
A	5/20/2010	D	E14	Sub, Bent, Sway Bracing, Decayed, Bent #14 Segment #E Pile #1 Bottom, [TEG]	#257	

INSP	DATE	INSPECTION FINDING [INIT]	COMMENTS
I	11/15/2018	Bridge, Inspection, [TEG]	

## PHOENIX SUB

F	9/19/2018	Bridge, Inspection, [TEG]	Structure is okay no damage
X	9/18/2018	Bridge, Inspection, [WW]	removed banding on bridge
X	9/18/2018	Bridge, Inspection, [TEG]	
A	6/12/2018	Bridge, Inspection, [MJA]	
S	3/27/2018	Bridge, Inspection, [JTG]	
S	4/21/2015	Bridge, Inspection, [JTG]	
S	10/29/2014	Bridge, Inspection, [MJI]	

**GENERAL NOTES:**

12/19/2003: GIRDER STRINGER 7' CENTER TO CENTER.  
 VC 16' 4" - SEGMENT D OVER ROADWAY.  
 VC SIGNS.  
 OHVC = 23' 2 1/2" - FROM END PORTAL ON WEST END.  
 OHHC = 7' 6" - FROM END POST BOTH ENDS LEFT SIDE.  
 OHHC = 7' 6" - FROM END POST BOTH ENDS RIGHT SIDE.  
 REFUGE PLATFORM BETWEEN SEGMENT B & C, ALSO ON SEGMENT C BETWEEN SPAN  
 2,3 SPAN 4,5 SPAN 6,7 AND BETWEEN SEGMENT C & D  
 IN 1980 PIER 9 SETTLED 2" TO THE LEFT. 5-14" H-BEAM  
 PILES WERE DRIVEN ON EACH SIDE OF CYLINDERS, PILES  
 AVERAGE 20' BELOW GROUND LINE. PIER WAS SANDBLASTED  
 & NELSON STUDS WELDED. REINFORCED CONCRETE JACKET POURED  
 PER CS 36424 TO GROUND LEVEL, GMO 60859.  
 IN 1991 PIERS 3, 4, 5, 6 & 7 WAS EXCAVATED DOWN & 2  
 CAISSONS WERE DRILLED OUTSIDE EACH CYLINDER INTO BED  
 ROCK & FILLED WITH REINFORCED CONCRETE PIER WAS SAND-  
 BLASTED & NELSON STUDS WELDED. REINFORCED CONCRETE  
 JACKET POURED AROUND PIER FROM TOP OF CAISSONS TO  
 16' WIDE, 32' LENGTH & 10' HIGH.  
 PIERS 3, 4, & 5 HAS NEW STEEL BRACING BETWEEN INSIDE  
 OF CYLINDERS.  
 EARTH CONCRETE LEVEE THROUGH SPAN 2 & INCASES PIER 8.  
 WORK WAS DONE BECAUSE OF SALT RIVER PROJECT.

10 CYLINDER PIERS 1905. OPEN DECK.

1 - 100' TRT A B CO ORDER C2790.  
 FABRICATED 1912 DESIGN E55 SPEC 1006.  
 346,000 LBS (NOT INCLUDING DECK)  
 ANALYSIS FILE 56317-1, 114 (100 FT. SPAN)

7 - 150' TPT A B CO ORDER C2791.  
 FABRICATED 1912 DESIGN E55 SPEC 1006  
 1,592,682 LBS (NOT INCLUDING DECK)  
 ANALYSIS FILE 56318-1, 113 (150 FT. SPANS)

1 - 100' TRT A B CO ORDER C2792.  
 FABRICATED 1912 DESIGN E55 SPEC 1006.  
 738,406 LBS (NOT INCLUDING DECK)  
 ANALYSIS FILE 56319-1, 112 (100 FT. SPAN)