

B2>>> 913.91(1) [SIMN] TEMPE (MARICOPA, AZ)
 SNOOPER - S1 - Last Snooper Insp = 08/09/2019 - 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
 Total 1,533'

LAST INSP: A-7/16/2019; I-12/3/2019; Q-12/2/2015; S-8/9/2019; U-8/28/2019; O-9/19/2018

MGT: 4 TPD: 4 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, #205 |
 Bent #2, Segment #A,
 Throughout, Entire Surface,
 [DJS]

 I 11/27/2017 DS A2 Super, Footwalk/Handrail, #317 | RTPD # 0192.
 Walkway, Collision Damage,
 Span #2, Segment #A, Left Side,
 [MJA]

 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 13 BAD / 81
 TOTAL
 TIES/SPAN: 1:13/81
 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, #13 |
 Pier #1, Both Left & Right,
 Top, Section Loss (15-30%),
 [DJS]

O	10/22/1999	V	B1	Sub, Pier, Cap, Spalling, Pier #1, Segment #B, Left, [DJS]	#12 LESS THAN 5% 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
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 " / 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 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, #147 | 1 MISSING
RIVET OUT OF

Strgr/FB Connection, Fasteners 15
Defective, Panel #1, Floorbeam
#0, Stringer #1, Bottom, Right
Side, [AG]

2 1/23/2007 D B1 Super, Floor System/Bracing, #194 | 1 BROKEN
RIVET OF FOUR

Diaphram, Fasteners Defective,
Span #1, Segment #B, Right,
Top, Between Stringer #s 1,2,
[DJS]

I 12/2/2015 DS B1 Super, Footwalk/Handrail, #302 |
Walkway Grating, Support Area
Insuffic., Panel #3, Span #1,
[MJA]

S 10/12/2006 DT B1 Super, Track System, Line #189 | Loose Line
Bolts

Bolts, Loose Bolts/Nuts,
Segment #B,C,D, Both Sides,
[DJS]

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	
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 145 BAD /
 869 TOTAL
 TIES/SPAN:
 1:25/125, 2:19/128, 3:23/128, 4:24/122, 5:17/122, 6:16/122, 7:21/122
 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 BRACKET BROKEN AT 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 Top Row & 0 of 5 Btm Row

A	5/23/2005	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked	#152 10" CRACK OUT 4" / LEFT & RIGHT
SIDE Fillet, Floorbeam #0, Stringer #1, Span #1, Segment #C, Length 10", [DJS]					
A	5/23/2005	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked	#154 6 1/2" CRACK 1/4" / BOTH SIDES
OUT OF 13 Fillet, Floorbeam #6, Stringer #1, Span #1, Segment #C, Length 6 1/2", [DJS]					
A	10/22/1999	C	C1	Super, Floor System/Bracing, Stringer Bracket, Cracked	#78 6" CRACK OUT / LEFT SIDE
OF 13 1/4" Fillet, Floorbeam #6, Stringer #2, Span #1, Segment #C, Length 6", [TEG]					
I	11/19/2013	DS	C1	Super, Footwalk/Handrail, Cable, Loose, Span #1 THRU 7, Segment #C, Top, Middle, Bottom, Right Side, [TEG]	#283
I	8/5/2019	AT	C1	Super, Track System, Ties, Decayed, Tie #119 - 124, [TEG]	#331 ties have spikefast
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 1" Crack in top Left Channel of Has Been Welded & Block has Been Attach)
Inches/% side of intermediate @ U2L Wooded instale (Pic					
S	1/10/2006	D	C2	Super, Bearing System, Retainer Bolt, Loose, Pier #3, Bearing #2, Left, Bottom, [AG]	#115 1 of 5 Loose Bolts Left side Loose Top
S	1/10/2006	D	C2	Super, Bearing System,	#113 1 missing

				Bolts out of of 5	Retainer Bolt, Missing, Pier #3, Pier #3, Bearing #1, Left, Bottom, [AG]	5 left side Bottom 0 missing top
S	8/9/2019	B	C2	%	Super, Floor System/Bracing, Stringer Top Lateral, Disconnected, Panel #1, Member #U3L, Span #2, Segment #C, At Stringer #1, [JTG]	#331 Meas: 100.00
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	retainer Bolt Bottom o	Super, Bearing System, Retainer Bolt, Loose, Pier #4, Bearing #1, Right, Bottom, [AG]	#119 1 Loose out of 5 Right side of 5 loose Top
O	12/7/2004	D	C3	retainer Bolt Bottom 0	Super, Bearing System, Retainer Bolt, Loose, Pier #4, Bearing #2, Right, Bottom, [AG]	#118 1 Loose out of 5 Right side 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 % 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

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

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

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

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 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 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
I	8/5/2019	BT	C4	Super, Track System, Ties, Decayed, Tie #495 - 498, [TEG]	#334 ties have spikefast
I	8/27/2019	BT	C4	Super, Track System, Ties, Decayed, Tie #379 - 382, [TEG]	#342
O	10/22/1999	D	C4	Super, Truss Members, Hip RIVET OUT OF Plate, Fasteners Defective, Panel #1, Member #U1L, Right Truss, [AG]	#21 1 MISSING 12 @ HIP PLATE CONN
O	10/22/2000	D	C4	Super, Truss Members, Pin(s), Loose Loose, Panel #2, Eyebar / Pin #U2L-L3L, Left Truss, [AG]	#70 Pin # U2L
O	10/22/1999	D	C5	Super, Bearing System, 1/4" Segmental Roller, Expanded/ Contracted, Pier #6, Span #5, Segment #C, Bearing #1, [DJS]	#36 EXPANDED 1
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, BROKEN OFF / Stringer Bracket, Broken, Floorbeam #6, Stringer #1, Span #5, Segment #C, [TEG]	#158 8" CORNER LEFT SIDE
A	5/23/2005	C	C5	Super, Floor System/Bracing, OF 13 1/	#159 3" CRACK OUT

				Stringer Bracket, Cracked Fillet, Floorbeam #6, Stringer #1, Span #5, Segment #C, Length 3", [DJS]	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 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 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 % rivets out of 15 and 0 broken out of 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
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
I	8/5/2019	CT	C5	Super, Track System, Ties, Decayed, Tie #618 - 620, [TEG]	#335 ties have spikefast
I	8/5/2019	BT	C5	Super, Track System, Ties,	#336 ties have

already

Decayed, Tie #625 - 628, [TEG] spikefast

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 OUT OF 5	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
O OUT OF 5	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
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 OUT OF 13	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 1/4" / LEFT SIDE
A OF 13 1/	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 4" / RIGHT SIDE
O OUT OF 13	12/7/2004	C	C6	Super, Floor System/Bracing, Stringer Bracket, Cracked Fillet, Floorbeam #6, Stringer	#136 6 3/4" CRACK 1/4" / LEFT SIDE

#2, Span #6, Segment #C,
Length 6 3/4", [DJS]

S	10/24/2001	D	C6	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners	#90 1 of 15 Broken Rivets Right Side, 0 of 15
Left Side				Defective, Panel #1, Floorbeam #1, Stringer #1, Span #6, Bottom, Right Side, [MJI]	
S	11/15/2000	D	C6	Super, Floor System/Bracing, Strgr/FB Connection, Fasteners	#72 1 of 15 Broken Rivets Right Side, 0 of 15
Left Side				Defective, Panel #2, Floorbeam #1, Stringer #1, Span #6, Bottom, Right Side, [MJI]	
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
I	8/5/2019	CT	C6	Super, Track System, Ties, Decayed, Tie #680 - 682, [TEG]	#337 ties have already spikefast
I	8/5/2019	CT	C6	Super, Track System, Ties, Decayed, Tie #741 - 743, [TEG]	#339 ties have already spikefast
I	8/27/2019	CT	C6	Super, Track System, Ties, Decayed, Tie #684 - 686, [TEG]	#343
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 OUT OF 5	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
O 1/4"	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
O OUT OF 5	12/7/2004	D	C7	Super, Bearing System, Retainer Bolt, Loose, Pier #8, Span #7, Segment #C, Right, Top, [DJS]	#139 2 LOOSE BOLTS
O OUT OF 13	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 1/4" / RIGHT SIDE
O OUT OF 13	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 1/4" / LEFT SIDE
A OF 13 1/	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 4" / LEFT SIDE
A OF 13 1/	5/23/2005	C	C7	Super, Floor System/Bracing,	#166 8" CRACK OUT

				Stringer Bracket, Cracked Fillet, Floorbeam #6, Stringer #1, Span #7, Segment #C, Length 8", [DJS]	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 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
S	8/9/2019	D	C7	Super, Floor System/Bracing, Stringer Top Lateral, Fasteners Defective, Panel #5, Member #U1L, Span #7, Segment #C, At Stringer #1, [JTG]	#332 Meas: 25.00 % broken rivets
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 RTPD # 316.
I	8/5/2019	CT	C7	Super, Track System, Ties, Decayed, Tie #746 - 748, [TEG]	#340 ties have already spikefast

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 17 BAD / 81
 TOTAL
 TIES/SPAN: 1:17/81
 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
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
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
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
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 LEFT & RIGHT SIDE

O	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 4" / LEFT SIDE
O	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
I	12/2/2015	DS	D1	Super, Footwalk/Handrail, Walkway Grating, Support Area Insuffic., Panel #4&5, Span #1, [MJA]	#311
A	5/23/2005	DS	D1	Super, Footwalk/Handrail, Cable, Loose, Span #1, Segment #D, Top, Middle, Bottom, Right Side, [DJS]	#168
A	7/16/2019	BT	D1	Super, Track System, Ties, Cluster Spots, Span #1, Tie #78-81, [MJA]	#328 RTPD # 326.
I	8/5/2019	BT	D1	Super, Track System, Ties, Decayed, Tie #60 - 63, [TEG]	#341 ties have already spikefast
A	7/16/2019	BT	D1	Super, Track System, Ties, Fasteners Defective, Tie #70- 74, [MJA]	#329

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 2A 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 2V 4A 2V	:	:	4B O O 2V 4A O	15
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 4A 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 5V 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 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 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
 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: 12.00"
 WALKWAY: NONE
 HANDRAIL: RIGHT: Steel Cable
 APPROACHES LOW: NO RC: O
 DECK BOARD: 29 BAD / 223 TOTAL
 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/	#284	

Debris Accumulat., Pier #1,
Span #, Both Left & Right,
Span #1, [TEG]

I 11/15/2018 CS E1 Super, Footwalk/Handrail, #327 | 1 handrail
post
Posts, Tilted Forward or Back,
Span #1, Right Side, [TEG]

A 7/16/2019 CT E1 Super, Track System, Track, #330 |
Low Approach Beginning, [MJA]

I 11/27/2017 C E5 Super, Span, Ballast Retainers, #319 | Meas: 4.00 %
|
Abrasion, Span #5, Left Side,
[MJA]

I 11/27/2017 C E7 Super, Span, Ballast Retainers, #318 | Meas: 4.00
Inches |
Tilted Side-to-Side, Span #7,
Right Side, [MJA]

A 5/20/2010 D E14 Sub, Bent, Sway Bracing, #257 |
Decayed, Bent #14, Segment #E,
Pile #1, Bottom, [TEG]

INSP DATE	INSPECTION FINDING [INIT]	COMMENTS
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I 12/3/2019	Bridge, Inspection, [TEG]	
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S 8/9/2019	Bridge, Inspection, [JTG]	
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A 7/16/2019	Bridge, Inspection, [MJA]	
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S 4/21/2015	Bridge, Inspection, [JTG]	
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UNDERWATER INSPECTIONS:

INSP DATE	INSPECTION FINDING [INIT]	COMMENTS
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UD 8/28/2019	Bridge, Inspection, [TEG]	Carl Engebretth Marine Interface
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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)