

PHOENIX SUB

B2>>> 913.91(1) [SIMN] TEMPE (MARICOPA, AZ)
 SNOOPER - S1 - Last Snooper Insp = 02/12/2020 - PLATE ID: 913.93
 Segment A 60' PCB 2 spans 1990
 Segment B 100' TTROD 1 span 1912
 Segment C 920' TTPOD 6 spans 1912
 Segment D 139' PCB 5 spans 2020
 Segment E 133' TPG 1 span 2020
 Segment F 179' PCB 6 spans 2020

Total 1,531'

LAST INSP: A-7/9/2020; I-12/7/2020; Q-12/2/2015; S-2/12/2020; U-8/28/2019; O-9/10/2020

MGT: 4 TPD: 4 POSTED CLEARANCE: 16'4"
 ACCESS: ROW Road PHOTOS: 11 (12/07/20)
 LATITUDE: 33.43516 LONGITUDE: -111.9441
 TRESPASS: SIGN(S) PRESENT - 2
 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"
 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: 4
 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 NOT REQUIRED

DEF DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF # COMMENTS
I 11/27/2017	BS	A2	Super, Footwalk, WalkwayConcrete, Broken, Left, [TEG]	#317 RTPD # 0192. 6" X 8"

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

PHOENIX SUB

2	C	Concrete Pier		35'	W
	S	THROUGH TRUSS PINNED	P-6; E	160	
3	C	Concrete Pier		40'	W
	S	THROUGH TRUSS PINNED	P-6; E	160	
4	C	Concrete Pier		39'	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'	W
	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: 1-6
 WALKWAY: LEFT: Steel; RIGHT: Steel
 HANDRAIL: LEFT: Steel Cable; RIGHT: Steel Cable
 TIES: 10.00" X 10.00" X 10.00' TIMBER 2020 0 BAD / 678 TOTAL
 TIES/SPAN: 1:0/109,2:0/121,3:0/121,4:0/109,5:0/109,6:0/109
 SPACER/TIMBER BLOCKS: NO
 COVERED DECK: NO
 GUARD TIMBERS: YES
 ELASTIC FASTENERS: YES
 END PATTERN: PER STANDARD
 TIES: TIMBER
 RAIL: 136 LB Continuously Welded
 SPEED: 25 MPH (FREIGHT)
 FRA CLAS: 4
 ALIGN: TANGENT
 GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 05/23/16
 APPROACH TIES NON-STANDARD
 BRIDGE PROFILE: GOOD
 STANDING WATER: 1-6
 UNDERWATER INSPECTION REQUIRED (Group U2)
 SNOOPER INSPECTION REQUIRED - Derived by Automatic logic (S1)

DEF DATE	DCLS	AREA	DEFECT FINDING [INIT]	DEF # COMMENTS
A 5/23/2005	C	C1	Super, Bearing System, Segmental Roller, Expanded/Contracted, Bearing #1 & 2, [TEG]	#151 EXPANDED 1"
S 6/16/2009	C	C1	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #1, [TEG]	#230 Meas: 20.00 % Right side 1 out of 5 Top Row & 0 of 5 Btm Row
D 8/8/2020	C	C1	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #1, Left, [TEG]	#397 Meas: 6.50 Inches/% Top flange, out of 13.5"

PHOENIX SUB

D	8/8/2020	C	C1	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #1, Right, [TEG]	#398 Meas: 11.00 Inches/% Top flange, 11" out of 13.5"
D	8/8/2020	C	C1	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #2, Right, [TEG]	#399 Meas: 5.50 Inches/% Top flange, out of 13.5"
S	1/10/2006	C	C2	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #1, [TEG]	#113 Meas: 10.00 % Right side 1 of 5 Bottom, 0 of 5 top
S	1/10/2006	C	C2	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #2, [TEG]	#115 Meas: 10.00 % Left side 1 of 5 Bottom, 0 of 5 Top
D	8/8/2020	C	C2	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #2, Left, [TEG]	#400 Meas: 7.00 Inches/% Top flange, out of 13.5
D	8/8/2020	C	C2	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #2, Left, [TEG]	#402 Meas: 6.00 Inches/% Top flange, out of 13.5"
D	8/8/2020	D	C2	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #6, Web, Right, [TEG]	#401 Meas: 1.00 Inches
A	5/23/2005	C	C3	Super, Bearing System, Segmental Roller, Expanded/Contracted, Bearing #1 & 2, [TEG]	#155 EXPANDED 1/2"
O	12/7/2004	C	C3	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #1, [TEG]	#119 Meas: 10.00 % right side 1 of 5 Bottom, 0 of 5 Top
O	12/7/2004	C	C3	Super, Bearing System, Segmental Roller, Shifted/Tilted, Bearing #1, [TEG]	#120 Meas: 0.50 Inches SKEWED
O	12/7/2004	C	C3	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #2, [TEG]	#118 Meas: 10.00 % Left side 1 of 5 Bottom, 0 of 5 Top
O	12/7/2004	C	C3	Super, Bearing System, Segmental Roller, Shifted/Tilted, Bearing #2, [TEG]	#117 Meas: 1.50 Inches SKEWED
D	8/8/2020	C	C3	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #1, Right, [TEG]	#403 Meas: 7.00 Inches/% Top flange, out of 13.5"
D	7/30/2020	C	C3	Super, Truss Members, End Post, Bent/Deformed, Member #L6L to U5L, [TEG]	#363 Meas: 2.00 Inches
O	12/7/2004	C	C4	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #1, [TEG]	#125 Meas: 30.00 % Left side 2 of 5 bottom, 1 of 5 top

PHOENIX SUB

A	5/23/2005	C	C4	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Bearing #1, [TEG]	#156 EXPANDED 1 1/4"
O	12/7/2004	C	C4	Super, Bearing System, Segmental Roller, Shifted/ Tilted, Bearing #1, [TEG]	#123 Meas: 1.00 Inches SKEWED
O	12/7/2004	C	C4	Super, Bearing System, Ret- Bolt/Rod/Pin, Fasteners Defective, Bearing #2, [TEG]	#126 Meas: 10.00 % right side 1 of 5 top, 0 of 5 bottom, 10%
Q2	6/17/2009	C	C4	Super, Bearing System, Ret- Bolt/Rod/Pin, Fasteners Defective, Bearing #2, [TEG]	#232 Meas: 10.00 % Left side 1 of 5 top. 0 of 5 bottom,
Q2	6/17/2009	C	C4	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Bearing #2, [TEG]	#231 EXPANDED 1/2"
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #1, Left, [TEG]	#405 Meas: 8.00 Inches/% Top flange, out of 13.5"
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #1, Right, [TEG]	#404 Meas: 10.00 Inches/% Top flange, 10"
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #2, Left, [TEG]	#406 Meas: 11.00 Inches/% Top flange, out of 13.5"
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #2, Right, [TEG]	#407 Meas: 9.00 Inches/% Top flange, out of 13.5"
D	7/30/2020	D	C4	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #0, Web, Left, [TEG]	#364 Meas: 1.00 Inches
D	7/30/2020	D	C4	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #4, Web, Left, [TEG]	#370 Meas: 1.00 Inches
D	7/30/2020	D	C4	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #5, Web, Left, [TEG]	#371 Meas: 1.00 Inches
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #1, Right, [TEG]	#408 Meas: 8.00 Inches/% Top flange, out of 13.5"
D	8/8/2020	C	C4	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #2, Left, [TEG]	#410 Meas: 7.00 Inches/% Top flange. out of 13.5"
D	7/30/2020	D	C4	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #6, Web, Left, [TEG]	#372 Meas: 1.50 Inches
D	8/8/2020	C	C4	Super, Floor System, Floorbeam,	#409 Meas: 1.00 Inches

PHOENIX SUB

				Bent/Deformed, Floorbeam #6, Web, Middle 1/3, [TEG]	Heat warp
D	8/8/2020	C	C4	Super, Floor System, Stringer Laterals, Bent/Deformed, Panel #5 & 6, Member #U0L to U3R, [TEG]	#395 Meas: 3.00 Inches
D	8/8/2020	C	C4	Super, Floor System, Stringer Laterals, Fasteners Defective, Panel #4, Member #U0R to U1L, [TEG]	#394 Meas: 33.00 % 1 of 3
Q1	3/20/2007	BS	C4	Super, Handrail, PostsSteel, Broken, Right, [TEG]	#200 MIDDLE HANDRAIL CABLE BRACKET BROKEN AT WELD IN TWO LOCATIONS
O	10/22/1999	C	C4	Super, Truss Members, End Post, Fasteners Defective, Member #U1L, [TEG]	#21 Meas: 8.00 % 1 MISSING RIVET OUT OF 12 @ HIP PLATE CONN
D	8/8/2020	B	C4	Super, Truss Members, Counter, Loose, Member #U3R to L4R, [TEG]	#428 9 oscillation
O	10/22/1999	C	C5	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Bearing #1, [TEG]	#36 EXPANDED 1 1/4"
Q2	6/17/2009	C	C5	Super, Bearing System, Segmental Roller, Expanded/ Contracted, Bearing #2, [TEG]	#233 EXPANDED 3/4"
D	8/8/2020	C	C5	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #1, Right, [TEG]	#411 Meas: 11.00 Inches/% Topflange
D	8/1/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #0, Web, Left, [TEG]	#388 Meas: 1.00 Inches
D	8/8/2020	C	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #0, Web, Middle 1/3, [TEG]	#412 Meas: 1.00 Inches Heat warp
D	8/1/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #2, Web, Left, [TEG]	#387 Meas: 1.00 Inches
D	8/1/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #3, Web, Left, [TEG]	#386 Meas: 1.00 Inches
D	8/1/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #4, Web, Left, [TEG]	#385 Meas: 1.50 Inches
D	7/30/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #5, Web, Left, [TEG]	#379 Meas: 2.00 Inches

PHOENIX SUB

D	8/8/2020	B	C5	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #6, Stringer #1, [TEG]	#413 Meas: 10.00 Inches/% Top flange, Left side 8", Right side 10"
D	7/30/2020	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #6, Web, Left, [TEG]	#384 Meas: 3.00 Inches
O	10/22/1999	D	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #6, Web, Left, [TEG]	#35 Meas: 2.00 Inches 2" deflection in 16"
D	8/8/2020	C	C5	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #6, Web, Middle 1/3, [TEG]	#414 Meas: 1.00 Inches Heat warp
D	7/30/2020	C	C5	Super, Floor System, Stringer Laterals, Bent/Deformed, Panel #1 - 6, Member #U0L to U3L, [TEG]	#375 Meas: 3.00 Inches
O	10/22/1999	C	C5	Super, Truss Members, Top Laterals, Bent/Deformed, Member #U3L, [TEG]	#24 Meas: 1.00 Inches 1" IN 8"
D	7/30/2020	C	C5	Super, Truss Members, End Post, Bent/Deformed, Member #L6L to U5L, [TEG]	#380 Meas: 1.50 Inches
O	10/22/1999	C	C6	Super, Bearing System, Segmental Roller, Expanded/Contracted, Bearing #1 & 2, [TEG]	#39 EXPANDED 1"
Q2	6/17/2009	C	C6	Super, Bearing System, Ret-Bolt/Rod/Pin, Fasteners Defective, Bearing #2, [TEG]	#235 Meas: 20.00 % Right side 1 of 5 bottom, 1 of 5 top
O	10/22/1999	C	C6	Super, Bearing System, Segmental Roller, Shifted/Tilted, Bearing #2, [TEG]	#40 Meas: 1.25 Inches SKEWED
D	8/8/2020	C	C6	Super, Floor System, Stringer Bracket, Cracked, Floorbeam #0, Stringer #2, Left, [TEG]	#416 Meas: 7.00 Inches/% Top flange, out of 13.5"
D	8/1/2020	D	C6	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #0, Web, Left, [TEG]	#389 Meas: 1.00 Inches
D	8/1/2020	D	C6	Super, Floor System, Floorbeam, Bent/Deformed, Floorbeam #1, Web, Left, [TEG]	#392 Meas: 1.00 Inches

PHOENIX SUB

D	8/1/2020	D	C6	Super, Floor System, Floorbeam, #391 Meas: 1.50 Inches Bent/Deformed, Floorbeam #2, Web, Left, [TEG]
D	8/1/2020	D	C6	Super, Floor System, Floorbeam, #390 Meas: 1.50 Inches Bent/Deformed, Floorbeam #3, Web, Right, [TEG]
D	7/30/2020	C	C6	Super, Truss Members, End Post, #382 Meas: 1.50 Inches Bent/Deformed, Member #L0L to Connection angle bent downward U1L, [TEG]
D	8/8/2020	C	C6	Super, Truss Members, End Post, #444 Meas: 3.50 Inches/% Cracked, Member #L0L to U1L, Out of 24" [TEG]

913.91(1) [SIMN] TEMPE (MARICOPA, AZ) OVER: Arroyo Tempe Lake
 SEGMENT D
 (5)PCB-BD (Prestressed Concrete Box) LENGTH: 139'2" BUILT: 1912 / 2020

1	S	Steel Cylinder Pier	20'4"X
	C	PRESTRESSED CONCRETE BOX	29 10
2	S C	O O O	0 17' X
	C	PRESTRESSED CONCRETE BOX	29 10
3	S C	O O O	0 17' X
	C	PRESTRESSED CONCRETE BOX	29 10
4	S C	O O O	0 17' X
	C	PRESTRESSED CONCRETE BOX	19 10
5	S C	O O O	0 18' X
	C	PRESTRESSED CONCRETE BOX	29 10

ASBESTOS: DOES NOT CONTAIN
 PILING: 2-5 (3) SIZE: 14 x 89 HP A-588 S
 CAPS: 2-5 (1) 36.0" X 32.0" X 15.0' C
 DECK FLOOR TYPE: Concrete
 DECK WIDTH: 15' 10"
 BALLAST DEPTH: 22"
 BALLAST RETAINER: 24" high Concrete
 WALKWAY: NONE
 HANDRAIL: LEFT: Steel Rail or Tube; RIGHT: Steel Rail or Tube
 RAIL: 136 LB Continuously Welded
 SPEED: 25 MPH (FREIGHT)
 FRA CLAS: 4
 ALIGN: TANGENT
 NO GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 09/04/20
 BRIDGE PROFILE: GOOD
 NO STANDING WATER

PHOENIX SUB

UNDERWATER INSPECTION NOT REQUIRED

913.91(1) [SIMN] TEMPE (MARICOPA, AZ)

SEGMENT E

(1)TPG-BD (Through Plate Girder) LENGTH: 133' BUILT: 2020 / 2020

1a S C O O O O O O O O O O O O 17' X

1b S C O O O O O O O O O O O O 17' X

S THROUGH PLATE GIRDER P-0; C 133

ASBESTOS: NOT VERIFIED

PILING: 1 (9) SIZE: 14 x 89 HP A-588 S

CAPS: 1 (1) 71.0" X 36.0" X 30.0' C

SHIMS: 1 (1) 14.00" S

NBR OF STRINGERS: 0

CLOSELY SPACED: 1

DECK FLOOR TYPE: Steel THICKNESS: 0.88"

DECK WIDTH: 14' 6"

BALLAST DEPTH: 20"

BALLAST RETAINER: 26" high Steel

WALKWAY: NONE

HANDRAIL: NONE

RAIL: 136 LB Continuously Welded

SPEED: 25 MPH (FREIGHT)

FRA CLAS: 4

ALIGN: TANGENT

NO GUARDRAIL ON BRIDGE SEGMENT TRACK - Status Date: 09/04/20

BRIDGE PROFILE: GOOD

NO STANDING WATER

UNDERWATER INSPECTION NOT REQUIRED

913.91(1) [SIMN] TEMPE (MARICOPA, AZ)

SEGMENT F

(6)PCB-BD (Prestressed Concrete Box) LENGTH: 179' BUILT: 2020 / 2020

1a S C O O O O O O O O O O O O 17' X

1b S C O O O O O O O O O O O O 17' X

C PRESTRESSED CONCRETE BOX 29 10

2 S C O O O O 18' X

C PRESTRESSED CONCRETE BOX 29 10

3 S C O O O O 18' X

C PRESTRESSED CONCRETE BOX 29 10

4 S C O O O O 18' X

C PRESTRESSED CONCRETE BOX 29 10

PHOENIX SUB

```

5      S C      O O O      O      17' X
      C      PRESTRESSED CONCRETE BOX      29 10
6      S C      O O O      O      14' X
      C      PRESTRESSED CONCRETE BOX      29 10
7      S C      O O O      O      7' X
  
```

```

ASBESTOS:      DOES NOT CONTAIN
PILING:      1      (9) SIZE: 14 x 89 HP A-588 S
              2-7      (3) SIZE: 14 x 89 HP A-588 S
CAPS:      1      (1) 71.0" X 36.0" X 30.0' C
              2-6      (1) 36.0" X 32.0" X 15.0' C
              7      (1) 36.0" X 24.0" X 18.5' C
DECK FLOOR TYPE: Concrete
DECK WIDTH: 15' 10"
BALLAST DEPTH: 22"
BALLAST RETAINER: 24" high Concrete
WALKWAY: NONE
HANDRAIL: LEFT: Steel Rail or Tube; RIGHT: Steel Rail or Tube
APPROACHES LOW: NO RC: O
RAIL: 136 LB Continuously Welded
SPEED: 25 MPH (FREIGHT)
FRA CLAS: 4
ALIGN: TANGENT
NO GUARDRAIL ON BRIDGE SEGMENT TRACK
BRIDGE PROFILE: GOOD
NO STANDING WATER
UNDERWATER INSPECTION NOT REQUIRED
  
```

INSP DATE	INSPECTION FINDING [INIT]	COMMENTS
I 12/7/2020	Bridge, Inspection, [TEG]	
X 9/10/2020	Bridge, Inspection, [MJA]	Looked at repairs with MBM Wright.
D 8/14/2020	Bridge, Inspection, [TEG]	
X 8/8/2020	Bridge, Inspection, [TEG]	
A 7/9/2020	Bridge, Inspection, [TEG]	
X 6/28/2020	Bridge, Inspection, [MJA]	
D 6/27/2020	Bridge, Inspection, [TEG]	No structural damage found. Bingo sheet will reflect tie damage caused by derailment.
X 2/26/2020	Bridge, Inspection, [WW]	no damage or safety fence needed. Bridge per standards

PHOENIX SUB

S 2/12/2020 Bridge, Inspection, [JTG]

UNDERWATER INSPECTIONS:

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

GENERAL NOTES:

- 12/07/2020: Bent 1 Segement E concrete encased.
Bent 1 segement F concrete encased.
- 09/02/2020: Steel cylinder pier at D1 was constructed in 1912, Substructures D2 - D5 were constructed in 2020.

TIE RATING BINGO SHEET:

		Good			Fair			Bad

**Underlined Tie Number/Rating = Defective Fastener

Track - [SIMN] - Tie Ratings As of 8/11/2020

B-1	001	002	003	004	005	006	007	008	009	010	011	012	013
	G	G	G	G	G	G	G	G	G	G	G	G	G

	014	015	016	017	018	019	020	021	022	023	024	025	026	027
	G	G	G	G	G	G	G	G	G	G	G	G	G	G

	028	029	030	031	032	033	034	035	036	037	038	039	040	041
	G	G	G	G	G	G	G	G	G	G	G	G	G	G

	042	043	044	045	046	047	048	049	050	051	052	053	054	055
	G	G	G	G	G	G	G	G	G	G	G	G	G	G

	056	057	058	059	060	061	062	063	064	065	066	067	068	069
	G	G	G	G	G	G	G	G	G	G	G	G	G	G

	070	071	072
	G	G	G

C-1	001	002	003	004	005	006	007	008	009	010	011	012	013
	G	G	G	G	G	G	G	G	G	G	G	G	G

PHOENIX SUB

014	015	016	017	018	019	020	021	022	023	024	025	026	027
G	G	G	G	G	G	G	G	G	G	G	G	G	G

028	029	030	031	032	033	034	035	036	037	038	039	040	041
G	G	G	G	G	G	G	G	G	G	G	G	G	G

042	043	044	045	046	047	048	049	050	051	052	053	054	055
G	G	G	G	G	G	G	G	G	G	G	G	G	G

056	057	058	059	060	061	062	063	064	065	066	067	068	069
G	G	G	G	G	G	G	G	G	G	G	G	G	G

070	071	072	073	074	075	076	077	078	079	080	081	082	083
G	G	G	G	G	G	G	G	G	G	G	G	G	G

084	085	086	087	088	089	090	091	092	093	094	095	096	097
G	G	G	G	G	G	G	G	G	G	G	G	G	G

098	099	100	101	102	103	104	105	106	107	108	109
G	G	G	G	G	G	G	G	G	G	G	G

C-2	001	002	003	004	005	006	007	008	009	010	011	012	013
	G	G	G	G	G	G	G	G	G	G	G	G	G

014	015	016	017	018	019	020	021	022	023	024	025	026	027
G	G	G	G	G	G	G	G	G	G	G	G	G	G

028	029	030	031	032	033	034	035	036	037	038	039	040	041
G	G	G	G	G	G	G	G	G	G	G	G	G	G

042	043	044	045	046	047	048	049	050	051	052	053	054	055
G	G	G	G	G	G	G	G	G	G	G	G	G	G

056	057	058	059	060	061	062	063	064	065	066	067	068	069
G	G	G	G	G	G	G	G	G	G	G	G	G	G

070	071	072	073	074	075	076	077	078	079	080	081	082	083
G	G	G	G	G	G	G	G	G	G	G	G	G	G

PHOENIX SUB

|084 ||085 ||086 ||087 ||088 ||089 ||090 ||091 ||092 ||093 ||094 ||095 ||096 ||097 |
|G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G |

|098 ||099 ||100 ||101 ||102 ||103 ||104 ||105 ||106 ||107 ||108 ||109 ||110 ||111 |
|G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G ||G |

|112 ||113 ||114 ||115 ||116 ||117 ||118 ||119 ||120 ||121 |
|G ||G ||G ||G ||G ||G ||G ||G ||G ||G |
