

BRIDGE GROUP

Inspection Report

Structure No.:	08605	Structure Name:	Pinal Creek RCB	Inspected by :	ADOT-Zapata/Kazmi
Route :	0	Road Name:	Bixby Road	Inspection Type:	Routine
MP :	0	Agency:	Gila Co	Inspection Date :	Wednesday, May 6, 2020
ADOT District:	Southeast			Next Insp. Due By :	May 2024

NBI Condition Ratings

N58 Deck :	N N/A (NBI)	N61 Channel:	6 Bank Slumping
N59 Superstructure :	N N/A (NBI)	N62 Culvert :	7 Minor Deterioration
N60 Substructure :	N N/A (NBI)		

Appraisal Ratings

N67 Structural Evaluation:	7 Above Min Criteria	N71 Waterway Adequacy:	8 Equal Desirable
N68 Deck Geometry:	4 Tolerable	N72 Approach Roadway Align.:	6 Equal Min Criteria
N69 Vert. & Horiz. Clearances:	N Not applicable (NBI)	N113 Scour Critical:	8 Stable Above Footing

Inspection Notes

Roadway/Safety:

- Two-lane AC roadway has narrow to medium transverse, longitudinal and map cracks of moderate to high density. Trees and bushes are encroaching roadway, recommend maintenance to remove trees and bushes from roadway. See photo 5 and maintenance report.
- Fills are in good condition with minor vegetation growth.
- Continuous W-beam guardrail is on both sides of roadway. See element 330 for notes on guardrail.
- B/Y Object markers are at NW, SW and SE guardrail end sections. NE B/Y object marker is missing, recommend maintenance to install B/Y Object marker at NE corner. See photo 7 and maintenance report.
- Twenty MPH and left turn signs are at SE corner of RCB.

Waterway:

- Sandy channel with moderate bank vegetation. Flow is east to west.
- Channel is dry at time of inspection and drops approx. 2.5 ft. at end of outlet apron.
- Grouted rock outlet apron (approx. 15' long) has narrow to medium transverse and longitudinal cracks and heavy abrasion. Approx. 25' of dumped rock and concrete rubble follows the apron.
- Bank protection consists of large tires at NE, SE and SW corners of RCB, and is in good condition.
- A flow gauge is at NW corner.
- Inlet gates are damaged, recommend to reinstall gates at right of way and remove debris build up at inlet, see photo 9. See maintenance report..
- Inlet opening: 91 %; Outlet opening: 99 %; High Water Level: 2 ft below soffit at inlet.

Miscellaneous Inspection Notes:

- The inspection was completed by ADOT Team 2.
- No previous repairs or maintenance items to verify. One new repair and four maintenance items recommended for this inspection.

Photos:

- Roadway ID looking North
- Elevation ID looking U/S (E)
- Deck Top
- Barrel View
- Bushes encroaching roadway
- Rebar exposed at 4th wall from north, at downstream end.
- Missing B/Y marker at northeast corner
- Guardrail height very low to the ground
- Inlet gate damaged and debris piled up against inlet gate
- Broken off section on southeast corner junction of wingwall and RCB
- West side guardrail Damaged
- Rebar exposed on floor.

Element No.	Element Description	Quantity	Units	Env.	Condition State			
					1	2	3	4
241	Re Conc Culvert	204.00	ft	2.00	182	22	0	0

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Element No.	Element Description	Quantity	Units	Env.	Condition State			
					1	2	3	4

6 RCB- 12' x 8' x 34' RCB w/ 1' fill.

- Walls have minor hairline to narrow vertical cracks and a few small spalls (typically at base) with exposed rebar. Outlet end of Barrel 2 (from south) has edge spall at base, with exposed rebar, see photo 6
- Soffit has minor hairline transverse and random cracks with minor random efflorescence.
- Floor has moderate to heavy abrasion with rebar exposed on floor near the outlets, see photo 12. .
- At the junction of southeast RCB and wingwall, there's a large crack and spall. See photo 10.
- Curbs, headwalls and wingwalls have a few minor spalls.
- Recommend repair to patch up and resurface all rebar exposed, spalls and large crackings in RCB. See photos 6, 10 and 12. and maintenance item.

1090	Exposed Rebar	7.00	ft	2.00	0	7	0	0
1120	Efflorescence/Rust Staining	5.00	ft	2.00	0	5	0	0
1130	Cracking (RC and Other)	10.00	ft	2.00	0	10	0	0

330	Metal Bridge Railing	154.00	ft	2.00	144	10	0	0
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- Description: W-beam guardrail, both sides of roadway.
- W-beam has a few minor dents.
- W-Beam Guardrail is placed too low on the ground. Guardrail is damaged on southeast corner and on the west side of roadway, recommend maintenance to lift up / increase height and repair guardrail at all damaged areas. See photo 1, 7,8 and 11 and maintenance report.