

BRIDGE GROUP

Inspection Report

Structure No.: **08197** Structure Name: **Icehouse Canyon Br 2** Inspected by : **ADOT-Zapata/Kazmi**
 Route : **0** Road Name: **Pinal View Drive** Inspection Type: **Routine**
 MP : **0** Agency: **Gila Co** Inspection Date : **Monday, May 4, 2020**
 ADOT District: **Southeast** Next Insp. Due By : **May 2022**

NBI Condition Ratings

N58 Deck : 7 Good N61 Channel: 5 Bank Prot Eroded
 N59 Superstructure : 7 Good N62 Culvert : N N/A (NBI)
 N60 Substructure : 7 Good

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: 3 SC - Unstable

Inspection Notes

Waterway:
 1. Sandy, cobbly channel with moderate to heavy bank vegetation. Flow runs from W. to E.
 2. Channel was dry and stable at the time of the inspection.
 3. Grouted rock at SE and NE corners of bridge is undermined by about 2' at toe. See maintenance item.

Roadway/Safety:
 1. AC roadway has narrow to wide transverse, longitudinal and map cracks of moderate density and small potholes. Transitions are a little rough.
 2. Fills are in good condition.
 3. W beam guardrail is at NW and NE corners.
 4. Object markers are at NE, SW and SE corners. Markers at SW and SE corners are damaged. See Maintenance Report.
 5. "Stop" and "Pinal View Dr" signs are at SE corner.

Miscellaneous:
 1. Routine inspection done by ADOT Team 2.
 2. No previous recommended repair to verify. No new repairs. The three previous maintenance items were not completed. All the maintenance items are repeated.
 3. Due to N113 Scour Critical Rating = 3, a copy of this report will be sent to ADOT Bridge Group (Hydraulics).

Photos:
 1. Roadway ID looking West
 2. Elevation ID looking U/S (S)
 3. Deck Top
 4. Soffit
 5. Northeast slope protection undermined
 6. B/Y marker on northeast corner damaged

| Element No. | Element Description | Quantity | Units | Env. | Condition State | | | |
|-------------|---------------------|----------|-------|------|-----------------|---|---|---|
| | | | | | 1 | 2 | 3 | 4 |
| 38 | Re Concrete Slab | 777.00 | sq.ft | 2.00 | 777 | 0 | 0 | 0 |

RC Deck-Single span with AC overlay:
 1. AC overlay has few large sized longitudinal and random cracks with extensive exposed aggregates.
 2. Soffit has a few construction voids and minor hairline sized longitudinal and transverse cracks.
 3. Slab fascias have few hairline sized vertical cracks.
 4. The concrete curb has wide longitudinal cracks.
 5. The deck at the NE corner has an added deck in the shape of triangle. The addition would allow the widen the approach roadway to the right. It looks OK. (utility: gas line).

| | | | | | | | | |
|---|--------------------------------|--------|-------|------|-----|-----|---|---|
| 510 | Wearing Surfaces | 717.00 | sq.ft | 2.00 | 467 | 250 | 0 | 0 |
| 1. AC overlay has few large sized longitudinal and random cracks with extensive exposed aggregates. | | | | | | | | |
| 3210 | Del/Spall/Patch/Pot(Wear Surf) | 50.00 | sq.ft | 2.00 | 0 | 50 | 0 | 0 |
| Exposed aggregates. | | | | | | | | |
| 3220 | Crack (Wearing Surface) | 200.00 | sq.ft | 2.00 | 0 | 200 | 0 | 0 |
| 215 | Re Conc Abutment | 52.00 | ft | 2.00 | 47 | 5 | 0 | 0 |

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| Element No. | Element Description | Quantity | Units | Env. | Condition State | | | |
|--|-------------------------|----------|-------|------|-----------------|---|---|---|
| | | | | | 1 | 2 | 3 | 4 |
| RC walls on spread footings: | | | | | | | | |
| 1. Abutments have minor hairline sized vertical cracks and light to moderate water stains. North abutment has minor construction voids. | | | | | | | | |
| 2. There is undermining at the NE slope protection. See maintenance items. | | | | | | | | |
| 1130 | Cracking (RC and Other) | 5.00 | ft | 2.00 | 0 | 5 | 0 | 0 |
| 1. Abutments have minor hairline sized vertical cracks. | | | | | | | | |
| 330 | Metal Bridge Railing | 60.00 | ft | 2.00 | 55 | 5 | 0 | 0 |
| W beam guardrail mounted to curbs at both sides of bridge: | | | | | | | | |
| 1. One spacer block is missing on west rail (second post from SW corner). West rail has minor dents. End section is damaged at SE corner. See Maintenance Reports. | | | | | | | | |
| 7000 | Damage | 7.00 | ft | 2.00 | 2 | 5 | 0 | 0 |
| 1. One spacer block is missing on west rail (second post from SW corner). West rail has minor dents. End section is damaged at SE corner. | | | | | | | | |