CITY OF BROOKINGS | 2025 BRIDGE INSPECTIONS

NOVEMBER 18, 2025

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BRING YOUR DREAMS.

Bridge Inspection Overview

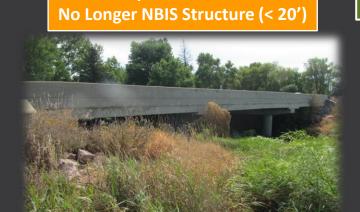
- 3 NBIS Structures Owned & Maintained by the City of Brookings
- 1 Private Structure Owned & Maintained by the City of Brookings
 - Brookings Airport Bridge
- 4 Bridge Inspections Conducted in 2025 September 3
 - 3 CDI Contract with SDDOT
- NBIS Structure constitutes any Bridge or Box Culvert > 20 ft in Length
- Bridges inspected generally every 24 Months
- Summary & Review Meeting with City of Brookings Engineering Department − 11/4/2025
- Relates to structure condition & safety features only, no drainage analysis as part of this work



3 Existing Structures & Airport Bridge Inspected in 2025



Str. No. 06-160-158
114.0' 3-Span Continuous Concrete Bridge
Built in 1988



Replaced in 2024

Str. No. 06-170-147
99.5' 3-Span Continuous Concrete Bridge
Built in 1987



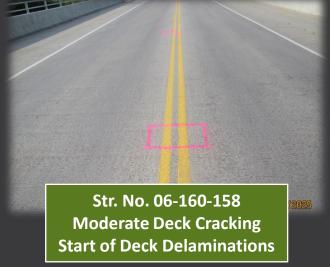
Str. No. 06-170-149
67.0' 3-Span Continuous Concrete Bridge
Built in 1968

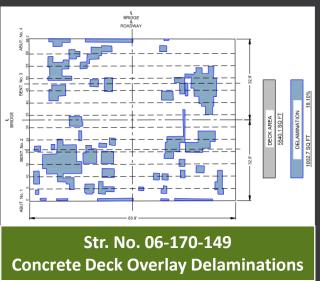


BKX Airport Bridge 134.0' 2-Span Bulb-Tee Bridge Built in 2013



3 Existing Structures & Airport Bridge Inspected in 2025





STR. NO. 06-160-158 INSPECTION TAKEAWAYS:

- Condition Rating = 6 (Fair Condition)
- Moderate Deck Cracking & a few Deck Delaminations observed
- Planning for future deck maintenance & rehabilitation.
 - No immediate concerns to travelling public.

STR. NO. 06-170-149 INSPECTION TAKEAWAYS:

- Condition Rating = 5 (Fair Condition)
- Existing Concrete Overlay is to the end of its useful life and will require removal and replacement in the future.
 - No immediate concerns to travelling public.

OVERALL TAKEAWAYS:

- All structures acceptable for legal loads.
- Future deck maintenance and rehabilitation required on 06-160-158 & 06-170-149.

Summary of Postings, Recommendations, Etc.

SUMMARY SHEETS INCLUDE THE FOLLOWING:

- Structure Number
- Feature Carried
- Feature Crossed
- Date Inspected
- Overall Condition
- Current & Recommended Posting, if any
- Repair, Rehab, Replacement Recommendations

MEETING BETWEEN CDI & ENGINEERING DEPT.

- Date: Tuesday, November 4, 2025
- Review Bridge Inspection Reports in Detail
- Go over Repair/Rehabilitation Recommendations

| | City | of | Brookings |
|--|------|----|-----------|
|--|------|----|-----------|

2025 Bridge Inspections Summary PT NBIS(45) PCN 04N9

inspections (3)

7-9 = Good Overall Condition 5-6 = Fair Overall Condition 0-4 = Poor Overall Condition Inspector of Record: Chris Brozik, PE

| Structure No. | Feature | Feature | Inspection | Overall | Current | Recommended | Recommended Repairs |
|---------------|------------------------------|-------------------------------------|------------|-------------|---------------------|-----------------------------------|--|
| 06-160-158 | Western Avenue | Crossed Sixmile Creek | 9/2/2025 | Condition 6 | Posting Not Posted | Posting No Load Posting Required | Install missing bolt connection on 2nd from end timber post on SE approach guardrail. Install epoxy crack sealant to all cracks in the top surface of the concrete deck. Repair areas of delamination in the top surface of the concrete slab. Repair minor tripping hazard in bituminous ramp at the north end of east concrete sidewalk. Remove small tree growth in front of the NW, NE, and SW wingwalls. Clean & Repaint sidewalk steel tube railings. |
| 06-170-147 | Medary Ave. (Co. Hwy. 77) | North Branch of Sixmile Creek | 9/2/2025 | 7 | Not Posted | No Load Posting Required | 1. At 45° bend just upstream of structure where erosion has occurred in area of swirling channel, improve channel bank to 2:1 and install Type B drainage fabric and quartzite riprap to help mitigate channel bank erosion. 2. Fill in scour hole in channel just east of and directly under east half of structure exposing the east column footing in the south bent and install drainage fabric and riprap to mitigate channel and localized scour. 3. Remove moderate tree and bush growth at the NW, NE, and SW corners of the structure. 4. Consider planning for future approach guardrail replacement off all four (4) corners of the structure due to collision damage and deterioration of timber posts and spacer blocks. |
| 06-170-149 | Medary Ave. (Co. Hwy. 77) | Sixmile Creek | 9/2/2025 | 5 | Not Posted | No Load Posting Required | 1. Monitor bridge concrete overlay delaminations. Consider planning for future replacement of low slump dense concrete bridge deck overlay (within next 3-5 years). 2. Repair and/or replace damaged guardrail sections, timber posts, and timber blocking. Consider complete NW & SE approach guardrail replacement with flared or tangent end terminals. 3. Repair broken welds on steel bridge railing post-to-rail connection. 4. Clean & Repaint steel bridge railing. 5. Clean and repair spalling with exposed rebar at deck drain locations on underside of concrete slab. 6. Repair undermining at south abutment backwall and install Type B drainage fabric and quartzite riprap along north and south berms and backwalls. 7. Remove trees under and around north and south spans on east and west side of the structure. 8. Monitor scour under west end of structure and in downstream channel. |







BRING YOUR DREAMS

THANK YOU

QUESTIONS?

CHRIS BROZIK, PE VICE PRESIDENT

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