

STRUCTURAL REHABILITATION CHECKLIST

Bridge No.:	A2587	Job No.:	JCD0240
Route:	H	Over:	Barnett Prong Dry Creek
County:	Dent	Date of Field Check:	11/10/2025

*** Please include photographs for all items that apply. ***

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OVERLAY

- * Type of existing overlay: ☐ None ☐ Asphalt ☐ Low Slump ☐ Silica Fume ☐ Latex ☐ Epoxy ☒ Other: Chip Seal
- * Existing overlay thickness: _____ "
- * Year overlay was applied: _____ ☒ Unknown
- * % of overlay repaired or patched: _____ %
- * Replace overlay: ☐ Yes ☐ No
- * Notes: Redeck

Picture #

2A

DECK REPAIRS (Deck repair quantities are required even if a Deck Test request has been ordered for this structure.)

- * Half-sole repairs: _____ sq. ft.
(round up to the nearest 50 sq. ft.)
- * Full-depth repairs: _____ sq. ft.
(round up to the nearest 25 sq. ft.)
- * Slab edge repairs: _____ lin. ft.
(covers the outer 4" of the

DECK REPAIRS CONT.

* ISSUES \ PROBLEMS WITH PRECAST PRESTRESSED DECK PANELS

Spans	Location in Span						Deterioration		Describe	
	At Panel Jt.	Btwn (mid) Panel Jt.	End		Mid		End	Type		Amount
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	
	☐	☐	☐	☐	☐	☐	☐		sq. ft.	

* Notes: Redeck

(Deterioration may include water saturation, efflorescence, rust staining, cracking, spalling, exposed steel, disintegration of panel edges at joints, etc. Typically observed at or near panel joints. The location and "Type" of deterioration should be recorded.)

Picture #

APPROACH SLABS

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SLAB DRAINS

* Is the drainage system working adequately? ☒ Yes ☐ No

* Recommendations: _____

* Notes: _____

Picture #

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CURBS & RAILS

* Existing curb (left side): ☐ Safety Barrier Curb ☒ Curb/parapet ☐ Blockouts ☐ Thrie Beam ☐ Baluster ☐ Steel Channel

☐ Other _____ ☐ Handrail ☐ Fence _____

* Does curb need repair ☐ Yes ☒ No

* Curb repair _____ lin. ft.

* Remove hand rail ☒ Yes ☐ No

* Add curb blockout ☐ Yes ☐ No

* Existing curb (right side): ☐ Safety Barrier Curb ☒ Curb/parapet ☐ Blockouts ☐ Thrie Beam ☐ Baluster ☐ Steel Channel

☐ Other _____ ☐ Handrail ☐ Fence _____

* Does curb need repair ☐ Yes ☒ No

* Curb repair _____ lin. ft.

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EXPANSION DEVICES

Bent	Type	Recommendations			Gap Left	Gap Right	Temperature & Other Info
		☐	☐	☐	"	"	
		☐	☐	☐	"	"	
		☐	☐	☐	"	"	
		☐	☐	☐	"	"	
		☐	☐	☐	"	"	
		☐	☐	☐	"	"	

* Notes: New expansion devices with redeck

Picture #

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BEARINGS

Bent	Coating	Recommendations				Notes (indicate which bearings at each bent)
1	☐	☐	☐	☐	☐	Integral
2	☐	☒	☐	☐	☐	
3	☐	☒	☐	☐	☐	
4	☐	☐	☐	☐	☐	Integral
	☐	☐	☐	☐	☐	
	☐	☐	☐	☐	☐	

* Notes:

SUPERSTRUCTURE REPAIRS

(Repairs needed not previously stated.)

Concrete Slab Superstructure or Girder: (above the bearings)(Example: Deck solid slabs, voided slabs, box girder,
deck girders & prestressed girders)**Steel:** (Example: Beams, stringers, girders, diaphragms, cross-frames, misc. steel)**Member** (Check all that apply) (Attach pictures)**Describe & Locate**

_____	☐ Section Loss	_____ %	☐ Cracks	_____ in.	_____
_____	☐ Section Loss	_____ %	☐ Cracks	_____ in.	_____
_____	☐ Section Loss	_____ %	☐ Cracks	_____ in.	_____
_____	☐ Section Loss	_____ %	☐ Cracks	_____ in.	_____

Notes: Light rust on top flange and ends of girders.

Picture #

SUBSTRUCTURE REPAIR

Bent	Formed Repair	Unformed Repair	Seal Concrete Beam Cap Bts.	Coat Exposed Pile @ Int. Pile Cap Bts.	Describe (Beam, Backwall, Wing, etc.)
<u>1</u>	_____ sq. ft.	<u>30</u> sq. ft.	☒ Yes ☐ No	☐ Yes ☐ No	<u>Cap and Diaphragm</u>
<u>2</u>	_____ sq. ft.	_____ sq. ft.	☐ Yes ☐ No	☒	

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CATHODIC PROTECTION SYSTEM

* Is there a cathodic system on this structure? ☐ Yes ☒ No ☐ Remove ☐ Do not alter ☐ Abandon in place (grooved system)

* Is it on and working? ☒ Yes ☐ No ☐ Unknown _____

* Notes: _____

Picture #

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CHANNEL ALIGNMENT, SLOPE PROTECTION & SCOUR

* Is channel aligned to bridge opening? ☒ Yes ☐ No Describe _____

* Is drift a continual problem? ☐ Yes ☒ No Describe & Locate _____

* Is erosion a problem? ☐ Yes ☒ No Describe & Locate _____

* Describe slope protection in place. Rocks covered with concrete

* Scour	<u>At Footing</u>	<u>At Piling</u>	<u>Depth</u>	<u>Bent</u>	<u>Recommendation</u>
	☐	☐	_____	_____	_____
	☐	☐	_____	_____	_____

* Describe needed work. _____

Picture #

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TRAFFIC LANES

* Number of lanes striped: on structure 2 under structure 0

* Shoulder width: ☐ None on structure 4' 4' under structure _____

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GENERAL AREA CONDITIONS

* **Primary area:** ☐ Commercial ☐ Industrial ☐ Residential ☒ Agricultural ☐ Military ☐ Other _____

* **Posted speed limit on structure:** 55 mph

* **Posted load on structure:** _____ tons @ _____ mph ☒ NA

Single Unit: _____ tons @ _____ mph ☒ NA

Semi (tractor/trailer): _____ tons @ _____ mph ☒ NA

* **Are both signs in place?**

☐ Yes ☐ No

* **Do pedestrians and/or bicyclists regularly use this structure?** ☐ Yes ☒ No ☐ Undetermined

* **Notes:** _____

Picture #

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MAINTENANCE

* **What work has been done to this structure that may not be reflected on existing bridge plans?** _____

2019 - Seal Deck with InDeck

2017 - Repair Concrete >50SF Deck

2012 - Repair and paint H-Pile

2006 - Repair Concrete >50SF Deck</

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STAGING / DETOUR

* **Traffic Control:** ☒ Close structure ☐ Stage construction on structure ☐ Cross over traffic to adjacent structure ☐ Detour

☐ Other option _____

* Define probable detour route. _____

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PERSONS ASSISTING WITH CHECKLIST

Name	<u>Derek Lepper</u>	Title	<u>District Bridge Engineer</u>	Ph.	<u>(573) 418 - 9071</u>
Name	<u>Mia Peters</u>	Title	<u>Engineering Professional - TPT</u>	Ph.	<u>(660) 281 - 1295</u>
Name	<u>Hawa Faleh</u>	Title	<u>Intermediate Highway Designer</u>	Ph.	<u>(573) 751 - 5754</u>
Name	<u>Ted Koestner</u>	Title	<u>Structural Project Manager</u>	Ph.	<u>(573) 751 - 4229</u>
Name	_____	Title	_____	Ph.	<u>() -</u>

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REQUIRED SIGNATURES

I have reviewed the information on this checklist and believe it to be as accurate as possible.

Name	<u>Maria Peters</u>	Date	<u>8/18/2026</u>
	<i>Transportation Project Manager</i>		
Name	<u>Derek Lepper</u>		

Maintained by County: DENT

Class: STBR

Facility Carried: RT H E

Bridge Status: OPEN-NORST

Federal ID (L.01): 2236

Bridge #: A2587

Maintained by District: CD

Compass Direction: WEST TO EAST

Feature Intersected: BARNITZPRONG DRYFK

Alias:

Year Built (W.01): 1970

Rehab #:

CLEARANCE RECORDS FOR RAILROADS BELOW BRIDGE					
Feature (F.01)	Feature Classification	Feature Name	Railroad Service Type (RR.01)	Railroad Minimum Vertical Clearance (RR.02)	Railroad Minimum Horizontal Offset (RR.03)

NAVIGABLE WATERWAY INFORMATION							
Feature (F.01)	Navigable Waterway (N.01)	Feature Name	Nav Min Vertical Clearance (N.02)	Movable Bridge Max Vertical Clearance (N.03)	Nav Channel Width (N.04)	Nav Channel Min Horizontal Clearance (N.05)	Substructure Nav Protection (N.06)

Maintained by County: DENTClass: STBRFacility Carried: RT H EBridge Status: OPEN-NORSTFederal ID (L.01): 2236Bridge #: A2587

Maintained by District: CDCompass Direction: WEST TO EASTFeature Intersected: BARNITZPRONG DRYFKAlias:Year Built (W.01): 1970Rehab #:

ASSOCIATED SUBSTRUCTURE COMPONENTS			
Associated Substructure: ABUTMENT 1 Component Type: BEAM CAP		Material: REINFORCED CONCRETE Construction: CAST-IN-PLACE	Overall Condition: Component Comment:
Condition Comment: FEW-VERTCRACKS-THROUGHOUT__02/24/03, WILSOJ --(BMSCONV, 01/09/2026)			
Associated Substructure: ABUTMENT 1 Component Type: TURNED BACK WINGS		Material: REINFORCED CONCRETE Construction: CAST-IN-PLACE	Overall Condition: Component Comment:
Condition Comment:			
Associated Substructure: ABUTMENT 1 Component Type: PILING		Material: STEEL Construction: H-SHAPE	Overall Condition: Component Comment:
Condition Comment:			

Maintained by County:	DENT	Class:	STBR	Facility Carried:	RT H E	Bridge Status:	OPEN-NORST	Federal ID (L.01):	2236	Bridge #:	A2587
Maintained by District:	CD	Compass Direction:	WEST TO EAST	Feature Intersected:	BARNITZPRONG DRYFK	Alias:		Year Built (W.01):	1970	Rehab #:	
BANK PROTECTION AND SLOPE PROTECTION COMPONENTS											
Associated Span:		Material:		Overall Condition:		Component Comment:					
Component Type:		Construction:		Direction:							
Condition Comment:											

SUBSTRUCTURE COMPONENTS											
Associated Span:		Component Type:		Related Substructure:		Sub Protective System:					
Substructure Order:		Material:		Skew:		Foundation Support:					
Label:		Construction:		Skew Direction:		Foundation Protective System:					
Substructure Component Comment:											
Condition Comment:											

