



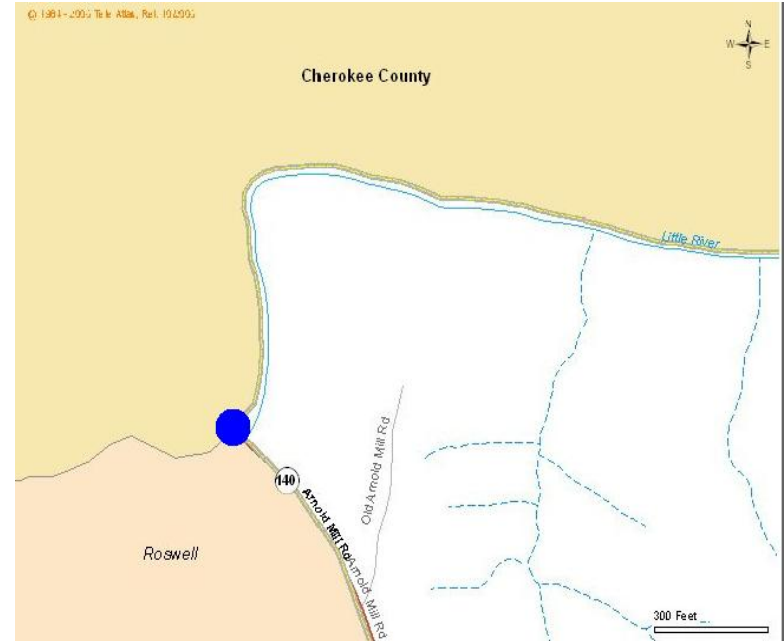
# Arnold Mill Rd (SR 140) Over Little River

Bridge ID 057-0029-0

## General

**Road:** Arnold Mill Rd (SR 140)  
**Over:** Little River  
**Between:** Old Arnold Mill Rd  
 And Hickory Flat Hwy  
**Structure Type:** Simply Supported Steel Girder  
**Year Built:** 1952  
**Length:** 284 FT  
**Width:** 32.1 FT  
**Span:** 5 Spans  
**Deck:** Cast-in-place Concrete w/Asphalt W.S.  
**Superstructure:** 5 - Steel Girders  
**Substructure:** Concrete Cap and Column  
**Vehicle Protection:** Concrete Railing  
**Paint System:** Lead Chromate Oil Alkyd System  
**Posted Load Limits:** NO  
**Bus Route:** NO  
**Sufficiency Rating:** 39.45  
**Utilities:** Gas  
**Date of Inspection:** 6/2/2008

## Location Map:



## Narrative Description

This state-owned structure is located on the Fulton-Cherokee County line.

## Summary of Findings

Repair Recommendations:  
N/A

Repair/Replacement Priority: GDOT Maintenance  
 Estimated Cost for Repairs: N/A



Photos



057-0029-0 – Roadway North View



057-0029-0 – Bridge superstructure from below



057-0029-0 – Bridge substructure



057-0029-0 – Guardrail damage Southwest Corner



057-0029-0 – Spalling on deck from below



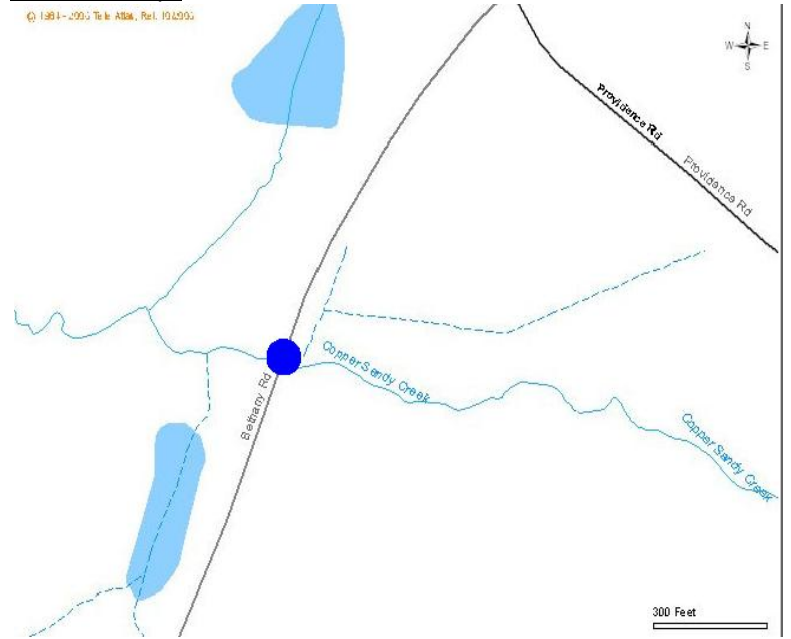
# Bethany Rd (CS 1324) Over Cooper Sandy Creek

Bridge ID 121-0281-0

## General

Road: Bethany Rd (CS 1324)  
Over: Cooper Sandy Creek  
Between Sulky Way  
 And Providence Rd  
Structure Type: Precast Concrete  
Year Built: 1951  
Length: 60 FT  
Width: 24.1 FT  
Span: 2 Spans  
Deck: Precast Panels w/Asphalt W.S.  
Superstructure: 7 - Double Tee Precast Panels  
Substructure: Steel/Timber Pile Bents  
Vehicle Protection: W-beam Guardrail  
Paint System: None  
Posted Load Limits: NO  
Bus Route: YES  
Sufficiency Rating: 27.7  
Utilities: Gas and Telephone  
Date of Inspection: 1/13/2009

## Location Map:



## Narrative Description

This structure is in poor condition with corrosion of the steel substructure components. Spalls on the bottom of the beams have exposed portions of the reinforcement steel.

## Summary of Findings

**Repair Recommendations:**  
 The steel piles in the stream channel should be cleaned and painted. Furthermore, these piles should be protected with reinforced concrete encasements extending from points 2 feet below the mud line to a point 2 feet above normal water. Exposed reinforcement on beams should be cleaned and covered to protect it from corrosion. Asphalt W.S. should be patched and sealed. Remove dirt/vegetation from both gutterlines.

**Repair/Replacement Priority:** High  
**Estimated Cost for Repairs:** \$25,000



Photos



121-0281-0 – Roadway South View



121-0281-0 – Elevation East View



121-0281-0 – Substructure repairs in place



# Hopewell Rd (CR 1323) Over Chicken Creek Tributary

Bridge ID 121-0282-0

## General

**Road:** Hopewell Rd (CR 1323)

**Over:** Chicken Creek Tributary

**Between:** N Field Pass  
And Champions Close

**Structure Type:** Concrete Box Culvert

**Year Built:** 1995

**Length:** 27 FT

**Width:**

**Span:** 2 Spans

**Deck:** N/A

**Superstructure:** Double 8 FT x 8 FT Box Culvert

**Substructure:** N/A

**Vehicle Protection:** None

**Paint System:** N/A

**Posted Load Limits:** NO

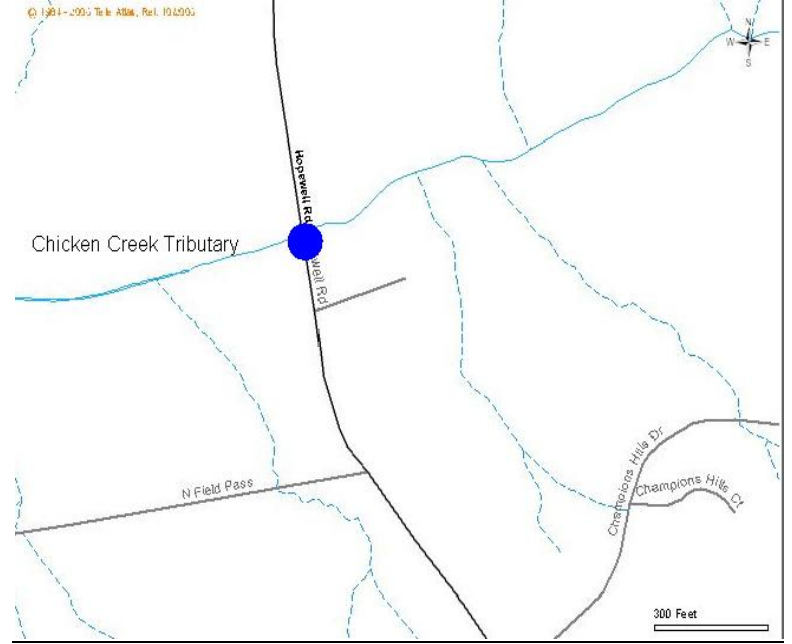
**Bus Route:** YES

**Sufficiency Rating:** 99.07

**Utilities:** N/A

**Date of Inspection:** 11/19/2008

## Location Map:



## Narrative Description

The bridge culvert is in good condition but has approximately 0.5 feet of scour damage at the inlet end of barrels #2 and #3.

## Summary of Findings

Repair Recommendations:  
Scour damage should be monitored for further signs of degradation.

Repair/Replacement Priority: Low  
Estimated Cost for Repairs: \$-



Photos



121-0282-0 – Roadway North View



121-0282-0 – Elevation East View



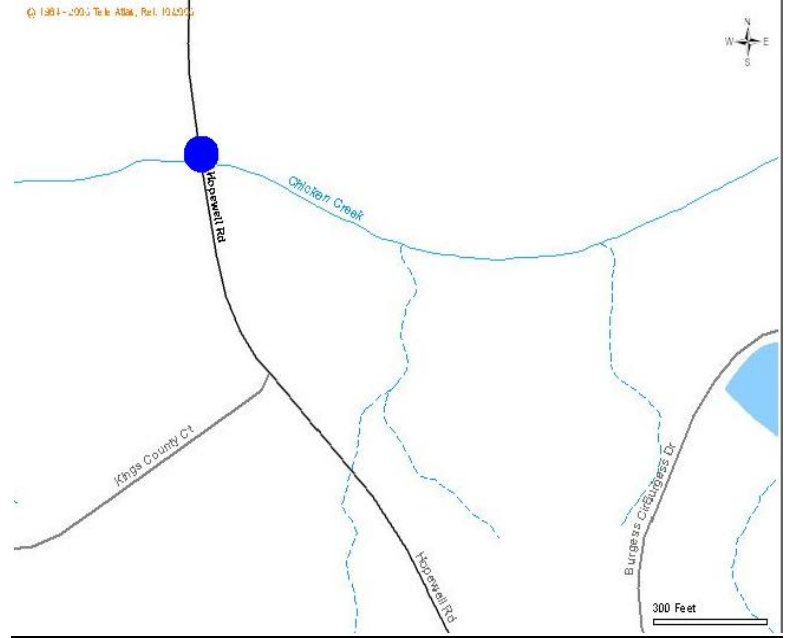
# Hopewell Rd (CR 1323) Over Chicken Creek

Bridge ID 121-0283-0

## General

**Road:** Hopewell Rd (CR 1323)  
**Over:** Chicken Creek  
**Between:** Kings Country Ct  
 And Fossil Trce  
**Structure Type:** Simply Supported Steel Beam  
**Year Built:** 1948  
**Length:** 41 FT  
**Width:** 27.7 FT  
**Span:** 1 Span  
**Deck:** Cast-in-place Concrete w/Asphalt W.S.  
**Superstructure:** Steel Beams  
**Substructure:** Masonry Gravity Wall  
**Vehicle Protection:** Concrete Railing  
**Paint System:** Lead Chromate Oil Alkyd System  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 59.75  
**Utilities:** Gas and Water  
**Date of Inspection:** 11/19/2008

## Location Map:



## Narrative Description

This structure is posted for 20 Tons H-Truck; 19 Tons Type 3 Truck and 28 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5 inch asphalt overlay. Upgrading the load carrying capacity to a point where posting is not required would require removal of this overlay. This bridge structure is in good condition but has corrosion of the steel superstructure. .

## Summary of Findings

**Repair Recommendations:**  
 The beams throughout the structure should be cleaned and painted. The beaver dam located near the structure should be removed to prevent further accumulation of debris and reduce the possibility of scour

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$10,000



Photos



121-0283-0 – Roadway North View



121-0283-0 – Water main attachment



121-0283-0 – Posted Limit





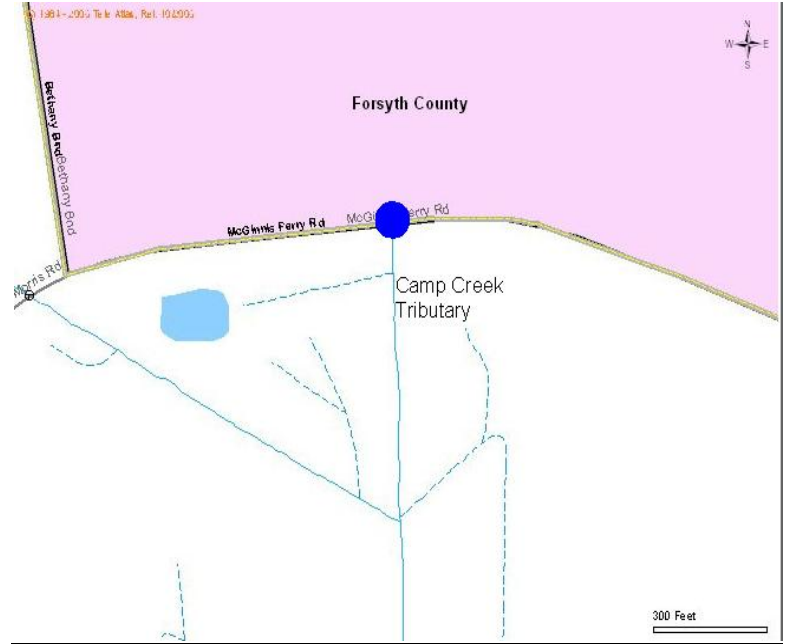
# McGinnis Ferry Rd (CR 41) Over Camp Creek Tributary

Bridge ID 121-0284-0

## General

**Road:** McGinnis Ferry Rd (CR 41)  
**Over:** Camp Creek Tributary  
**Between:** Bethany Rd  
 And Whittington Way  
**Structure Type:** Precast Concrete  
**Year Built:** 1954  
**Length:** 60 FT  
**Width:** 24.2 FT  
**Span:** 2 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 77.22  
**Utilities:** Telephone  
**Date of Inspection:** 11/4/2008

## Location Map:



## Narrative Description

This bridge is located on the Fulton-Forsyth County line and is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 24 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 3.5 inch asphalt overlay. Upgrading the load carrying capacity to a point where posting is not required would require removal of this overlay. The bridge is in fair condition due to condition of beam panels, steel substructure piles and asphalt W.S. The eastern weight limit sign not present and approx. 15 feet of guardrail is missing due to accident on northeast corner.

## Summary of Findings

**Repair Recommendations:**  
 The steel piles throughout the structure should be cleaned and painted. The asphalt W.S. should be patched and sealed throughout. The spalled concrete/exposed reinforcing on beam panels should be cleaned and patched throughout. Vegetation growing in the vicinity of the structure should be cut and removed. Replace missing guardrail and weight limit posting sign at east end of bridge.

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$15,000



Photos



121-0284-0 – Roadway East View



121-0284-0 – Posted Limit



121-0284-0 – Damaged guardrail



121-0284-0 – Significant spalling



121-0284-0 – Asphalt damage



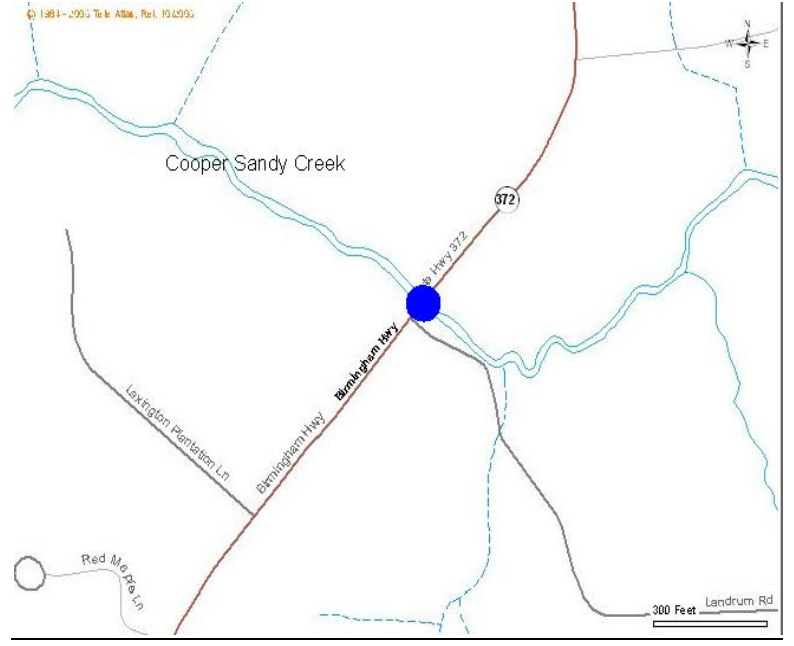
# Birmingham Hwy (SR 372) Over Cooper Sandy Creek

Bridge ID 121-0697-0

## General

**Road:** Birmingham Hwy (SR 372)  
**Over:** Cooper Sandy Creek  
**Between:** Landrum Rd  
 And Tramore Pl  
**Structure Type:** Concrete Box Culvert  
**Year Built:** 1989  
**Length:** 29 FT  
**Width:**  
**Span:** 3 Spans  
**Deck:** N/A  
**Superstructure:** Triple 9 FT x 9 FT Box Culvert  
**Substructure:** N/A  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 98.72  
**Utilities:** N/A  
**Date of Inspection:** 11/19/2008

## Location Map:



## Narrative Description

This state-owned triple cell reinforced concrete box culvert is in good condition.

## Summary of Findings

Repair Recommendations:  
N/A

Repair/Replacement Priority: GDOT Maintenance  
 Estimated Cost for Repairs: N/A



Photos



121-0697-0 – Roadway North View



121-0697-0 – Elevation West View



# Birmingham Hwy (SR 372) Over Chicken Creek Tributary

Bridge ID 121-0698-0

## General

**Road:** Birmingham Hwy (SR 372)

**Over:** Chicken Creek Tributary

**Between:** Batesville Rd

And Richmond Glen Dr

**Structure Type:** Precast Concrete

**Year Built:** 1989

**Length:** 120 FT

**Width:** 47.2 FT

**Span:** 3 Spans

**Deck:** Precast Deck Panels

**Superstructure:** 6- Precast Stems

**Substructure:** Steel Pile Bents

**Vehicle Protection:** Concrete Jersey Barrier

**Paint System:** Epoxy Mastic

**Posted Load Limits:** NO

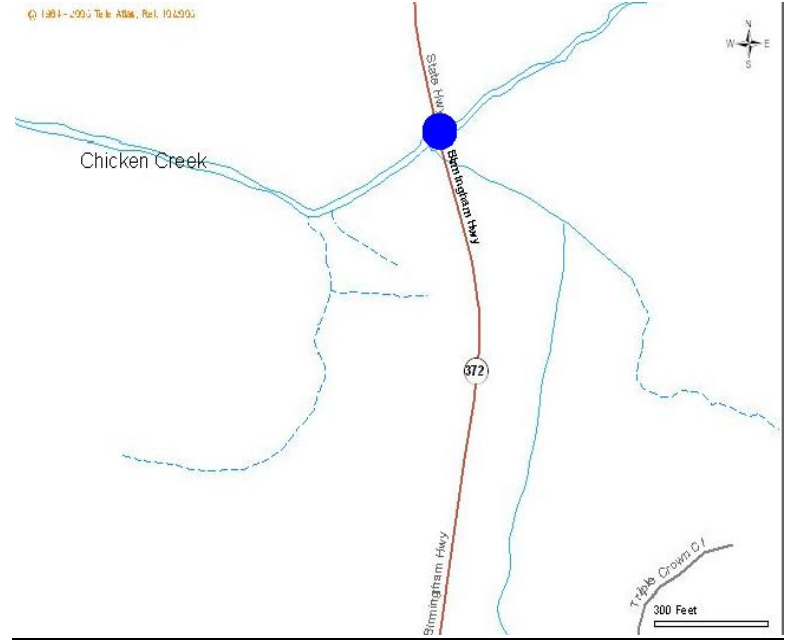
**Bus Route:** YES

**Sufficiency Rating:** 74.82

**Utilities:** N/A

**Date of Inspection:** 11/19/2008

## Location Map:



## Narrative Description

This state-owned three span precast beam bridge is supported by steel H-pile intermediate bents.

## Summary of Findings

Repair Recommendations:  
N/A

Repair/Replacement Priority: GDOT Maintenance  
Estimated Cost for Repairs: N/A



Photos



121-0698-0 – Roadway North View



121-0698-0 – Elevation West View



121-0698-0 – Underside View



121-0698-0 – Epoxy Mastic peeling off



121-0698-0 – Bridge Substructure



# Clarity Rd (CR 3) Over Little River

Bridge ID 121-5002-0

## General

**Road:** Clarity Rd (CR 3)  
**Over:** Little River  
**Between:** Hickory Flat Rd  
 And Melt Anderson Rd  
**Structure Type:** Simply Supported Steel Beam  
**Year Built:** 1954  
**Length:** 48 FT  
**Width:** 14.9 FT  
**Span:** 1 Span  
**Deck:** Timber Decking w/Timber Runners  
**Superstructure:** Steel Beams  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** Metal Railing and Timber Fencing  
**Paint System:** Non-Lead Oil Alkyd System (System IV)  
**Posted Load Limits:** YES  
**Bus Route:** NO  
**Sufficiency Rating:** 27.78  
**Utilities:** N/A  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This single-lane structure is located on the Fulton-Cherokee County line and is posted for 6 Tons due to the low original design capacity of the structure. A replacement structure is required to upgrade this structure to a point where posting is no longer required. If the timber runners were re-positioned directly above the beams, this bridge could be upgraded to a 9 ton capacity. This bridge is in fair condition. Fencing at the SE corner is badly damaged (vehicle impact?) and first interior post on east side is loose. At SW corner railing post, screws are loose at base. Minor erosion evident around both corners at north end backwalls of bridge.

## Summary of Findings

**Repair Recommendations:**  
 The posting sign on the northern end of the structure is missing. This sign is required and must be replaced. Repair or replace metal rail and timber railing system with W-beam guardrail. Install advance signage warning of single lane bridge ahead and load limited bridge ahead. Future recommendation is to replace bridge and realign south approach to eliminate 90 degree bend.

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$3,500



Photos



121-5002-0 – Roadway South View



121-5002-0 – Elevation West View



121-5002-0 – Damaged Fence South East Corner





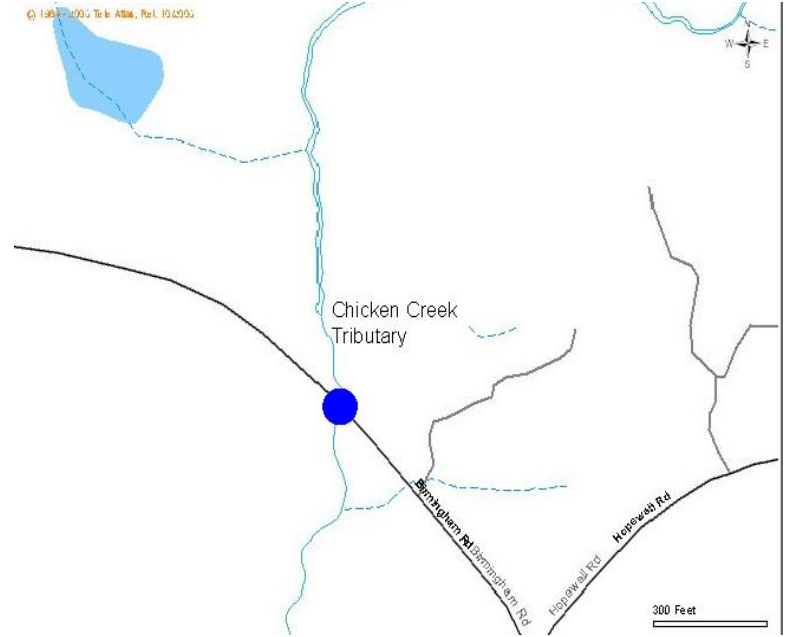
# Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID 121-5003-0

## General

**Road:** Birmingham Rd (CR 4)  
**Over:** Chicken Creek Tributary  
**Between:** Hopewell Rd  
 And Henderson Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1961  
**Length:** 30 FT  
**Width:** 24.2 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Steel/Timber Soldier Piles w/Timber Lagging  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** None  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 36.95  
**Utilities:** Gas and Water  
**Date of Inspection:** 1/9/2009

## Location Map:



## Narrative Description

This structure is posted for 10 Tons H-Truck; 10 Tons Type 3 Truck; 13 Tons Timber Truck; 13 Tons HS Truck and 16 Tons Type 3S2 truck. This structure is posted due to the concrete deck slabs not being properly bolted together. This bridge structure is in satisfactory condition with corrosion of the steel substructure units. The pre-cast concrete superstructure panels have areas of spalls with exposed reinforced steel on the underside of the deck.

## Summary of Findings

**Repair Recommendations:**  
 The steel piles throughout the structures should be cleaned and painted. Furthermore, these piles should be protected with reinforced concrete encasements extending from points 2 feet below the mud line to a point 2 feet above normal water. The exposed reinforcement steel on the beams should be cleaned and sealed to protect it from corrosion. If the deck slab units are properly bolted together, then this structure could be significantly upgraded.

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$25,000



Photos



121-5003-0 – Roadway West View



121-5003-0 – Elevation South View



121-5003-0 – Posted Limit



121-5003-0 – Crack between panel and asphalt



121-5003-0 – Post missing on NE corner



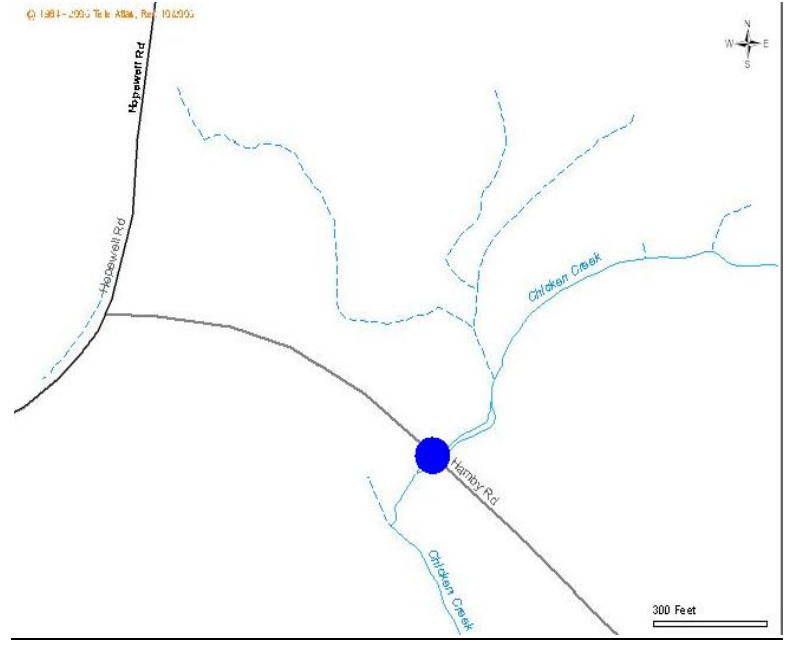
# Hamby Rd (CR 12) Over Chicken Creek Tributary

Bridge ID 121-5004-0

## General

**Road:** Hamby Rd (CR 12)  
**Over:** Chicken Creek Tributary  
**Between:** Watsons Bend  
 And Hopewell Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1964  
**Length:** 60 FT  
**Width:** 24.2 FT  
**Span:** 2 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8- Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 61.25  
**Utilities:** N/A  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This structure is posted for 19 Tons H-Truck; 19 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of this overlay. This bridge structure is in satisfactory condition with no other reported deficiencies except isolated exposed and corroded rebar on underside.

## Summary of Findings

Repair Recommendations: Clean and cover exposed reinforcing steel on underside.	Repair/Replacement Priority: Low Estimated Cost for Repairs: \$2,500
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Photos



121-5004-0 – Roadway West View



121-5004-0 – Posted Limit



121-5004-0 – Underside Structure View



121-5004-0 – Minor spalling with previous patching



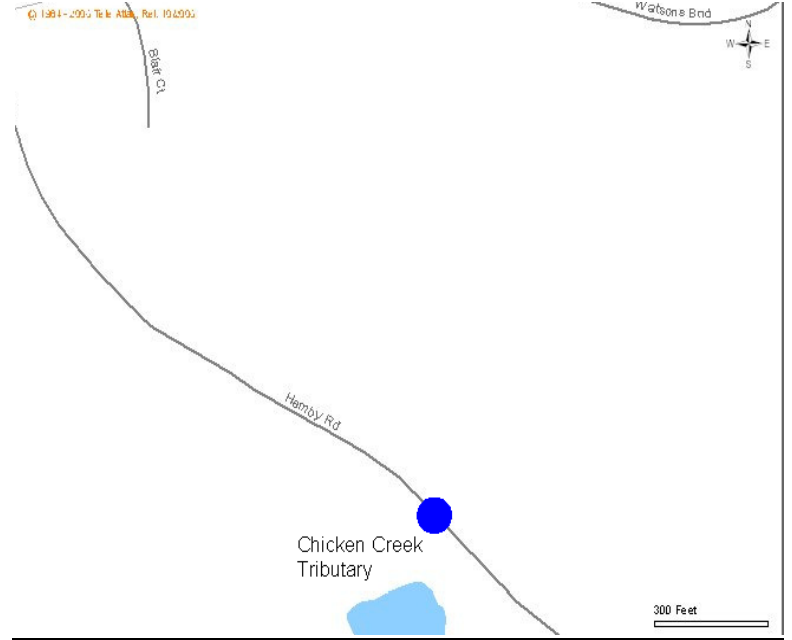
# Hamby Rd (CR 12) Over Chicken Creek Tributary

Bridge ID 121-5005-0

## General

**Road:** Hamby Rd (CR 12)  
**Over:** Chicken Creek Tributary  
**Between:** Oakside Dr  
 And Watsons Bend  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1966  
**Length:** 30 FT  
**Width:** 24.2 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell pile bents  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** None  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 61.25  
**Utilities:** N/A  
**Date of Inspection:** 1/8/2009

## Location Map:



## Narrative Description

This structure is posted for 18 Tons H-Truck; 18 Tons Type 3 Truck and 23 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of the asphalt overlay. This bridge structure is in satisfactory condition with the exception of the substructure which is in fair condition. The foundation piles beneath both abutments are exposed.

## Summary of Findings

**Repair Recommendations:**  
 The exposed foundation piles at the end bents should be cleaned, painted and covered to protect them from corrosion.

**Repair/Replacement Priority:** Low  
**Estimated Cost for Repairs:** \$3,500



Photos



121-5005-0 – Roadway SE View



121-5005-0 – Posted Limit



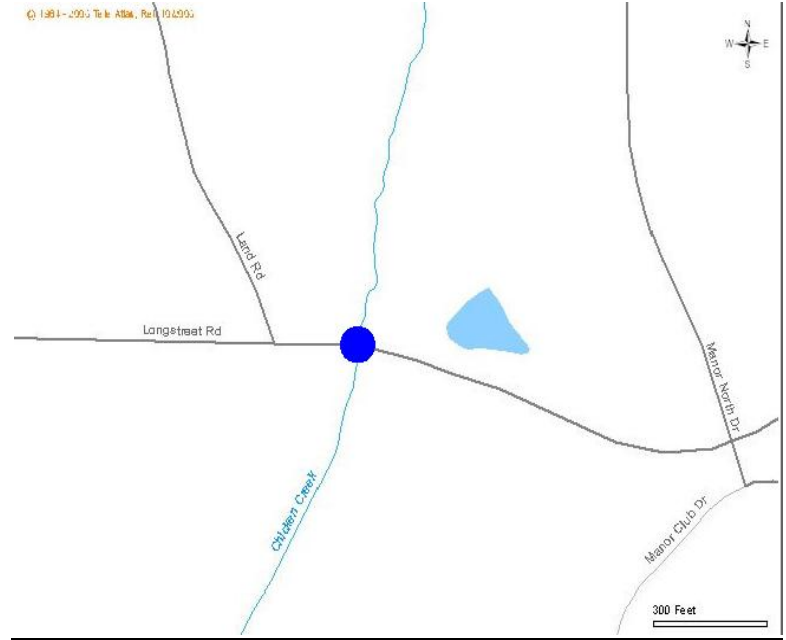
# Longstreet Rd (CR 13) Over Chicken Creek Tributary

Bridge ID 121-5006-0

## General

**Road:** Longstreet Rd (CR 13)  
**Over:** Chicken Creek Tributary  
**Between:** Land Rd  
 And Wills Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1964  
**Length:** 90 FT  
**Width:** 24.2 FT  
**Span:** 3 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell pile bents  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 62.81  
**Utilities:** Telephone  
**Date of Inspection:** 1/8/2009

## Location Map:



## Narrative Description

This bridge structure is in good condition with no reported structural deficiencies.

## Summary of Findings

Repair Recommendations:  
 Intermediate bent piling should be protected with reinforced concrete encasements extending from 2 feet below mud line to 2 feet above normal water elevation.

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$5,000



Photos



121-5006-0 – Roadway West View



121-5006-0 – Underside Structure View



121-5006-0 – Substructure View





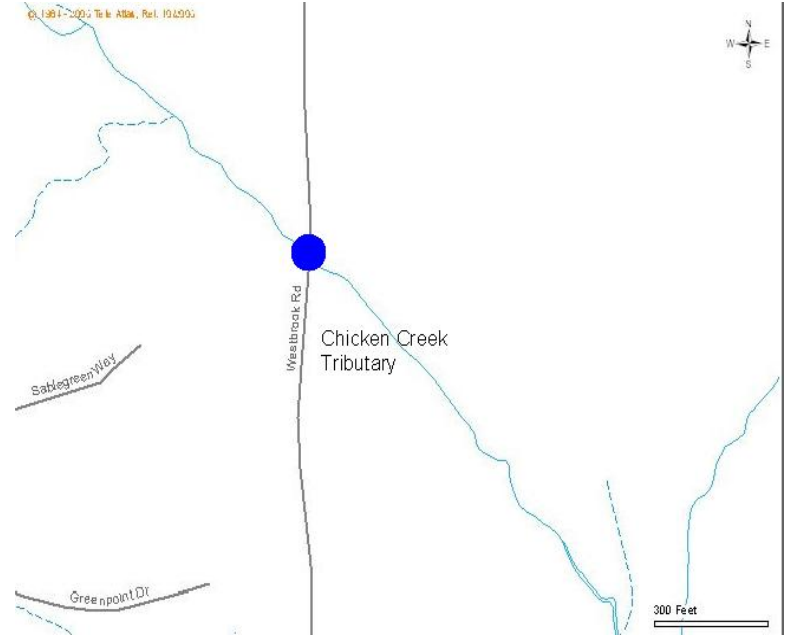
# Westbrook Rd (CR 18) Over Chicken Creek Tributary

Bridge ID 121-5007-0

## General

**Road:** Westbrook Rd (CR 18)  
**Over:** Chicken Creek Tributary  
**Between:** Hopewell Rd  
 And Mountain Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1956  
**Length:** 30 FT  
**Width:** 18.2 FT  
**Span:** 1 Span  
**Deck:** Precast Concrete Panels  
**Superstructure:** 6 - Double Tee Precast Panels  
**Substructure:** Masonry Gravity Wall  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** N/A  
**Posted Load Limits:** YES\*  
**Bus Route:** YES  
**Sufficiency Rating:** 63.28  
**Utilities:** N/A  
**Date of Inspection:** 1/8/2009

## Location Map:



## Narrative Description

\* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge is in good condition with no serious reported structural defects.

## Summary of Findings

Repair Recommendations:  
 Install advance signage for single lane bridge ahead.  
 Repair settled approach roadway (gravel road).

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$1,500



Photos



121-5007-0 – Roadway South View



121-5007-0 – Elevation East View



121-5007-0 – Posted Limit



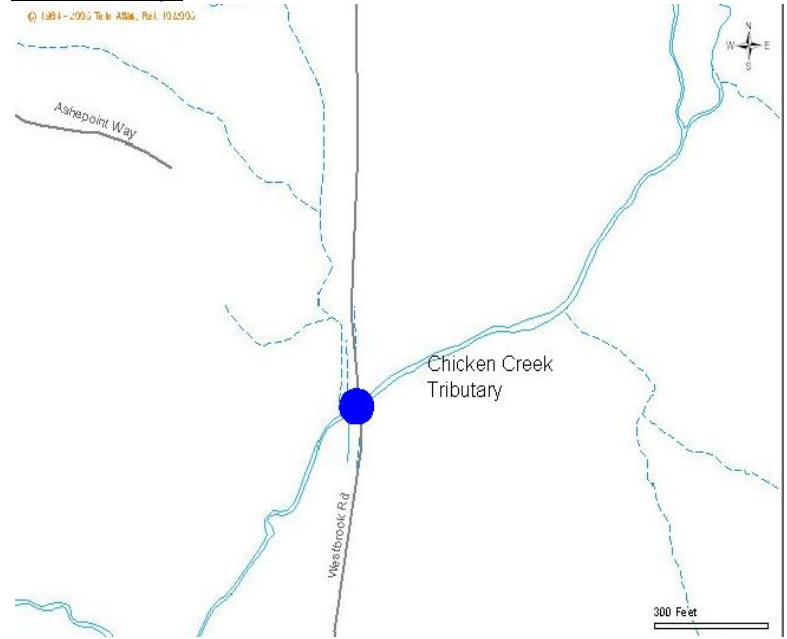
# Westbrook Rd (CR 18) Over Chicken Creek Tributary

Bridge ID 121-5008-0

## General

**Road:** Westbrook Rd (CR 18)  
**Over:** Chicken Creek Tributary  
**Between:** Hopewell Rd  
 And Mountain Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1956  
**Length:** 30 FT  
**Width:** 18.2 FT  
**Span:** 1 Span  
**Deck:** Precast Concrete Panels  
**Superstructure:** 6 - Double Tee Precast Panels  
**Substructure:** Concrete Gravity Wall  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** N/A  
**Posted Load Limits:** YES\*  
**Bus Route:** YES  
**Sufficiency Rating:** 53.11  
**Utilities:** N/A  
**Date of Inspection:** 1/8/2009

## Location Map:



## Narrative Description

\* load limit sign not required and may be removed per GDOT inspection. This single-lane bridge structure is in fair condition. Minor cracking and spalls on the bottom of several superstructure panels have exposed the reinforcement steel.

## Summary of Findings

Repair Recommendations:  
 Install advance signage for single lane bridge ahead.  
 The concrete spalls on the underside of the panels should be repaired to protect the reinforcement steel from corrosion.

Repair/Replacement Priority: Medium  
 Estimated Cost for Repairs: \$3,500



Photos



121-5008-0 – Roadway South View



121-5008-0 – Underside Structure View



121-5008-0 – Posted Limit



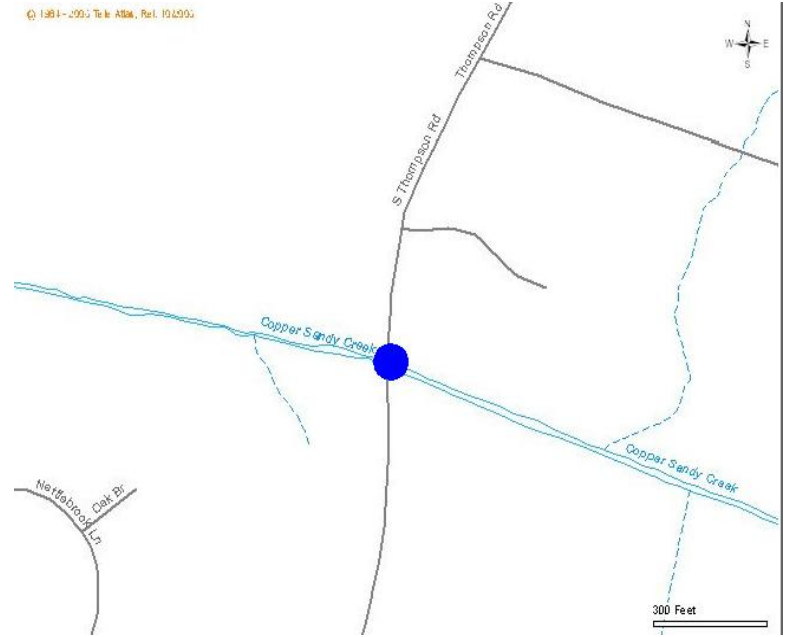
# Thompson Rd (CR 19) Over Chicken Creek Tributary

Bridge ID 121-5009-0

## General

**Road:** Thompson Rd (CR 19)  
**Over:** Chicken Creek Tributary  
**Between:** Nettlebrook Way  
 And N Christophers Run  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1962  
**Length:** 90 FT  
**Width:** 24.2 FT  
**Span:** 3 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell pile bents  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 65.23  
**Utilities:** Water and Telephone  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This structure is in satisfactory condition. There is moderate concrete spalling scattered throughout the precast beam members resulting in exposed and corroded reinforcing steel. Inadequate patching has failed in several locations. The asphalt wearing surface has significant cracking along bridge end joints and along beam joints.

## Summary of Findings

Repair Recommendations:  
 Asphalt wearing surface needs to be patched and sealed. Spalling of precast beams needs to be patched, exposed reinforcement needs to be cleaned prior to patching concrete.

Repair/Replacement Priority: Medium  
 Estimated Cost for Repairs: \$5,000



Photos



121-5009-0 – Roadway South View



121-5009-0 – Elevation West View



121-5009-0 – Underside Structure View



121-5009-0 – Asphalt Damage



121-5009-0 – Main bars exposed due to spalling



# Dinsmore Rd (CR 20) Over Chicken Creek

Bridge ID 121-5010-0

## General

**Road:** Dinsmore Rd (CR 20)  
**Over:** Chicken Creek  
**Between:** N Valleyfield Rd  
 And Highgrove Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1965  
**Length:** 60 FT  
**Width:** 36.5 FT  
**Span:** 2 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 12- Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell pile bent  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** YES\*  
**Bus Route:** YES  
**Sufficiency Rating:** 82.13  
**Utilities:** Gas and Water  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

\* load limit sign not required and may be removed per GDOT inspection. The bridge structure is in satisfactory condition with drift accumulated at bent #2.

## Summary of Findings

Repair Recommendations:  
 Drift accumulation at Bent 2 should be removed to reduce further accumulation and the possibility of scour.

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$1,000



Photos



121-5010-0 – Roadway West View



121-5010-0 – Elevation South View



121-5010-0 – Posted Limit



121-5010-0 – Substantial debris on creek channel





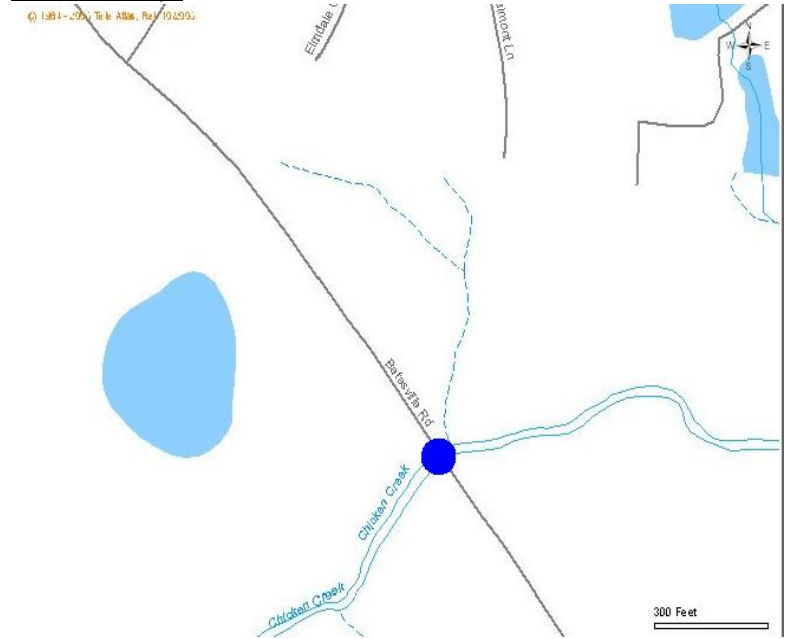
# Batesville Rd (CR 23) Over Chicken Creek

Bridge ID 121-5011-0

## General

**Road:** Batesville Rd (CR 23)  
**Over:** Chicken Creek  
**Between:** Birmingham Hwy  
 And Taylor Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1962  
**Length:** 60 FT  
**Width:** 24.2 FT  
**Span:** 2 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 9 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** None  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 63.03  
**Utilities:** Gas and Telephone  
**Date of Inspection:** 2/11/2009

## Location Map:



## Narrative Description

This bridge structure is in satisfactory condition with undermining of the concrete encasements at piles #1 and #3 at bent 2.

## Summary of Findings

Repair Recommendations:  
 The concrete pile encasements at Bent 2 should be extended to a point 2 feet below the mud line.

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$5,000



Photos



121-5011-0 – Roadway NW View



121-5011-0 – Underside Structure View



# Batesville Rd (CR 23) Over Little River

Bridge ID 121-5012-0

## General

Road: Batesville Rd (CR 23)  
Over: Little River  
Between: Taylor Rd  
 And The Fairway  
Structure Type: Precast Concrete Panels  
Year Built: 1964  
Length: 120 FT  
Width: 27.6 FT  
Span: 4 Spans  
Deck: Precast Panels w/Asphalt W.S.  
Superstructure: 9 - Double Tee Precast Panels  
Substructure: Concrete filled steel shell pile bents  
Vehicle Protection: W-beam Guardrail  
Paint System: None  
Posted Load Limits: YES\*  
Bus Route: NO  
Sufficiency Rating: 60.25  
Utilities: Telephone  
Date of Inspection: 2/11/2009

## Location Map:



## Narrative Description

\* load limit sign present on north end of bridge only but may be removed per GDOT inspection. This bridge structure is located on the Fulton-Cherokee County line and is in satisfactory condition with spalling of the concrete superstructure. Beam #1 in Span#1 is spalled rear of bent#2.

## Summary of Findings

Repair Recommendations:  
The concrete spalls on Beam 1 in the superstructure should be sealed.

Repair/Replacement Priority: Low  
Estimated Cost for Repairs: \$1,500



Photos



121-5012-0 – Roadway SE View



121-5012-0 – Elevation View



121-5012-0 – Posted Limit



121-5012-0 – Underside Structure View



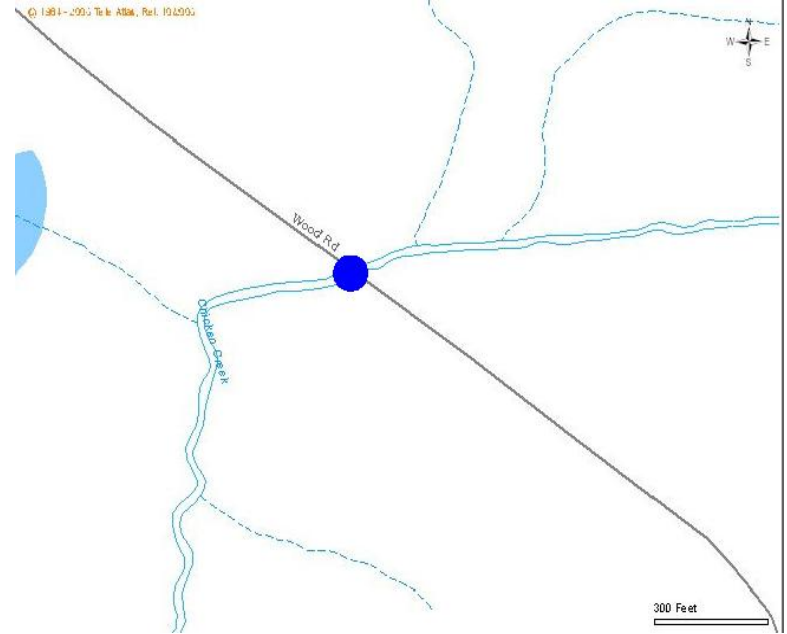
# Wood Rd (CR 24) Over Chicken Creek

Bridge ID 121-5013-0

## General

Road: Wood Rd (CR 24)  
Over: Chicken Creek  
Between: Phillips Rd  
 And Birmingham Hwy  
Structure Type: Precast Concrete Panels  
Year Built: 1961  
Length: 120 FT  
Width: 24.7 FT  
Span: 4 Spans  
Deck: Precast Concrete Panels  
Superstructure: 8 - Double Tee Precast Panels  
Substructure: Concrete filled steel shell pile bents  
Vehicle Protection: W-beam Guardrail  
Paint System: Epoxy Mastic  
Posted Load Limits: YES\*  
Bus Route: YES  
Sufficiency Rating: 52.09  
Utilities: Telephone  
Date of Inspection: 1/13/2009

## Location Map:



## Narrative Description

\* load limit sign not required and may be removed per GDOT inspection. This bridge structure is in fair condition with undermining of the pile encasements at bent #3. .

## Summary of Findings

<p>Repair Recommendations:          The pile encasements at Bent 3 should be extended to a point 2 feet below the mud line. The cracks and spalls in all precast concrete superstructure panels should be sealed to protect the reinforcement steel from corrosion</p>	<p>Repair/Replacement Priority: Medium          Estimated Cost for Repairs: \$7,500</p>
--	---



Photos



121-5013-0 – Roadway North View



121-5013-0 – Posted Limit



121-5013-0 – Underside Structure View



121-5013-0 – Spalling on edge of precast double tee



121-5013-0 – Drainage location with damage



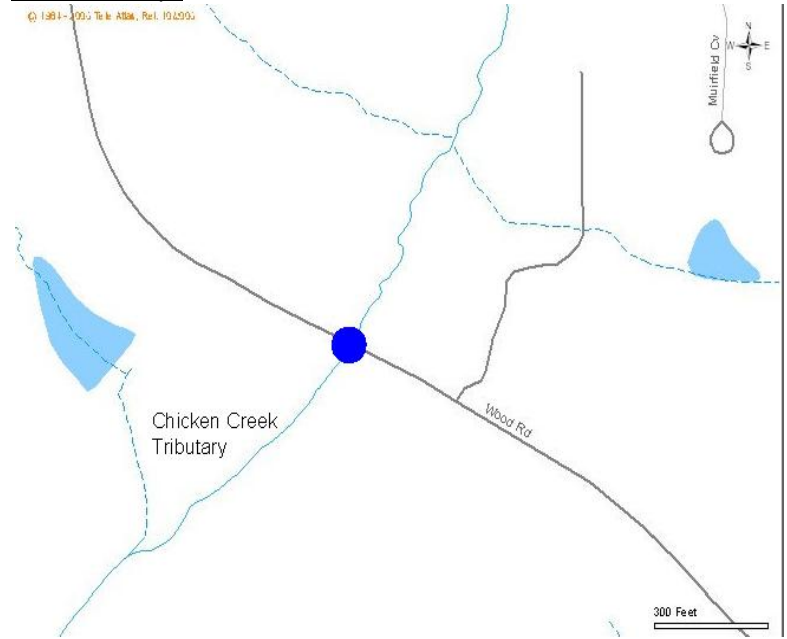
# Wood Rd (CR 24) Over Chicken Creek Tributary

Bridge ID 121-5014-0

## General

Road: Wood Rd (CR 24)  
Over: Chicken Creek Tributary  
Between: Phillips Rd  
 And Birmingham Hwy  
Structure Type: Precast Concrete Panels  
Year Built: 1956  
Length: 30 FT  
Width: 18.2 FT  
Span: 1 Span  
Deck: Precast Concrete Panels  
Superstructure: 6 - Double Tee Precast Panels  
Substructure: Concrete Gravity Wall  
Vehicle Protection: W-beam Guardrail  
Paint System: N/A  
Posted Load Limits: NO  
Bus Route: YES  
Sufficiency Rating: 63.28  
Utilities: N/A  
Date of Inspection: 2/12/2009

## Location Map:



## Narrative Description

This single-lane bridge structure is in satisfactory condition with no reported serious structural defects. There is exposed and corroded reinforcing steel on the end bents due to spalled concrete.

## Summary of Findings

Repair Recommendations:  
 The old timber pile cut-offs left in the stream channel should be removed to reduce the potential for drift accumulation. The spalling in the cap at the southern abutment should be sealed. Install advance signage for single lane bridge ahead.

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$2,500



Photos



121-5014-0 – Roadway SE View



121-5014-0 – Elevation East View



121-5014-0 Spalling on SE End Bent



121-5014-0 Main rebar exposed due to spalling



121-5014-0 Deck concrete panels bearing on pile





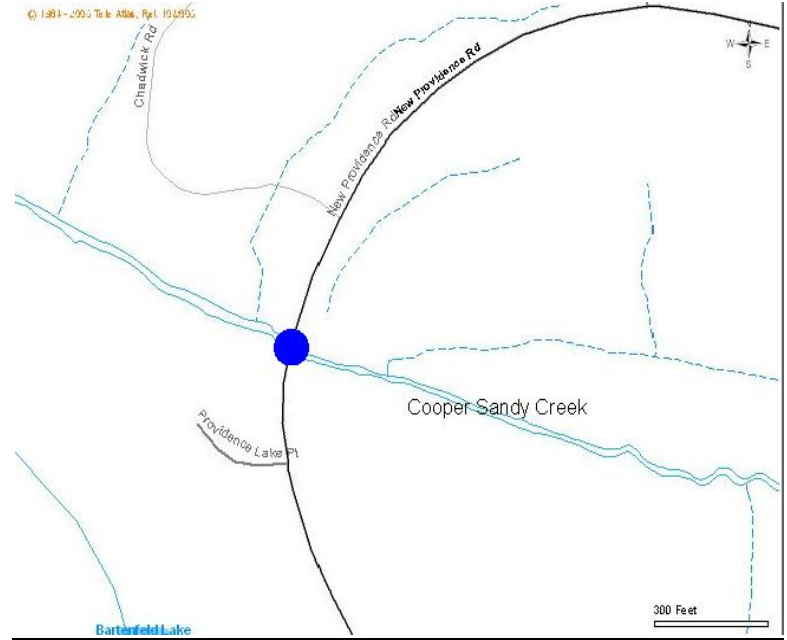
# New Providence Rd (CR 27) Over Cooper Sandy Creek

Bridge ID 121-5015-0

## General

**Road:** New Providence Rd (CR 27)  
**Over:** Cooper Sandy Creek  
**Between:** Providence Lake Point  
 And Chadwick Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1962  
**Length:** 90 FT  
**Width:** 24.2 FT  
**Span:** 3 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 7 - Double Tee Precast Panels  
**Substructure:** Steel/Timber Pile Bents  
**Vehicle Protection:** Substandard Metal Railing (W-beam sections installed where damaged)  
**Paint System:** None  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 18.71  
**Utilities:** Gas, Water and Telephone  
**Date of Inspection:** 2/11/2009

## Location Map:



## Narrative Description

This bridge structure has undergone a significant rehabilitation of the pile bents and has no reported deficiencies. Currently in fair condition (Sufficiency Rating 18.71 but needs to be verified with GDOT based on recent repairs)

## Summary of Findings

Repair Recommendations:  
 Replace substandard railing system with w-beam guardrail.

Repair/Replacement Priority: Medium/High depending on sufficiency rating  
 Estimated Cost for Repairs: \$3,500



Photos



121-5015-0 – Roadway East View



121-5015-0 – Elevation North View



121-5015-0 – Twisted Steel H Pile



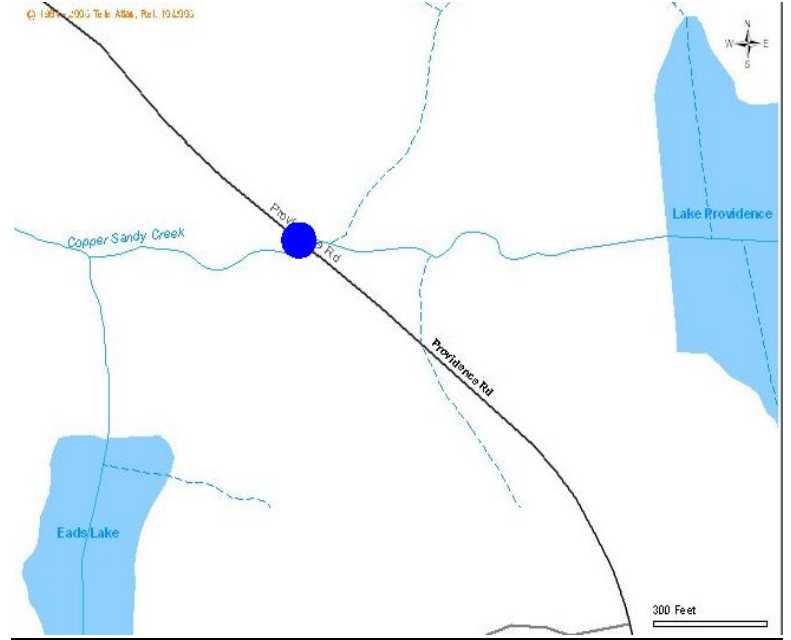
# Providence Rd (CR 27) Over Cooper Sandy Creek

Bridge ID 121-5016-0

## General

**Road:** Providence Rd (CR 27)  
**Over:** Cooper Sandy Creek  
**Between:** Providence Park Dr  
 And Bethany Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1962  
**Length:** 30 FT  
**Width:** 24.2 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 7 - Double Tee Precast Panels  
**Substructure:** Steel/Timber Soldier Piles w/Timber Lagging  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** NO\*  
**Bus Route:** YES  
**Sufficiency Rating:** 52.63  
**Utilities:** City Water  
**Date of Inspection:** 1/13/2009

## Location Map:



## Narrative Description

\* At time of inspection, the posting signs were missing. These signs are required and must be replaced. Post this structure for 16 Tons H-Truck; 17 Tons Type 3 Truck and 24 Tons Timber Truck. This structure requires posting due to the low original design capacity. A replacement structure is required to upgrade this structure to a point where posting is no longer required. This bridge structure is in fair condition with no reported deficiencies.

## Summary of Findings

Repair Recommendations:  
Secure guardrail anchorages at NE and SE corners of bridge.

Repair/Replacement Priority: Medium  
Estimated Cost for Repairs: \$1,000



Photos



121-5016-0 – Roadway North View



121-5016-0 – Elevation West View



121-5016-0 – Substructure repairs in place



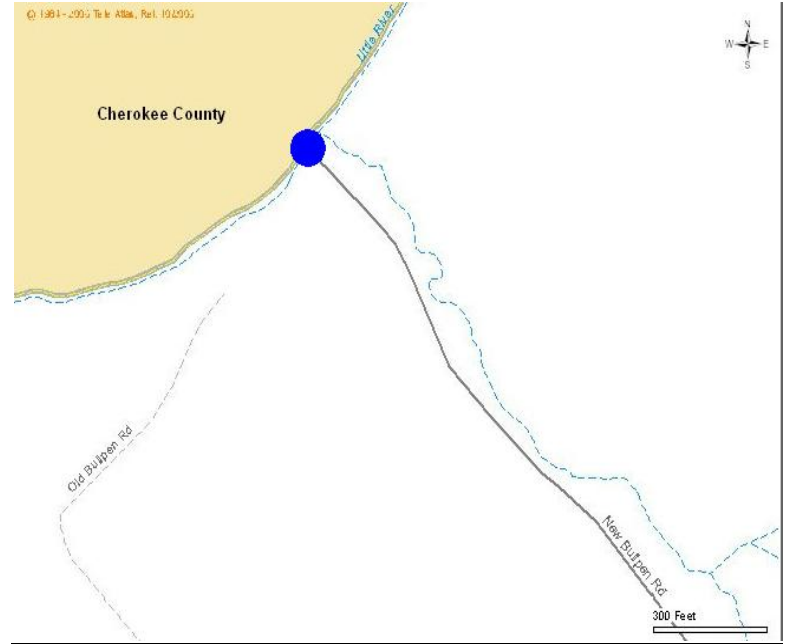
# New Bullpen Rd/Union Hill Rd (CR 1322) Over Little River

Bridge ID 121-5106-0

## General

**Road:** New Bullpen Rd/Union Hill Rd (CR 1322)  
**Over:** Little River  
**Between:** Birmingham Hwy  
 And Steeplechase Rd  
**Structure Type:** Concrete T-Beam  
**Year Built:** 1939  
**Length:** 61 FT  
**Width:** 26.7 FT  
**Span:** 2 Spans  
**Deck:** Cast-in-place Concrete w/Asphalt W.S.  
**Superstructure:** Concrete T-Beams  
**Substructure:** Concrete Cap and Column  
**Vehicle Protection:** Concrete Railing  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** NO  
**Sufficiency Rating:** 48.98  
**Utilities:** Telephone/Fiber Optic  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This all concrete bridge structure is located on the Fulton-Cherokee County line and is in fair condition with no reported deficiencies.

## Summary of Findings

Repair Recommendations:  
 Install approach guardrail at all four corners and anchor to bridge endposts.

Repair/Replacement Priority: Medium  
 Estimated Cost for Repairs: \$3,500



Photos



121-5106-0 – Roadway South View



121-5106-0 – Underside Structure View



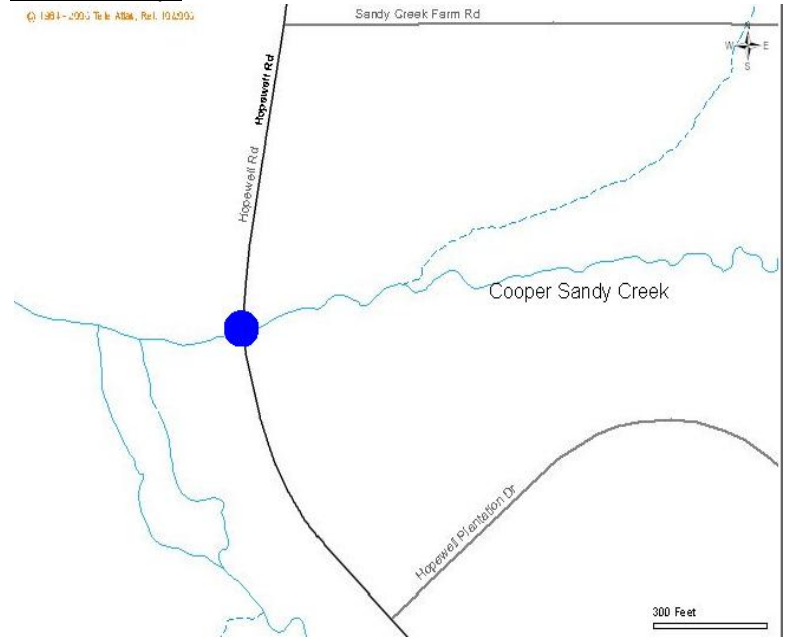
# Hopewell Rd (CR 1323) Over Cooper Sandy Creek

Bridge ID 121-5107-0

## General

**Road:** Hopewell Rd (CR 1323)  
**Over:** Cooper Sandy Creek  
**Between:** Hopewell Plantation Dr  
 And Sandy Creek Farm  
**Structure Type:** Corrugated Metal Arch  
 Culvert with masonry facing  
**Year Built:** 1953  
**Length:** 35 FT  
**Width:**  
**Span:** 2 Spans  
**Deck:** N/A  
**Superstructure:** Double 16' span x 12' rise  
 arch culvert  
**Substructure:** N/A  
**Vehicle Protection:** W-beam Guardrail (west  
 side)  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 91.07  
**Utilities:** N/A  
**Date of Inspection:** 1/9/2009

## Location Map:



## Narrative Description

This arch culvert is in good condition with no reported deficiencies.

## Summary of Findings

Repair Recommendations:  
None

Repair/Replacement Priority: Low  
Estimated Cost for Repairs: \$-



Photos



121-5107-0 – Roadway North View



121-5107-0 – Elevation view





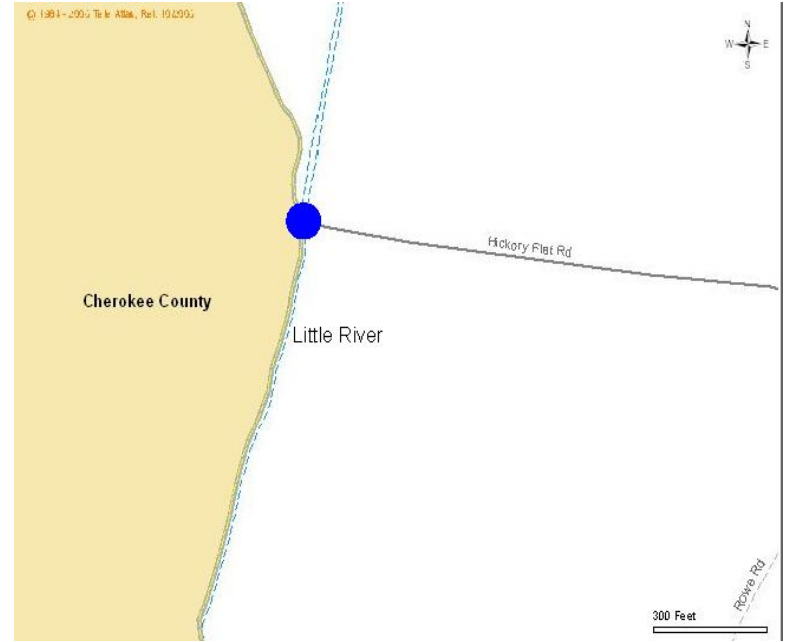
# Birmingham Rd (CR 4) Over Little River

Bridge ID 121-5151-0

## General

**Road:** Birmingham Rd (CR 4)  
**Over:** Little River  
**Between:** Roper Rd  
 And Clarity Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1968  
**Length:** 90 FT  
**Width:** 24 FT  
**Span:** 3 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** W-beam Guardrail (west side)  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** YES  
**Bus Route:** NO  
**Sufficiency Rating:** 40.83  
**Utilities:** Telephone  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This structure is located on the Fulton-Cherokee County line and is posted for 10 Tons H-Truck; 12 Tons Type 3 Truck; 15 Tons Timber Truck and 18 Tons Type 3S2 Truck. This structure requires posting due to the concrete deck slab panels not being properly bolted together. If the panels were properly bolted and grouted together, this bridge could be upgraded to a point where posting would not be required. This bridge structure is in satisfactory condition with the exception of the substructure units. The concrete encasement at pile#2 of bent#2 has undermined.

## Summary of Findings

**Repair Recommendations:**  
 Cracks in asphalt W.S. have been sealed; however, repair of eroded end slopes beneath bridge due to prior seepage of water thru deck panel joints is recommended. Clear dirt/debris and vegetation from both gutterlines.

**Repair/Replacement Priority:** Low  
**Estimated Cost for Repairs:** \$2,500



Photos



121-5151-0 – Roadway East View



121-5151-0 – Pile Encasement at Bent 2



121-5151-0 – End Fill



# Freemanville Rd (CR 34) Over Cooper Sandy Creek

Bridge ID 121-5153-0

## General

**Road:** Freemanville Rd (CR 34)  
**Over:** Cooper Sandy Creek  
**Between:** Creek Rd  
 And Freemanwood Ln  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1960  
**Length:** 90 FT  
**Width:** 24.2 FT  
**Span:** 3 Spans  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 8 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell pile bents  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** Epoxy Mastic  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** 56.24  
**Utilities:** Gas and Water  
**Date of Inspection:** 2/11/2009

## Location Map:



## Narrative Description

This structure is posted for 18 tons H-Truck; 18 Tons Type 3 Truck and 22 Tons Timber Truck. This structure is posted due to overstress caused by the extra dead load of the 4.5 inch asphalt overlay. Any upgrade of the load carrying capacity would require removal of this overlay. At the present time, no maintenance repairs are required to maintain this structure at the current rating.

## Summary of Findings

Repair Recommendations:  
None

Repair/Replacement Priority: Low  
Estimated Cost for Repairs: \$-



Photos



121-5153-0 – Roadway North View



121-5153-0 – Bridge Superstructure



121-5153-0 – Posted limit



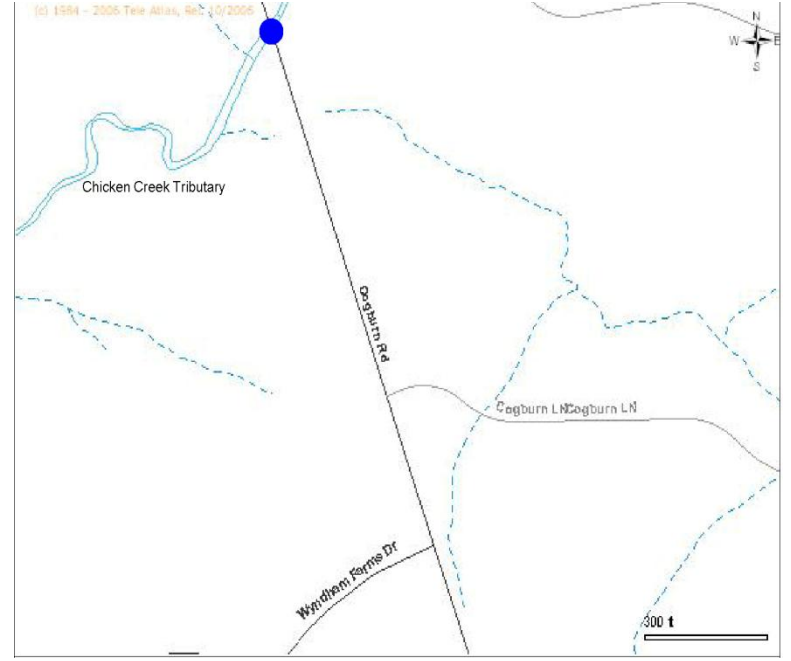
# Cogburn Rd (CR 37) Over Chicken Creek Tributary

Bridge ID 121-5202-0

## General

**Road:** Cogburn Rd (CR 37)  
**Over:** Chicken Creek Tributary  
**Between:** Wyndham Farms Dr  
 And Francis Rd  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 1986  
**Length:** 30 FT  
**Width:** 28.2 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 7 - Double Tee Precast Panels  
**Substructure:** Concrete filled steel shell piles  
**Vehicle Protection:** W-beam Guardrail  
**Paint System:** None  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** 58.95  
**Utilities:** Gas, Water and Telephone  
**Date of Inspection:** 2/12/2009

## Location Map:



## Narrative Description

This bridge structure is in good condition with no reported serious structural defects. However, there is severe guardrail damage at the SW corner.

## Summary of Findings

Repair Recommendations: Repair damaged guardrail immediately.	Repair/Replacement Priority: High Estimated Cost for Repairs: \$1,000
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Photos



121-5202-0 – Roadway North View



121-5202-0 – Elevation West View



121-5202-0 – Damaged Guardrail on SW Corner



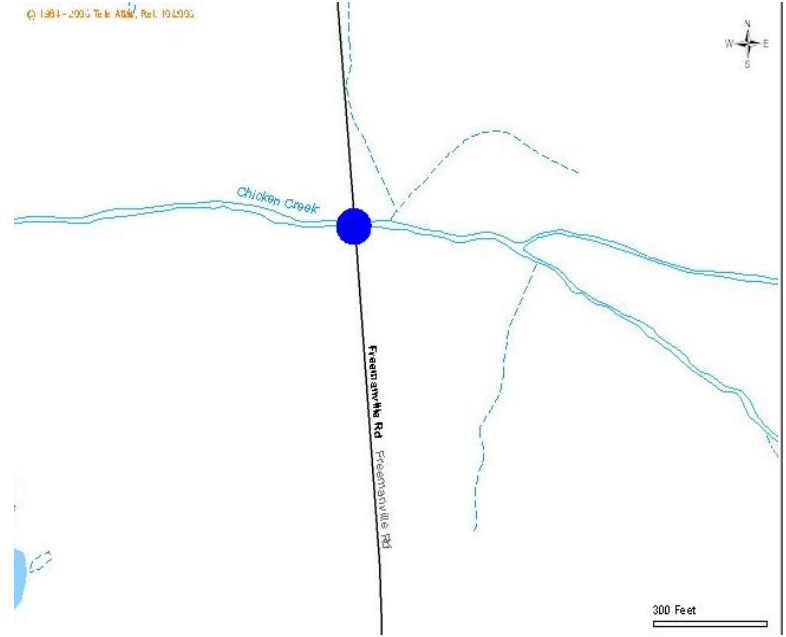
# Freemanville Rd (CR 34) Over Chicken Creek

Bridge ID 121-5303-0

## General

Road: Freemanville Rd (CR 34)  
Over: Chicken Creek  
Between Phillips Rd  
 And Louis Rd  
Structure Type: Prestressed Concrete Beam  
Year Built: 2004  
Length: 170 FT  
Width: 40 FT  
Span: 3 Spans  
Deck: Cast-in-place Concrete  
Superstructure: Type II & III PSC Beams  
Substructure: Concrete Cap and Column  
Vehicle Protection: Jersey Barrier w/pipe handrail  
Paint System: N/A  
Posted Load Limits: YES\*  
Bus Route: YES  
Sufficiency Rating: unknown  
Utilities: N/A  
Date of Inspection: 12:00:00 AM

## Location Map:



## Narrative Description

\* The load limit sign is no longer required and may be removed per GDOT inspection. This is a new structure constructed in 2004; however, the inventory data is not available on GDOT's website.

## Summary of Findings

Repair Recommendations:  
None

Repair/Replacement Priority: Low  
Estimated Cost for Repairs: \$-



Photos



121-5303-0 – Roadway South View



121-5303-0 – Elevation West View



121-5303-0 – Posted Limit (not req'd.)



121-5303-0 – Underside structure View





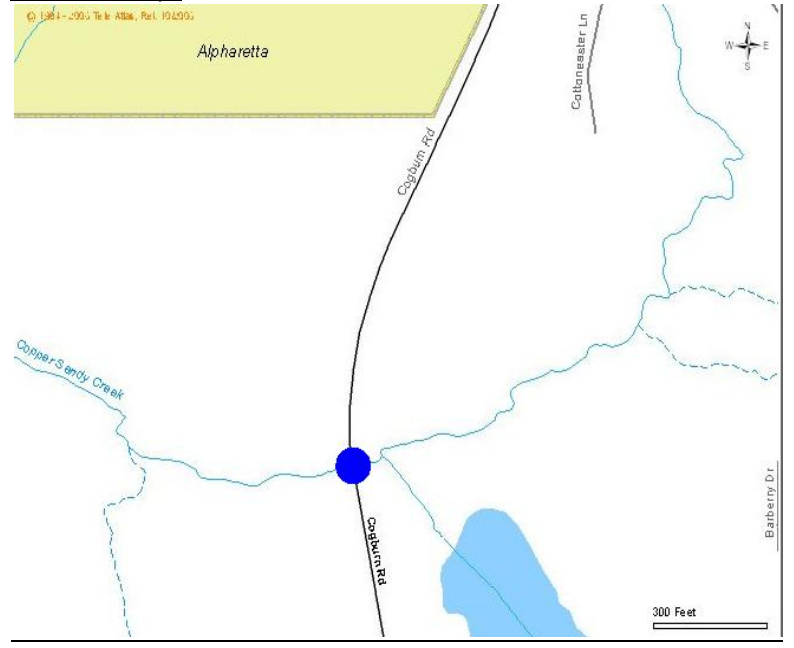
# Cogburn Rd (CR 37) Over Cooper Sandy Creek

Bridge ID MLT01

## General

**Road:** Cogburn Rd (CR 37)  
**Over:** Cooper Sandy Creek  
**Between:** Glaston Way  
 And N Park  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 0  
**Length:** 14 FT  
**Width:** 23.3 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 6 - Flat Slab Precast Panels  
**Substructure:** Timber Soldier Piles & Lagging  
**Vehicle Protection:** W Beam Guardrail  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** N/A  
**Utilities:** N/A  
**Date of Inspection:** 6/24/2009

## Location Map:



## Narrative Description

Structure consists of precast concrete flat slab panels with asphalt overlay. The bridge is located on a heavily traveled road and is in fair condition. Deck drain openings have been paved over with asphalt. Minor spalls observed along underside of bridge and at curb in SE corner. Guardrail posts missing along west side of bridge making guardrail inadequate for vehicle protection. The timber wingwalls are in fair to poor condition. Three of the four wingwall corner posts have severe rot/decay just above mudline. Both wingwalls on east (upstream) side of bridge have rotated slightly and earth fills have eroded due to inadequate stormwater drainage from road. Some of the timber lagging members have failed due to rot.

## Summary of Findings

<p><b>Repair Recommendations:</b>          For safety reasons, this bridge should be replaced with a wider structure on improved alignment to safely accommodate heavy traffic volumes and turning movements at adjacent school entrances. Provide adequate shoulders and sidewalk on east side.</p>	<p><b>Repair/Replacement Priority:</b> High  <b>Estimated Cost for Repairs:</b> \$850,000</p>
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Photos



MLT01 – Roadway South View



MLT01 – Elevation View



MLT01 – Spall location underside of beam



MLT01 – Timber wingwall damage Southeast Corner



MLT01 – Concrete damage Southeast Corner



MLT01 – Timber Pile Damage Northwest Corner



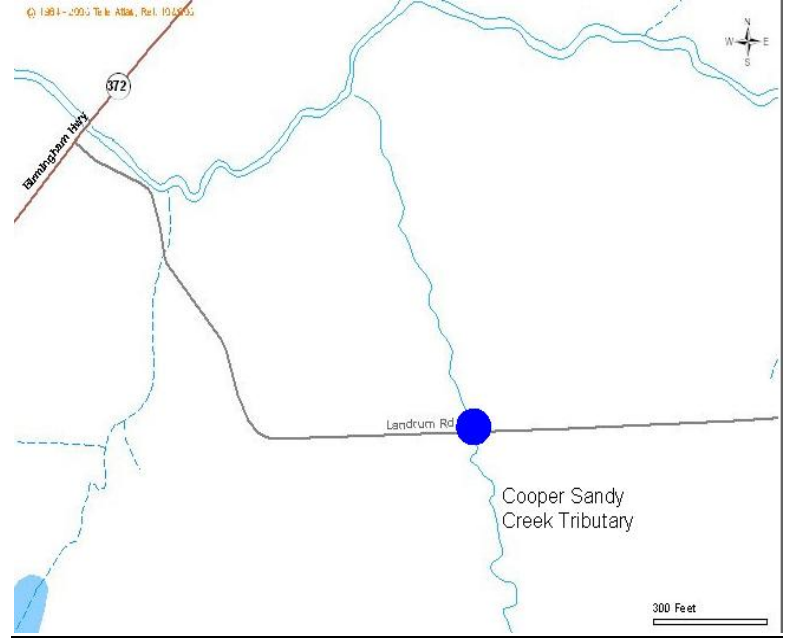
# Landrum Rd Over Cooper Sandy Creek Tributary

Bridge ID MLT02

## General

**Road:** Landrum Rd  
**Over:** Cooper Sandy Creek Tributary  
**Between:** Birmingham Hwy  
 And Freemanville Rd  
**Structure Type:** Single Span Steel Beam  
**Year Built:** 0  
**Length:** 19 FT  
**Width:** 14 FT  
**Span:** 1 Span  
**Deck:** 3x10 timber decking with timber curb  
**Superstructure:** 7 - 12" deep steel beams  
**Substructure:** Stone Masonry  
**Vehicle Protection:** W Beam Guardrail  
**Paint System:** None  
**Posted Load Limits:** YES  
**Bus Route:** YES  
**Sufficiency Rating:** N/A  
**Utilities:** GA Power, Water  
**Date of Inspection:** 4/3/2008

## Location Map:



## Narrative Description

This single lane bridge is posted for a weight limit of 3 Tons. Both approach roadways are gravel and exhibit moderate settlement with several deep depressions in the roadway. Both bridge seats have debris build-up, which indicates failure of the endwalls. The timber deck planks are in good condition. The bridge rail is composed of steel W-beam guardrail nailed to the timber curb which is substandard and loose at several locations. The steel beams have severe rust, exfoliation and section loss. Even though the corrosion levels are severe, there are no signs of excessive deflection, rotation or failure in the steel members. No major defects were identified in the masonry walls, although the east abutment foundation has been undermined by the creek at the south corner.

## Summary of Findings

Repair Recommendations: Replacement with a prefabricated arch structure	Repair/Replacement Priority: High Estimated Cost for Repairs: \$250,000
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Photos



MLT02 – Roadway East View



MLT02 – Elevation North View



MLT02 – Superstructure from Below



MLT02 – North Abutment



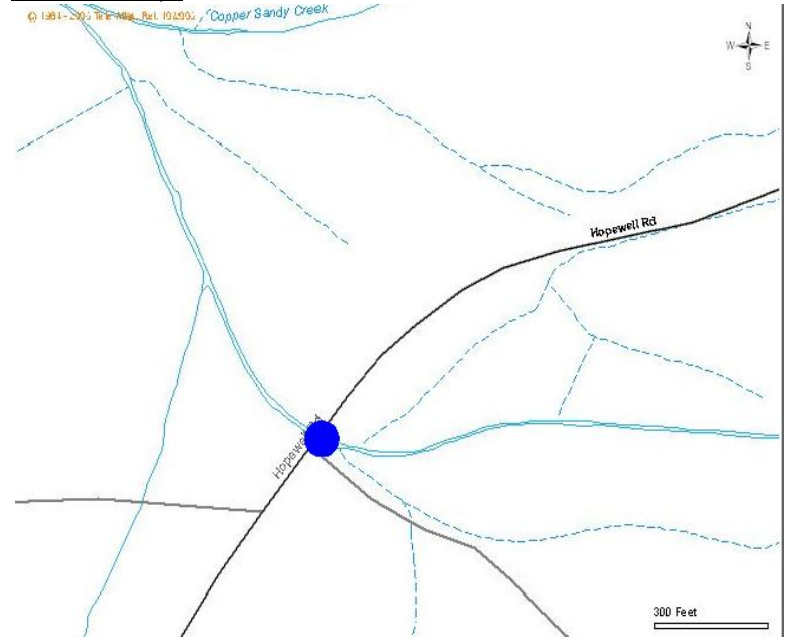
# Hopewell Rd (CR 1323) Over Cooper Sandy Creek

Bridge ID MLT03

## General

Road: Hopewell Rd (CR 1323)  
Over: Cooper Sandy Creek  
Between Redd Rd  
 And Saddlesprings Dr.  
Structure Type: Triple Cell Concrete Box  
Culvert  
Year Built: 0  
Length: 33 FT  
Width: 20 FT  
Span: 3 Spans  
Deck: N/A  
Superstructure: Triple 8 FT x 8 FT Box Culvert  
Substructure: N/A  
Vehicle Protection: W Beam Guardrail  
Paint System: N/A  
Posted Load Limits: NO  
Bus Route: YES  
Sufficiency Rating: N/A  
Utilities: N/A  
Date of Inspection: 6/24/2009

## Location Map:



## Narrative Description

Structure consists of a skewed triple cell 8 ft x 8ft concrete box culvert. Structure is in good condition with only siltation of northern most cell observed.

## Summary of Findings

Repair Recommendations:  
 Remove built up siltation from northern cell. Clear accumulated debris from south cells.

Repair/Replacement Priority: Low  
 Estimated Cost for Repairs: \$1,500



Photos



MLT03 – Roadway Southwest View



MLT03 – Elevation Southeast View



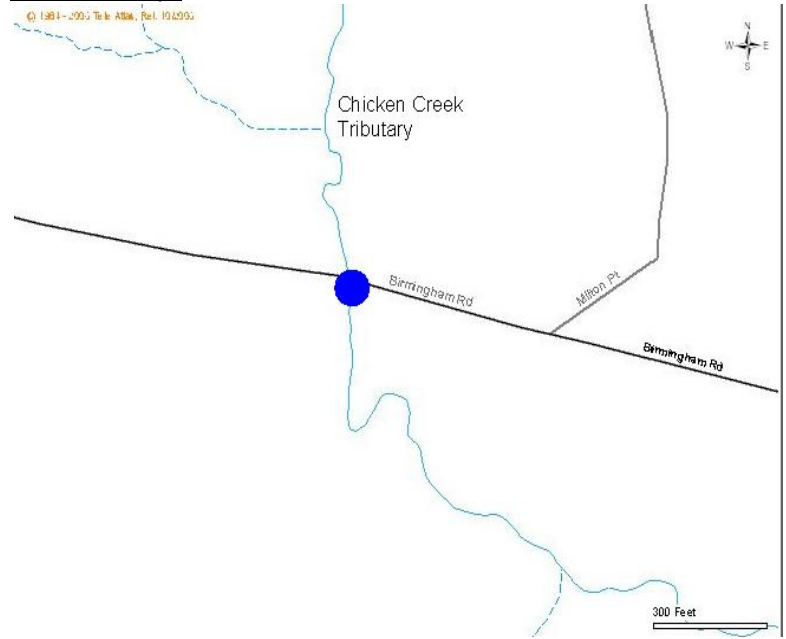
# Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID MLT04

## General

**Road:** Birmingham Rd (CR 4)  
**Over:** Chicken Creek Tributary  
**Between:** Day Rd  
 And Manor Terrace  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 0  
**Length:** 23 FT  
**Width:** 23.2 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 6 - Double Tee Precast Panels  
**Substructure:** Timber Soldier Piles & Lagging  
**Vehicle Protection:** W Beam Guardrail  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** N/A  
**Utilities:** City Water & Atlanta Gas  
**Date of Inspection:** 6/24/2009

## Location Map:



## Narrative Description

Structure consists of precast concrete double tee panels with asphalt overlay. Deck drain openings have been paved over with asphalt, water seepage thru cracks in wearing surface and down in between panels. Substructure consists of timber piles on a concrete cap. Timber planks are used to retain earth fill at end bents. The bridge is in fair condition. Deflection cracks observed in pavement at both ends of bridge and approach pavement has settled. It appears that the concrete stems have been patched but the patch material has begun peeling off in spots. Anchor bolts supporting guardrail posts have spalled along south side of bridge. Timber sheeting at SE corner has failed, and the SW corner post has failed due to rot. SW wingwall is beginning to fail at mudline.

## Summary of Findings

**Repair Recommendations:**  
 Patch and/or seal asphalt wearing surface on bridge deck. Level asphalt approach paving at each end. Closely monitor condition of timber piling & sheeting at ends of bridge and repair as needed.

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$5,000



Photos



MLT04 – Roadway West View



MLT04 – Elevation South View



MLT04 – Fabric on underside of beam



MLT04 – Guardrail anchor bolt spalling along Southside





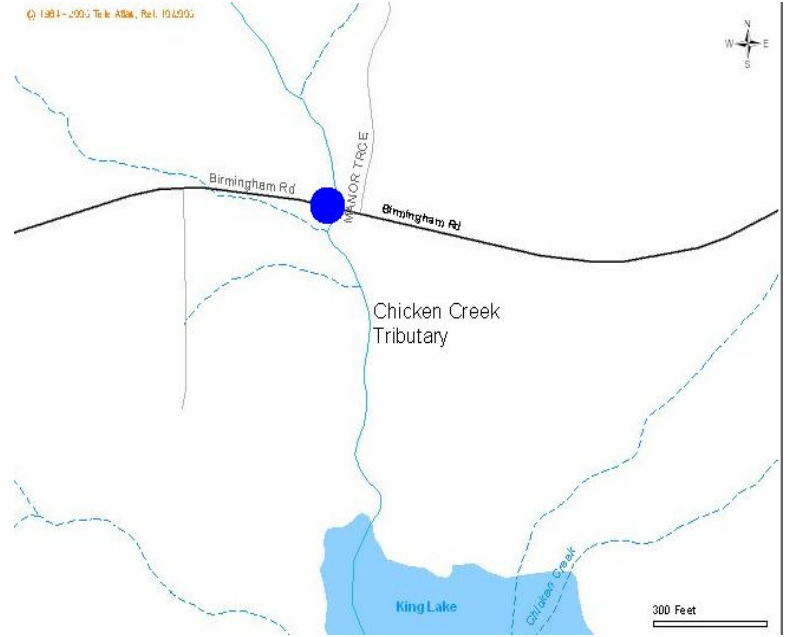
# Birmingham Rd (CR 4) Over Chicken Creek Tributary

Bridge ID MLT05

## General

**Road:** Birmingham Rd (CR 4)  
**Over:** Chicken Creek Tributary  
**Between:** Freemanville Rd  
 And Milton Point  
**Structure Type:** Precast Concrete Panels  
**Year Built:** 0  
**Length:** 15 FT  
**Width:** 23.8 FT  
**Span:** 1 Span  
**Deck:** Precast Panels w/Asphalt W.S.  
**Superstructure:** 6 - Flat Slab Precast Panels  
**Substructure:** Steel/Timber Soldier Piles  
 w/Timber Lagging  
**Vehicle Protection:** Pipe Handrail  
**Paint System:** None  
**Posted Load Limits:** NO  
**Bus Route:** YES  
**Sufficiency Rating:** N/A  
**Utilities:** City Water & Atlanta Gas  
**Date of Inspection:** 6/24/2009

## Location Map:



## Narrative Description

Structure consists of precast concrete flat slab panels with asphalt overlay. Substructure consists of steel piles on a concrete cap. Timber planks are used to retain earth fill at end bents. The bridge is in good condition. Deflection cracks observed in pavement at both ends of bridge. It appears that the bridge substructure has been retrofitted since original construction. Original timber piles have been cut off and steel piles installed at each end bent. Some of the timber lagging has rotted and need to be replaced. Existing pipe hand rail is insufficient for vehicle protection.

## Summary of Findings

**Repair Recommendations:**  
 Install W-beam guardrail to replace pipe railing. Patch and/or seal asphalt wearing surface on bridge deck. Level asphalt approach paving at each end. Closely monitor condition of timber piling & sheeting material at each end of bridge.

**Repair/Replacement Priority:** Medium  
**Estimated Cost for Repairs:** \$7,500



Photos



MLT05 – Roadway West View



MLT05 – Elevation South View



MLT05 – Timber wingwall damage Northeast Corner



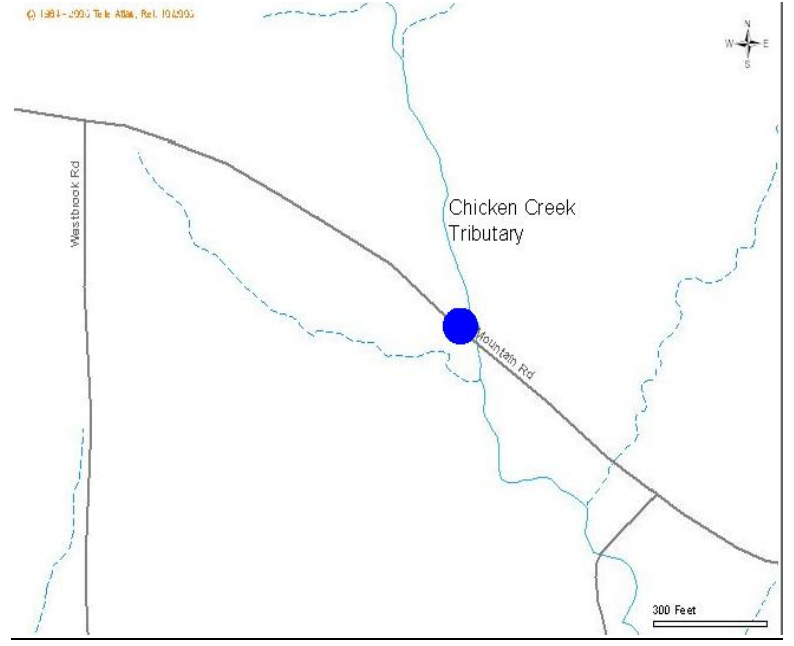
# Mountain Rd Over Chicken Creek Tributary

Bridge ID MLT06

## General

**Road:** Mountain Rd  
**Over:** Chicken Creek Tributary  
**Between:** Westbrook Rd  
 And Phillips Circle  
**Structure Type:** 6 FT Diameter Concrete Pipe  
**Year Built:** 0  
**Length:** 73 FT  
**Width:** 6 FT  
**Span:** 1 Span  
**Deck:** N/A  
**Superstructure:** N/A  
**Substructure:** N/A  
**Vehicle Protection:** N/A  
**Paint System:** N/A  
**Posted Load Limits:** NO  
**Bus Route:** unknown  
**Sufficiency Rating:** N/A  
**Utilities:** City Water and AT&T  
**Date of Inspection:** 6/24/2009

## Location Map:



## Narrative Description

This pipe structure is in satisfactory condition with isolated spalls on interior. Three of the pipe segments at the outfall end have settled and separated, causing water to flow down through the joint between the segments and underneath the final pipe segment resulting in undermining. Minor spalling observed on exterior of pipe at outfall. Channel erosion and undermining of pipe observed at outfall.

## Summary of Findings

**Repair Recommendations:**  
 Pump grout material in eroded areas at outfall end of pipe and beneath pipe to eliminate voids. Once voids are filled, seal gaps between pipe segments to prevent further undermining, erosion and pipe settlement.  
 Monitor roadway surface above pipe and outfall end of pipe to verify performance of repair.

**Repair/Replacement Priority:** Low  
**Estimated Cost for Repairs:** \$3,500



Photos



MLT06 – Roadway Northwest View



MLT06 – Outfall Elevation View



MLT06 – Last pipe segment at pipe outfall



MLT06 – Spall location within pipe