

# GEORGIA DEPARTMENT OF TRANSPORTATION

## Bridge Inspection Report

**District:** 6  
**Bridge Inspector:** Willie Reid  
**Location ID:** 045-00838F-002.08N  
**Structure ID:** 045-0074-0

**Inspection Date:** 6/12/2012  
**Over:** BECKMILL CREEK  
**County:** Carroll

**Inspection Area:** 09  
**Bridge Status:** 05

**Road Name:** TYUS VEAL ROAD  
**EVALUATION & DEFICIENCIES**

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### SubStructure:

**Year Painted:** 1971

Abutment #1 was completely replaced In 1990 with a concrete vertical wall.  
Abutment #3 is grouted stone masonry.  
Bent #2 has a (S15 X 42.9) steel cap on (4-HP12 X 53) steel piles with concrete encasements.  
Pile #2 in bent #2 was spliced 3.0" above the concrete encasement.  
A section 1.0" long was not welded. (See Photo)  
This condition seems to be stable.  
Inventory Load Capacity: H-10 Assigned.

Paint has failed and all piles have minor corrosion.  
Abutment #1 on the left wing wall has a wash out that is 4.7' D X 5.2' W X 3.5' L.  
Abutment #3 on the right side the masonry has started to fall down.  
Past settlement of approx. 2.0" appears to be stable at present.

### SuperStructure:

**Year Painted:** 1971

2-Span simple steel beam, (9-S15 X 42.9) beams per span. No lateral support.  
Inventory Load Capacity: H-21 Calculated.

Paint has failed.  
Overall minor surface corrosion, pitting and rust.  
Splice noted in 1989 inspection is behind the additional abutment.  
Span #1 was shortened 3.2 feet.  
Deck is not over beam #9 near abutment #3.  
Beam appears to have shifted out ward.  
It is off the deck about 7.0' long and 1" to 1 1/2" wide.  
Beam #9 is also twisted in the top flange about 1.5".

### Deck:

6.5" Concrete slab with 7.0" average asphalt overlay on metal stay-in-place deck forms.  
Inventory Load Capacity: H-09 Assigned.

Metal stay-in-place deck forms have corrosion, rust and holes in some areas.  
Due to beam lap at bent #2 and past settlement of both abutments, the deck is picked up off of the beams 1" to 1.5" for a distant of approx. 8.0'.  
Deck cannot be inspected good due to metal stay-in-place deck forms on the bottom and an asphalt overlay on the top.  
The additional asphalt was used to level the riding surface.  
Deck is not over beam #9 near abutment #3.  
Beam appears to have shifted out ward.  
It is off the deck about 7.0' long and 1" to 1 1/2" wide.  
The forward approach roadway is 1.0" lower than the deck.

### General:

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### EVALUATION & DEFICIENCIES

Built in 1935 and Reconstructed in 1971, Project # COUNTY DESIGN.

Minor approach roadway settlement forward of structure

This structure is in fair condition, see write up.

Deck is not over beam #9 near abutment #3.

Beam appears to have shifted out ward.

It is off the deck about 7.0' long and 1" to 1 1/2" wide.

Tyrus Veal Road (CR00817).

Ladder tools used.

Repairs: Cut overlap beams at bent #2.

Clean and paint all structural steel.

Remove the cattle fence from the bridge.

Repair the wash out at the rear left wing wall.

Level the forward left approach roadway.

Clean off the deck it has grass growing on it.

Reinstall the rear and forward posting signs, they are not high enough and remove the hazard board signs from the posting signs.

#### Condition Rating

Temp Shored: No

Component	Material	Rating	Truck Type	Gross/H-Mod	HSMOD	Tand	3-S-2	Log	Piggy
Substructure	S-M-C	5	Calculated Posting	11	16	13	22	19	00
Superstructure	Steel	5	Posting Required	Yes	No	Yes	Yes	Yes	No
Deck	Concrete	5	Existing Posting	11	00	13	22	19	00

\*\*\*School Bus Route.\*\*\*

**Structure Requires Posting**