

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District: 6
Bridge Inspector: Willie Reid
Location ID: 233-00380X-000.11S
Structure ID: 233-5040-0

Inspection Date: 12/5/2011
Over: LITTLE CEDAR CREEK
County: Polk
Road Name: MOUNTAIN HOME LOOP ROAD

Inspection Area: 09
Bridge Status: 06

EVALUATION & DEFICIENCIES

SubStructure:

Year Painted: 0000

Concrete vertical wall abutments.
 Substructure deemed adequate for superstructure capacity – SEPTEMBER 2005.

Light deterioration.

1.0' to 2.5' of scour and 1.5' of undermining was found under footing at abutment #1.

Note: Abutment #1 was reported in 1986 as leaning inward of 8", this still exists, but filler concrete was added under abutment, and it appears to be stable at the present time.

Abutment #1 appears to be stable at time of inspection.

Abutment #2 has 1.3' scour at the footing and no undermining.

Abutment #1, the left and right wing walls have pulled away from the abutment 3" to 4".

SuperStructure:

Year Painted: 1952

1-Span steel beam, (7-W12 X 31 steel beams).

Superstructure = H-09 Calculated 2005 by Central Office (Load Factor).

No paint on beams.

The beams are composite with deck.

Overall surface corrosion, pitting and minor section loss at beam ends.

Deck:

Concrete jack arch deck with 7.5" thick at apex.

Assigned H-15 (1996).

Moderate age deterioration. minor cracking and exposed aggregate.

Asphalt has been added to approaches to feather roadway.

The rear approach roadway has settled 1 1/2" and forward is minor.

General:

Built IN 1952, Project # COUNTY DESIGN.

CALCULATIONS FOR THIS STRUCTURE WERE DETERMINED BY THE CENTRAL OFFICE – SEPTEMBER 2005.

Angle iron as handrail is on both sides of structure, fair condition.

Hand tools was used during the inspection. No ladder was required.

Mountain Home Loop Road.

Repairs: Clean and paint all structural steel.

Repair scour and undermining under concrete footing at abutment #1 and abutment #2

Repair Settlement at abutment #1.

Condition Rating

Temp Shored: No

| Component | Material | Rating | Truck Type | Gross/H-Mod | HSMMod | Tand | 3-S-2 | Log | Piggy |
|----------------|----------|--------|--------------------|-------------|--------|------|-------|-----|-------|
| Substructure | Concrete | 4 | Calculated Posting | 13 | 18 | 12 | 19 | 15 | 00 |
| Superstructure | Steel | 6 | Posting Required | Yes | No | Yes | Yes | Yes | No |
| Deck | Concrete | 5 | Existing Posting | 13 | 00 | 12 | 19 | 15 | 00 |

Not a School Bus Route.

Structure Requires Posting