

GEORGIA DEPARTMENT OF TRANSPORTATION

Bridge Inspection Report

District:	4	Inspection Date:	7/10/2013	Inspection Area:	04
Bridge Inspector:	Travis Lassiter	Over:	TOMS CREEK	Bridge Status:	06
Location ID:	101-00035X-001.27S	County:	Echols		
Structure ID:	101-5003-0	Road Name:	TOMS CREEK ROAD		

EVALUATION & DEFICIENCIES

SubStructure:

Year Painted: 1955

4 - 12" steel shell piles with no sway bracing.
24"W x 24"H concrete caps are present at 25' in length.
Center of pile is 28" to end of cap.
Substructure = H-10 Calculated 2011 by Central Office (Assigned).
Exterior piles are battered 83 degree.

Minor shrinkage cracking are present on caps.

Piles need to be cleaned and painted.
Bent # 4,5, & 6 has section loss.

SuperStructure:

Year Painted: 0000

8 - 12" W x 10" H waffle type beams at 3.125' spacing.

Superstructure = H-17 Calculated 2011 by Central Office (Load Factor).

Flexural cracking is present on beams.
Minor spalls are present in the beams.
A few bolts on beams are loose - minor at this time.

Deck:

4" concrete waffle panels with metal handrail.

Transverse cracking is present in deck.
Deck has minor sagging at mid spans.
Spalls are present thru out the deck.

All deck joints are leaking - should be cleaned and sealed.
Key wedges are leaking- should be sealed.

General:

Built in 1955. 152' x 24'
Calculations for this structure were determined by the central office - January 2003. Revised 2011

Handrail and curb has minor damaged on abutment # 1 left side (No repairs need).

<7/10/2013> Bridge inspected beyond 24 months to optimize schedule.

Recommended Repairs:

All deck joints are leaking - should be cleaned and sealed.
Piles need to be cleaned and painted and may need encasement due to corrosion.
Approaches are rough - should be leveled.
Enroll has moderate erosion on abutment # 7 left and right side.
Abutment # 7 has minor undermining of the cap - should be repaired.
Key wedges are leaking- should be sealed.

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EVALUATION & DEFICIENCIES

Condition Rating

Temp Shored: No

Component	Material	Rating
Substructure	Steel-Concrete	5
Superstructure	Concrete	5
Deck	Concrete	5

Truck Type	Gross/H-Mod	HSMod	Tand	3-S-2	Log	Piggy
Calculated Posting	11	13	11	18	16	00
Posting Required	Yes	Yes	Yes	Yes	Yes	No
Existing Posting	11	13	11	18	16	00

School Bus Route.

Structure Requires Posting