

Fowler Mill Road Bridge



Before



After

Purpose:

As part of the 2005 Bridge Inspection Report prepared by GDOT bridge engineers, it was noted that the Fowler Mill Road Bridge over Little Bear Creek was showing signs of failure within the bridge superstructure, primarily the existing asphalt deck. The steel beams and stone abutments were in good condition, but the metal deck pan was corroding and creating large holes in the asphalt bridge deck. The existing bridge rails did not meet the current industry standards for crashworthiness. The current bridge design required load limit postings that restrict truck loads for dump truck type vehicles and logging trucks to approximately 50% of the legal limits (17 tons and 24 tons, respectively). The report did indicate that the bridge was still structurally sound and recommended that Athens-Clarke County post weight limits on the bridge and begin designing a new bridge deck.

Project Details:

Replaced the existing deck with a composite concrete deck, increasing the load carrying capacity to satisfy all normal design loads and vehicles types (loads up to 57 tons for trucks with dual rear axles). Included construction of concrete approach slabs, removal and replacement of guardrail and bridge rails.

<u>Phase</u>	<u>Agenda Date</u>	<u>Funding Source</u>	<u>Budget</u>	<u>Actual</u>	<u>Begin Date</u>	<u>End Date</u>
Concept						
PE Design	Apr-09	General Funds	\$ 94,841	\$ 94,841	Jun-09	Nov-11
PE Design						
FE Design	Oct-09					
ROW	N/A					
Construction	May-11	SPLOST 2005-09	\$229,169	\$229,114	Aug-11	Jan-12
Construction	May-11	GDOT Grant		\$ 94,841	Aug-11	Jan-12
Bid Amount	May-11		\$327,216	\$324,280		

Concept: CHA David Clark, Jason Peek
 Design: CHA David Clark, Jason Peek
 Construction: Rogers Bridge Co. Lamar Brown, Joe Zachmann
 Notes: ROW purchased with Phase 1A, SPLOST 2000-II-23 funding. \$365,000
 Project: 6166