

STREAM BUFFER ENCROACHMENT

Stream Buffers are impacted by this project.

The contractor is not authorized to enter into stream buffers, except as described in the table below:

Stream Name Or Number	Location of Buffered Streams and State Waters **			Stream Type (Warm/Cold Water) *	Buffer Impacted (Yes/No)	Buffer Variance Required?	Describe The Allowable Activities And/Or Restrictions Within The Buffer And Approximate Location of Impacts
	Alignment	Begin Sta (Lt or RT)	Ending Sta (Lt or RT)				
Swift Creek Stream 6	US I/SR 4	STA 58+00	STA 61+00	WARM	YES	NO	Existing US I/SR 4 will be detoured to the east during Stage I at this location. The existing 24' X 200' bridge will be replaced with a longer 48' X 400' bridge to replace a structurally deficient structure while pulling the structure out of the Swift Creek 500 YR flood zone. In addition to the bridge, 4 spillways with concrete and rip rap pads will drain to this buffer. The buffer impact is exempt from needing a buffer variance due to the roadway drainage structure exemption. The contractor shall install and maintain a double row of Type C silt fence along the base of the fill slopes, ditch checks, erosion control mats on slopes and outlet protection on outlet structures upstream from the buffer to prevent sediment from leaving the project and entering this buffer.
Stream 3a	US I/SR 4	STA 51+20 (LT)	STA 56+26 (LT)	WARM	YES	YES	Along with the Swift Creek bridge replacement, the existing US I/SR 4 pavement structure will be reconstructed and overlaid as it approaches the new bridge from the north and south. Along with the pavement rehabilitation, a wider paved shoulder and new guardrail will be constructed along US I/SR 4 that will require fill material over the existing roadway embankment and encroaching into the stream buffer for Stream *3a. Three concrete spillways with concrete and rip rap outlet protection are proposed to drain into this buffer. A double row of Type C silt fence, ditch checks, erosion control mats on the fill slopes, temporary and permanent grassing will be installed upstream from this buffer and will prevent sediment from entering this buffer. The contractor shall not perform any work in the buffer without an approved permit.
Stream 6a	US I/SR 4	STA 60+30 (LT)	STA 61+20 (LT)	WARM	YES	NO	Existing US I/SR 4 will be detoured to the east and away from this stream and buffer. This stream buffer remains entirely on the existing ROW to the west of the alignment. The buffer will be impacted during stage I and II to construct the new bridge. The buffer impact is exempt from needing a buffer variance due to the roadway drainage structure exemption. Overland flow from the project and Wetland *5 contribute to the concentrated flow in this stream. A double row of Type C silt fence along the base of the fill slopes, ditch checks, erosion control mats on the slopes, and outlet protection on outlet structures shall be utilized upstream from this buffer to prevent sediment from leaving the project and entering this buffer.
Stream 6b	US I/SR 4	STA 59+70	STA 61+10	WARM	YES	NO	Existing US I/SR 4 will be detoured to the east during Stage I at this location. The existing 24' X 200' bridge will be replaced with a longer 48' X 400' bridge to replace a structurally deficient structure while pulling the structure out of the Swift Creek 500 YR flood zone. In addition to the bridge, 2 spillways with concrete and rip rap pads will drain to this buffer. The buffer impact is exempt from needing a buffer variance due to the roadway drainage structure exemption. The contractor shall install and maintain a double row of Type C silt fence along the base of the fill slopes, ditch checks, erosion control mats on slopes and outlet protection on outlet structures upstream from the buffer to prevent sediment from leaving the project and entering this buffer.

* Warm water streams have a 25-foot minimum buffer as measured from the wretsted vegetation. Cold Water streams have a 50-foot buffer as measured from the wretsted vegetation.

** Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets.

GPN

GEORGIA
DEPARTMENT
OF
TRANSPORTATION

REVISION DATES

08-01-11					

STATE OF GEORGIA
DEPARTMENT OF TRANSPORTATION
OFFICE: ROADWAY DESIGN

ESPC GENERAL NOTES
STREAM BUFFER ENCROACHMENT

PROJECT: BR000-0001-00(365)
COUNTY: TOOMBS

DRAWING No.
51-004