

**GEOTECHNICAL UNIT FIELD SCOUR REPORT**

PROJECT: 8.T190301 ID: R-2514A COUNTY: Onslow

DESCRIPTION (1): US 17 over Starky's Creek

**INFORMATION ON EXISTING BRIDGES** Information obtained from  X  field inspection  
       microfilm (Reel:        Position:       )  
       other       

COUNTY BRIDGE NO. 47 BRIDGE LENGTH 34.1 m NO. BENTS 4 NO. BENTS IN CHANNEL 0 FLOOD PLAIN 4

FOUNDATION TYPE: Not determined.

EVIDENCE OF SCOUR (2):

ABUTMENTS OR END BENT SLOPES: None noted.

INTERIOR BENTS: None noted.

CHANNEL BED: None noted.

CHANNEL BANKS: None noted.

**EXISTING SCOUR PROTECTION:**

TYPE (3): Concrete end wall.

EXTENT (4): 3 m outside bridge.

EFFECTIVENESS (5): Appears satisfactory.

**OBSTRUCTIONS (6) (DAMS, DEBRIS, ETC.):** Beaver dam 30± m upstream from bridge.

**DESIGN INFORMATION**

CHANNEL BED MATERIAL (7) (SAMPLE RESULTS ATTACHED): Very loose organic sand (SS-28, SS-34).

CHANNEL BANK MATERIAL (8) (SAMPLE RESULTS ATTACHED): Very loose organic sand (SS-28, SS-34).

FOUNDATION BEARING MATERIAL (9): Medium dense clayey sand and/or limestone.

CHANNEL BANK COVER (10): Wooded.

TIDAL MARSH WIDTH (11): 200± meters.

FLOOD PLAIN COVER (12): Wooded.