



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
DIVISION OF STRUCTURES**

SUITE 1100, JAMES K. POLK BUILDING
NASHVILLE, TENNESSEE 37243-1402
(615) 741-3351

JOHN C. SCHROER
COMMISSIONER

BILL HASLAM
GOVERNOR

September 21, 2018

Rachel Gentry
Region 2 Project Development
7512 Volkswagen Drive
Chattanooga TN 37416

Subject: PIN: 124102.00
State Route 40
Bridge and Approaches
Over Ocoee River at LM 3.12
Polk County

Dear Ms Gentry:

A preliminary review has been made of the subject project and the following comments are for your use in developing ROW plans. The structure sizes and drawings are to be considered tentative and you will receive additional design data at a later date.

Ocoee River @ station 126+63

570 ft. \pm , 4 span, 90° skew concrete girder bridge, beginning bridge station 124+28.00 \pm

Comments:

- ◆ The proposed grade we received on September 21, 2018, is satisfactory for hydraulic design.
- ◆ Per the FEMA Floodmap for this location, the 100 year flood elevation is 735.21
- ◆ Please provide a proposed tin when available.
- ◆ Construction haul roads will be required for demolition of the existing bridge.
- ◆ Adequate ROW should be provided for rip-rap slope protection at the bridge abutments and culverts headwalls.
- ◆ Traffic is to be maintained on the existing structure.
- ◆ Traffic is to be maintained utilizing phased construction. Specific details regarding phasing will be provided at a later date.
- ◆ TVA Section 26a approval applies due to the project proximity to the Ocoee #1 Dam. We have determined that the proposed bridge design meets TVA requirements for horizontal and vertical clearance.
- ◆ This project is in a designated FEMA floodplain and floodway. Steps should be taken to minimize encroachments in the floodplain and avoid the floodway. Removal of the existing bridge will be required in order to minimize changes to the floodplain.
- ◆ This project will not require a Coast Guard permit.

If you have any questions or if we can be of any further assistance, you may contact this office.

Sincerely,

A handwritten signature in black ink that reads "Wesley Pock". The signature is written in a cursive style with a large, stylized 'W' and 'P'.

(for)

Ted Kniazewycz
Engineering Director, Structures

WWP:pc

Enclosure

cc: Mr. Wes Hughen
Mr. Robert Rogers
R2 EnvTechOffice
Ms DJ Wiseman
TDOT.Env Permits
TDOT.Env.NEPA
TDOT Scheduling
Ecology.Plans
Mr. John Hastings
Mr. Mark Holloran
Mr. Jeff Blevins

National Flood Hazard Layer FIRMette



35°6'53.10"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000

USGS The National Map: Orthoimagery. Data refreshed October 2017.

35°6'23.67"N

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
MAP PANELS		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/27/2018 at 3:40:41 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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