



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DIVISION
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BILL LEE
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June 27, 2023

MEMORANDUM

PROJECT:	PIN's 124061.00
	Fentress County SR-85 Bridge over East Fork Obey River (L.M. 5.67)
SUBJECT:	CONSTRUCTABILITY REVIEW MEETING SUMMARY
DATE:	June 14 th , 2023
NOTES BY:	Blake Fulton, P.E. TDOT Construction Division

A Constructability Review meeting was held on June 14th, 2023 with Construction Industry Representatives, TDOT Headquarters Construction Division, TDOT Structures Division and TDOT Region 2 Project Development. The scope of the review was to integrate construction expertise early into the project development process for the SR-85 bridge replacement project in Fentress County.

The roadway, retaining wall, utility and traffic control plans were specifically reviewed as part of this meeting.

AGENDA:

1. Introductions
2. Purpose: Existing Conditions
3. Project Overview: Roadway, Bridge, Construction, Traffic Control
4. Work Session

ACTION ITEMS:

1. Project Phasing & Timing
2. Accessibility
3. Environmental
4. Traffic Control

SUMMARY:

Information regarding what type of piles shall be used on the project will be added (drilled shaft, micropiles, etc.). The current length of beams will not be accessible to the project due to constraints with the existing roadways cross section and alignment, so shorter box beams and steel beams will be evaluated in lieu of bulb T beams by the Department; the Department will also consider extending the abutments with retaining walls to reduce span lengths. Pre-cast deck panels, additional deck concrete for sag areas and K-bars for horizontal shear will all be assessed.

The Department will consider allowing either four haul roads or two haul roads with a stream crossing for construction activities. Should a stream crossing be allowed, the Department will determine the temporary culvert size and spacing needed. Haul roads will be planned with a minimum width of thirty feet and be paired with fifty-by-fifty foot crane pads. The maximum slope of the haul roads should be between fifteen and twenty percent.

The need for a safety study on the existing SR-85 leading to the project will be analyzed to ensure the current roadway conditions are adequate for construction equipment and materials to be hauled on.

Clarification from the Tennessee Wildlife Resources Agency (TWRA) will be requested regarding the commitment to avoid impacts on Eastern Small-footed bats. Any demolition restrictions will be defined in the bid package.