



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

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BILL LEE
GOVERNOR

August 30, 2022

MEMORANDUM

PROJECT:	PIN 124452.00
	Humphreys County I-40 Bridges over Squeeze Bottom Lane (L.M. 6.02) and Buffalo River (L.M. 6.26)
SUBJECT:	CONSTRUCTABILITY REVIEW MEETING SUMMARY
DATE:	August 22 & 23, 2022
NOTES BY:	Blake Fulton, P.E. TDOT Construction Division

A Constructability Review meeting was held on August 22nd and 23rd, 2022 with Construction Industry Representatives, TDOT Headquarters Construction Division, TDOT Region 3 Project Development, TDOT Structures Division, and TDOT Environmental Division. The scope of the review was to integrate construction expertise early into the project development process for the I-40 bridge replacement project.

The construction plans and bridge plans were specifically reviewed as part of this meeting.

AGENDA:

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

Humphreys County – PIN 124452.00

I-40 Bridges over Squeeze Bottom Lane (L.M. 6.02) and Buffalo River (L.M. 6.26)

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ACTION ITEMS:

1. Demolition
2. Phased Construction
3. Environmental

SUMMARY:

The original bridge plans, inspection reports and geotechnical reports will be provided with the proposal documents during the letting. Regarding the Indiana beams, a note may be added stating that a VECP will not be a consideration in changing beam types. The Cantilever brackets and space between phases will be reviewed to ensure there is enough working room on the bridge. Placement of the median barrier wall, split traffic lanes and the construction joint will also be reviewed.

A note will be added to the plans to clarify that storm water run-off from the bridge must be diverted away from the Buffalo River during construction, and is the responsibility of the contractor. The Department will review the QPL for paint that can be used on the PVC drainage pipes.

The Department will seek clarification regarding what type of work the haul roads are permitted for, specifically pertaining to removal of the piers in the river and for use as crane pads while setting beams. Notes will be added to the plans clarifying the intended purpose of the cofferdams and that blasting operations will not be allowed to remove the piers in the river. TDOT Hydraulics will determine the depth of removal for the piers in the river, and the Structures Division will inquire about getting an updated report showing the river depths at each pier.

For Squeeze Bottom Lane, maintenance quantities will be considered to ensure the roadway is passable. Likewise, the Department will review to verify access is maintained for farmers in the area. The Department will check to be sure utility coordination has begun for the overhead power lines crossing the interstate.

PG76 will be used for interstate mixes, and the Department will discuss adding a retardant to the concrete mix design to slow the curing process due to distance from the producers and the project. Details regarding the emergency pull-off area shown on current sheet T4A and crossing the bifurcated area near station 280+00 will be reviewed and revised as needed.