



**STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION DIVISION
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BUTCH ELEY
DEPUTY GOVERNOR &
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BILL LEE
GOVERNOR

February 8, 2023

MEMORANDUM

PROJECT:	PIN's 123105.00 & 127492.00
	Hamilton County I-75 Interchange at Hamilton Place Blvd. (PIN 123105.00) Hamilton Place Blvd. from North Skyline Dr. to South of Bams Dr. (PIN 127492.00)
SUBJECT:	CONSTRUCTABILITY REVIEW MEETING SUMMARY
DATE:	January 24 th – 26 th , 2023
NOTES BY:	Blake Fulton, P.E. TDOT Construction Division

A Constructability Review meeting was held on January 24th, 25th and 26th, 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 I-75 interchange modification project in Hamilton County.

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

AGENDA:

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

Hamilton County

I-75 Interchange at Hamilton Place Blvd. (PIN 123105.00)

Hamilton Place Blvd. from North Skyline Dr. to South of Bams Dr. (PIN 127492.00)

February 8, 2023

ACTION ITEMS:

1. Construction Phasing
2. Bridge Construction
3. Utilities
4. Traffic Control

SUMMARY:

The Department has determined that a prestressed girder is feasible for Bridge 1 and has begun re-designing the bridge superstructure accordingly. The location of battered piles on Bridge 1 will be reviewed, and the use of drilled shafts in lieu of piling as well as pre-drilling for the piles will both be considered. The Department will also contemplate making Abutment 2 on Bridge 1 six inches thicker to eliminate the need for separate form work. The need for a temporary shoring item at Bridge 1 will be reviewed. The deck width of Bridge 3 will be re-evaluated to consider a consistent width throughout the length of the bridge. The Department will also look at skewing bents on Bridges 2 and 3 if it is determined there is not enough room for a work zone and overhang bracing. The need for a haul road to access Bridge 2 will also be looked at.

Regarding bridge repair, high-early concrete will be considered to reduce curing times. The intent of the crack sealant item will also be discussed to determine it's need.

The stormwater plans will be assessed as well as the need for a drainage structure under temporary ramp H. The load rating for the existing box culvert will be checked to ensure it is adequate for any additional loads from new or temporary construction.

More details regarding tie-in information for ramps to the existing interstate will be added to the plan set. The length of median barrier at Bridge 1 that needs to be removed for sufficient working room and access will be reviewed (either a note or an item will be added to the plans to detail how it is to be paid). Traffic control plans for installing overhead signs will be added, and locations of drainage structures along I-75 will be reviewed to ensure they are accounted in regard to the sign locations.

Additional coordination will be had between the Department and both TVA and the Hamilton Place Mall to provide additional information to bidders. The Department will also determine whether a VECF will be considered, and it will be noted in the plans should it be determined that one would not be considered. A mandatory pre-bid meeting will be scheduled for this project.