



**STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DIVISION**  
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**JOHN C. SCHROER**  
COMMISSIONER

**BILL HASLAM**  
GOVERNOR

April 25, 2018

**MEMORANDUM**

<b>PROJECT:</b>	<b>PIN 100241.02</b>
	Knox County Alcoa Highway, SR-115 (US-129) From South of Topside Road to North of Maloney Road
<b>SUBJECT:</b>	<b>CONSTRUCTABILITY REVIEW MEETING SUMMARY</b>
<b>DATE:</b>	April 4 & 5, 2018
<b>NOTES BY:</b>	Laura Larkins TDOT Construction Division

A Constructability Review meeting was held on April 4<sup>th</sup> & 5<sup>th</sup>, 2018 with Construction Industry Representatives, TDOT Structures, TDOT HQ Construction Division, and TDOT Region 1 Operations and Project Development staff. The scope of the review was to integrate construction expertise early into the project development process for the Knox county section of Alcoa Highway construction project.

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

**AGENDA:**

1. Introductions
2. Purpose: Existing Conditions
3. Project Overview: Roadway, Structures, Construction/Maintenance
4. Work Session

**ACTION ITEMS:**

1. Project Phasing

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2. Utilities
3. Railroad Coordination

**SUMMARY:**

Due to the location of Walls 7 & 7A, cofferdams will likely need to be used during construction. The Department will verify permits for the construction of Walls 7 & 7A and Bridge 3 that may be in the lake. The use of geofill is being considered for use on Walls 7 & 7A.

The preliminary structure plans for Bridge 1 were submitted to the railroad with a requested variance. The railroad denied the variance request. Structures will add a crash wall to the piers and resubmit the variance request to the railroad for approval again. Structures will also consider adding a demolition note concerning Bridge 2.

The intersection at Topside Road presented a potential concern for maintaining traffic while building Bridge 1. The Department will review the sight distance for Topside Road and will consult with Knox county personnel on a potential closure. A temporary signal item for Topside Road will be added in order to maintain traffic flow and allow for safe construction of the retaining wall.

Utilities will play a major role in the completion of the project. East TN Natural Gas will provide the Department the maximum load that can be applied to their lines. Issues with East TN Natural Gas ROW need to be resolved before the project is let. The Department will add a note that the contractor is required to submit a blasting plan to the Department, the railroad, and East TN Natural Gas.

Additional quantities for temporary pavement and stone should be added to the plans. A shoring item should be added to the plans and TDOT Operations will provide locations. The Department will add an item for sliplining pipe and camera inspection. A note will also be added that use of this item is at the discretion of the project supervisor. The Department will evaluate the need to clean out the box culverts.

The project may benefit from Utility coordination and Community Relations assistance.