



## REQUEST FOR INFORMATION

- **Contract Number: CNR048**
- **Project: Interstate 24, Bridge Replacement over Spring Street and Oldham Street**
- **Date:**
- **Question:**

1. Do you know at what depth the existing seal membrane is located in the asphalt overlay on the Silliman Evans bridge and ramp bridges?
2. If there is a considerable amount of partial and full depth deck repairs discovered after milling, then will the Department grant additional weekends for this change of scope? Or any other changes of scopes?
3. Is lane width reduction (how much?) and lane shifting allowed in an attempt to reduce the amount of deck repairs and paving on weekends?

- **TDOT Response:**

1. Please see the pavement evaluation report attached here. Disregard the note on sheet 2A of the plans not to damage the existing seal.
2. The Department will address any potential scope changes as per Sections 104 and 109 of the Standard Specifications.
3. Please refer to RFI 2 and the 108B regarding the installation of the seal. It is the intent of the TDOT Structures Division that the contractor install the seal over the entire width of the bridge between header joints during the same operation. Lane width reduction outside of the times specified in the SP108B will not be allowed.

\* Please email questions to Jamie Fitzpatrick at [Jamie.Fitzpatrick@tn.gov](mailto:Jamie.Fitzpatrick@tn.gov).



## MEMORANDUM

Date: May 9, 2016

To: Terry Mackie, PE                      Transportation Project Specialist Supervisor 2  
Structures Division | Bridge Inspection & Repair

From: Matthew Chandler, PE              Civil Engineering Manager 1  
Materials and Test Division | Field Operations

Subject: **Pavement Cores for I-24 Davidson County (Silliman Evans Bridge)**

Our office has completed an existing pavement survey of the asphalt overlay on the mainline spans of the Silliman Evans Bridge. All cores are from the rightmost lane of traffic. In general, the cores on the spans across the Cumberland River are approximately 7 inches in depth. The other spans range between 5.25 to 6.5 inches in depth. A detailed log of the cores, location map and pictures of the cores is presented in the following pages.

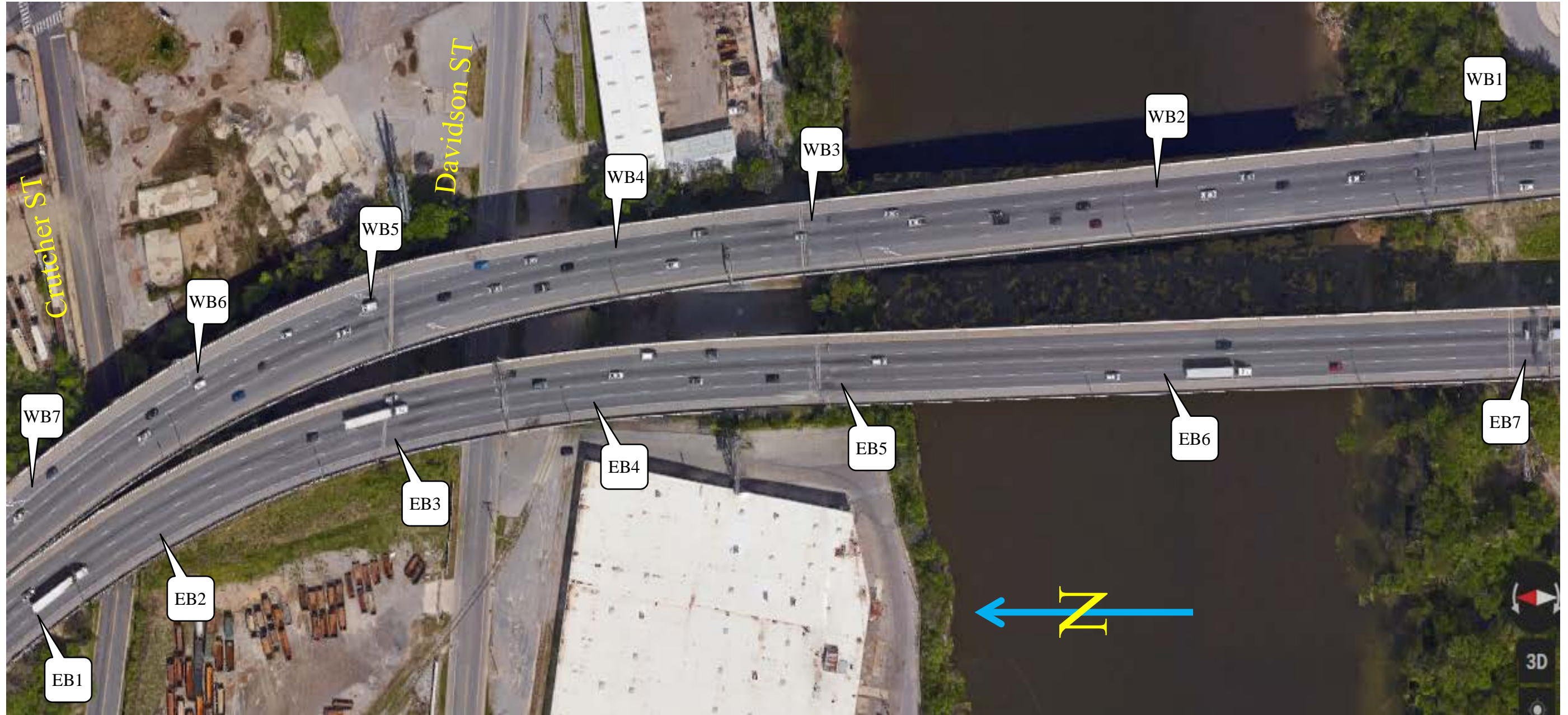
At this time, no cores have been taken on the four flyover bridges that serve as ramps between I-24 and I-40 due to the logistics of traffic control at those locations. We anticipate coring those locations in the near future once a plan between our office and the district is decided on.

If you have any questions please contact me at 615-350-4149

CC: David Layhew  
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## Silliman Evans Bridge Pavement Core Log

Core	Asphalt Depth (in)	Span	Notes
WB1	7 ¼	Cumberland River, Joint	
WB2	7 ¼	Cumberland River, Midspan	
WB3	7	Cumberland River, Joint	Core measured 5 1/4, bottom layer crumbled, depth of hole measured to approximately 7"
WB4	6 ¼	Davidson Street, Midspan	
WB5	5 ¾ *	Crutcher Street, Joint	Two attempts were made a coring this location, but both cores disintegrated after 5 inches. Depth was obtained by measuring the hole to top of concrete.
WB6	6 ¼	Crutcher Street, Midspan	
WB7	6 ¼	Crutcher Street. Bridger End	Taken at the end of the bridge rail, no apparent bridge joint on pavement.
EB1	6 ¼	Crutcher Street. Bridger End	Taken at the end of the bridge rail, no apparent bridge joint on pavement.
EB2	6 ½	Crutcher Street, Midspan	
EB3	5 ¼	Davidson Street, Joint	
EB4	5 ½	Davidson Street, midspan	
EB5	7	Cumberland River, Joint	
EB6	7	Cumberland River, midspan	
EB7	5 ½	Span leading into split	Taken under sign bridge for Interchange 50A/50B



Silliman Evans Bridge Core Locations

5/5/2016





Westbound 1



Westbound 2



Westbound 3



Westbound 4





Westbound 5

Westbound 6



Westbound 5 Hole Measure





Westbound 7



Eastbound 1



Eastbound 2



Eastbound 3





Eastbound 4



Eastbound 5



Eastbound 6



Eastbound 7