

Department of Engineering
Tim Bryan, P.E., PTOE, County Engineer

3137 South Liberty Street, Canton, MS 39046
Office (601) 855-5582 FAX (601) 859-5857

MEMORANDUM

October 2, 2024

To: Casey Brannon, Supervisor, District I
Trey Baxter, Supervisor, District II
Gerald Steen, Supervisor, District III
Karl Banks, Supervisor, District IV
Paul Griffin, Supervisor, District V

From: Tim Bryan, P.E., PTOE
County Engineer

Re: Permission to Advertise
Bridge Replacement on Rocky Hill Road

The Engineering Department requests permission to advertise for construction of a new bridge to replace the current bridge on Rocky Hill Road over Rambo Creek.

Harry Lee James, P.E.
State Aid Engineer
P.O. Box 1850
Jackson, Mississippi 39215
Phone (601) 359-7150



112 E. Woodrow Wilson Ave.
Jackson, Mississippi 39216
Fax (601) 359-7111
www.osarc.ms.gov
mail@osarc.ms.gov

October 1, 2024

Board of Supervisors
Madison County
P.O. Box 608
Canton, MS 39046-0608

RE: Bridge Closure
Structure Number: SA450000000147
Rocky Hill Road, Sec. 25, T12N, R5E B
Madison County

Members of the Board:

This letter is to inform you that the above referenced bridge site should be immediately closed within 24 hours of the date of this letter by appropriate emergency/temporary means in accordance with the Critical Finding Procedure Part 4, Page 15-4 of the *Mississippi Local System Bridge Inspection Manual*. Once this bridge is closed using these emergency/temporary means, we request that digital photographs of the closure be forwarded by email (or mail) to the County Engineer and State Aid. This information is required in the bridge files and will document the temporary closure.

After the initial emergency/temporary closure is in place, repairs may be made while the bridge is temporarily closed. The bridge must remain closed until a re-inspection is made of the repairs. Permanent closures are required to be put in place within 30 days of the date of this letter if repairs are not made. Please notify us by October 15, 2024 of the county's intentions on repairing and reopening this bridge or if it will remain closed.

Madison County
Board of Supervisors
October 1, 2024
Page 2

The Critical Finding Report is attached and may assist you in your repairs. These repairs are the County's responsibility. It may be prudent to perform additional delayed maintenance or other repairs. A re-inspection is required prior to opening the bridge and a request for reinspection shall be made to bridge@osarc.ms.gov. Until such time that this bridge is repaired or replaced, it shall remain closed.

Sincerely,

A handwritten signature in black ink, appearing to read "Harry Lee James". The signature is written in a cursive style with a large, sweeping flourish at the end.

Harry Lee James, P. E.
State Aid Engineer

HLJ/jaa
Attachments

pc: John E. McKee, Jr., P. E., County Engineer (w/ attachments)
Ronny Lott, Chancery Clerk (w/ attachments)
Jay Richardson, P.E., District Engineer (w/o attachments)
Austin Banks, P.E., FHWA Division Bridge Engineer (w/o attachments)
File

REPORT OF CRITICAL FINDINGS

COUNTY: Madison DATE: 10/1/2024

STRUCTURE NUMBER: SA450000000147

FEATURE INTERSECTED: Rambo Creek

ROAD CARRIED: Rocky Hill Road

LOCATION: SEC 25 T12N R 5E B

TEAM LEADER (Name, Organization, telephone, email): Dominick DeJohn, Stantec, (443) 791-4772,
dominick.dejohn@stantec.com

Was Critical Finding Based On Load Rating? Yes No

Critical Findings (include photos, sketches, etc):

Bent 2 Piles 1,2, and 3 have severe decay as follows:
 Pile 1 - 0.75" shell with internal rot on east face; surface decay with up to 8" depth on southeast face.

Pile 2 - East face has up to 100% section loss; south face near groundline has surface decay up to 2"H x 4"W x 2"D.

Pile 3 - 1'L x 4"W x 4"D shake on east face.

Internal rot verified by boring. See attached photos for reference.

RECOMMENDED ACTION: Immediate Closure

Recommended Repairs:

Replace Bent 2 Piles 1, 2, and 3.

Repairs Made (Include sketches photos,etc.)

Date Bridge Closed: Owner Notified? Yes No

PERSON CONTACTED (Name and Organization, time and date)
David Barrett, Office of State Aid Road Construction, 1:00pm 10/1/2024



Figure 1 - Bent 2 Pile 1 Severe surface decay up to 8"D



Figure 2 - Bent 2 Pile 1 Severe surface decay up to 8"D



Figure 3 – Bent 2 Pile 3 showing splitting on northeast face for top 1ft of pile



Figure 4 - Bent 2 Pile 3 split showing southeast face up to 4" D

DESIGN BUREAU SPECIAL DRAWING
 ALABAMA DEPARTMENT OF TRANSPORTATION
 MONTGOMERY, AL 36104-2050
 BY: BOB L. THOMAS
 CHECKED: [Signature]
 DATE: 04-27-55
 THIS DRAWING REPRESENTS DESIGNS PREPARED FOR USE BY THE ALABAMA DEPARTMENT OF TRANSPORTATION AND IS NOT TO BE COPIED, REPRODUCED, ALTERED OR USED BY ANYONE OTHER THAN THE ALABAMA DEPARTMENT OF TRANSPORTATION WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ALABAMA DEPARTMENT OF TRANSPORTATION. ANY UNAUTHORIZED USE OF THIS DRAWING MAY BE PROSECUTED TO THE FULLEST EXTENT OF THE LAW.

ALABAMA DEPARTMENT OF TRANSPORTATION
 SPECIFICATIONS--



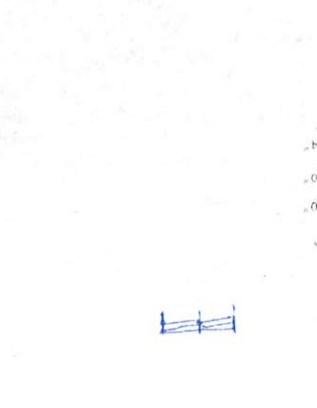
1. THE POST SHALL BE CLASS "A" TYPE 1 "K" BEAM WITH FLAT ALUMINUM PANELS 0.125" THICK, RED AND WHITE STRIPES, REFLECTORIZED WITH THE 111 SHEETING 6" IN WIDTH AT AN ANGLE OF 45° WITH THE VERTICAL.
2. THIS MARKING WAS MADE IN ORDER TO SHOW POST, BEAM GUARDRAIL, PANELS, SIGNS AND FITTINGS REQUIRED TO COMPLETE THE SIGN PANELS, SHEETS AND ALLEYS.
3. SUFFICIENT LENGTH TO GIVE FULL PROTECTION NECESSARY.
4. TYPE 1-A HAZARD MARKER SHALL BE INCLUDED IN COST OF GUARDRAILS.
5. LEAD AND/OR NO CUTLET SIGNS SHALL BE POSTED A SUFFICIENT ADVANCE DISTANCE TO PERMIT VEHICLES TO AVOID THE DEAD END. COST NOT INCLUDED WITH GUARDRAILS.
6. REFERENCE TO THE PLACEMENT OF THESE SIGNS CAN BE FOUND IN THE M.U.P.I.C.C.

GENERAL NOTES

| REV. | DATE | DESCRIPTION |
|------|------|-------------|
| 4 | AL | |

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|------|------|-------------|
| 4 | AL | |

NOTE: TYPE 1-A HAZARD MARKER IS REQUIRED FOR 4 LANE CLOSURE; BLACK 18" SQUARE ALUMINUM PLATE WITH 1/2" DIA. RED CENTRAL MOUNTED ON 1/2" DIA. RED CENTRAL MOUNT PLATE. ATTACH WITH 2 BOLTS AND NUTS WITH 2 BOLTS AND NUTS TO QUADRANT POST. HAZARD MARKER COST TO QUADRANT POST.



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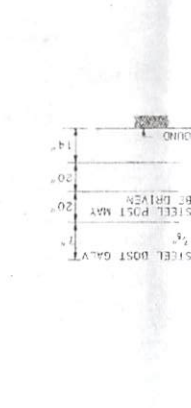
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RAIL SPLICE



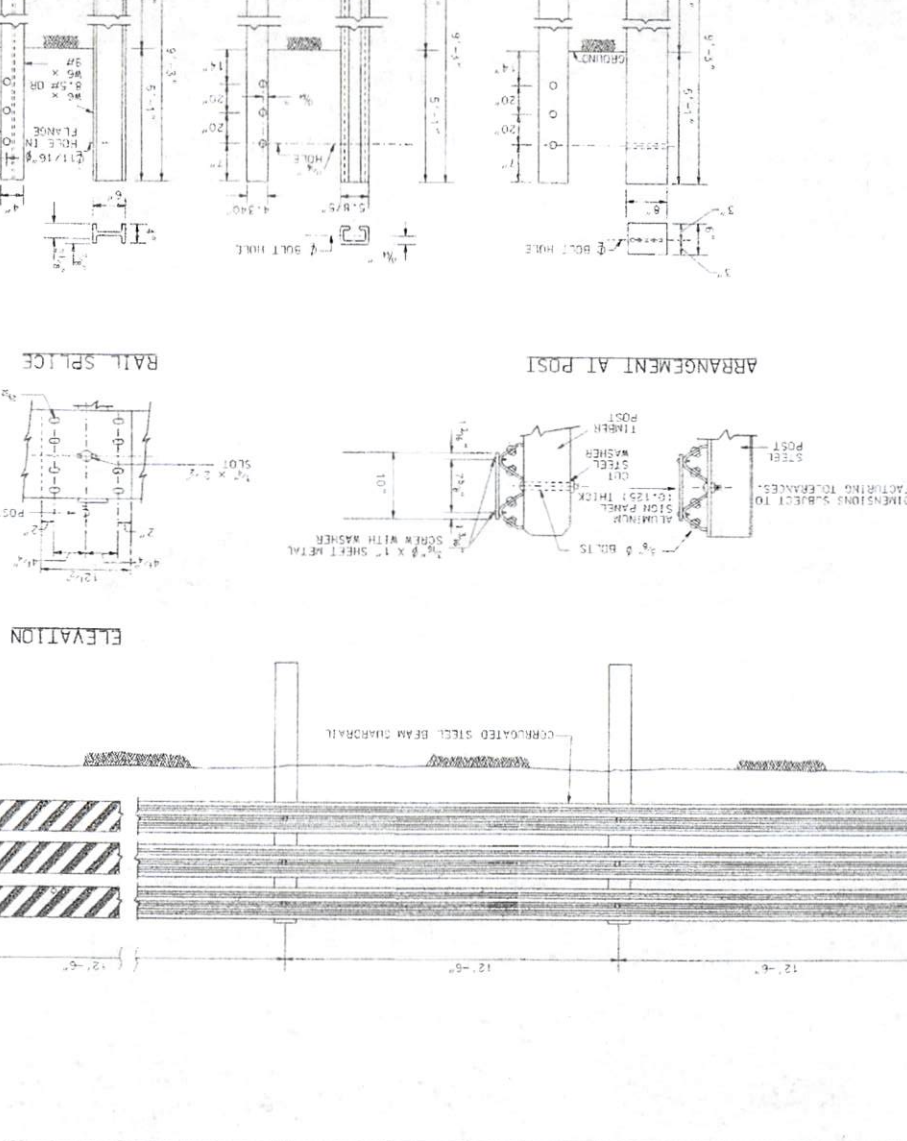
ARRANGEMENT AT POST



ARRANGEMENT AT POST



ELEVATION



NOTE: ALL DIMENSIONS SUBJECT TO MANUFACTURING TOLERANCES.

