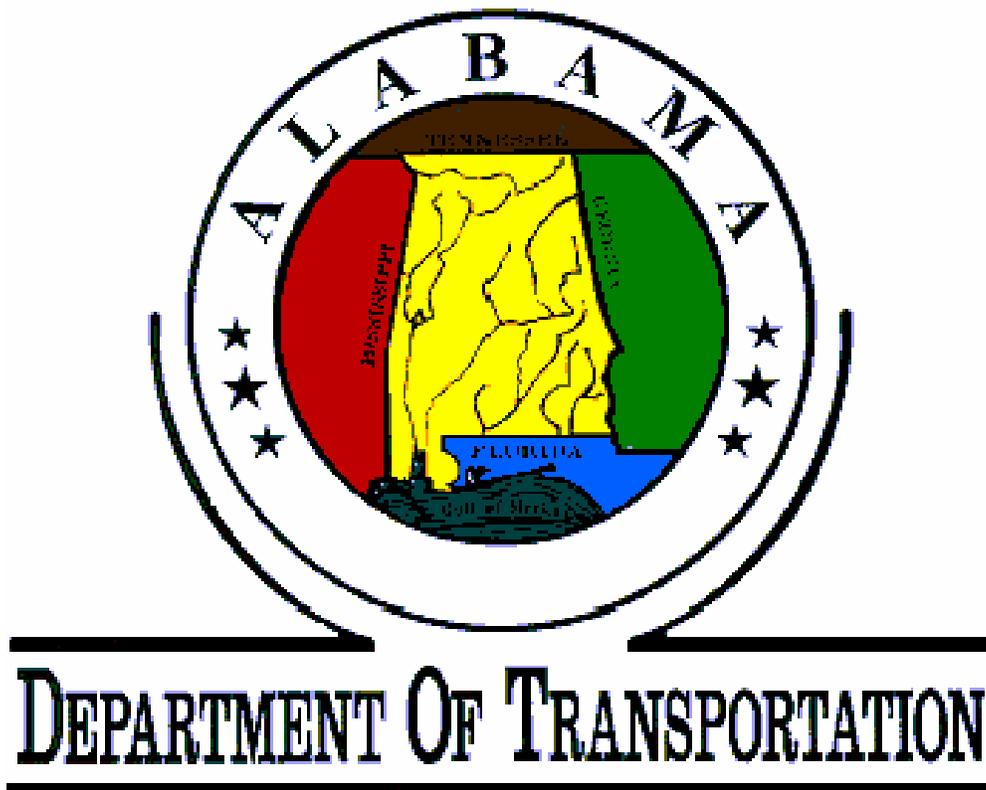


# Alabama Department of Transportation Maintenance Bureau

## 2025 Annual Bridge Inspection Refresher Course



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|                |          |       |      |
|----------------|----------|-------|------|
| Montgomery, AL | October  | 15-16 | 2025 |
| Mobile, AL     | November | 5-6   | 2025 |
| Tuscaloosa, AL | November | 19-20 | 2025 |
| Huntsville, AL | December | 10-11 | 2025 |

Handout Material



# AGENDA

| Day 1         |                            |
|---------------|----------------------------|
| 8:30 - 9:00   | Welcome & General Comments |
| 9:00 - 9:30   | Rating Update              |
| 9:30 - 10:00  | Scour Update               |
| 10:00 - 10:15 | Break                      |
| 10:15 - 11:15 | Local Transportation       |
| 11:15 - 12:00 | SNBI Exercise              |
| 12:00 - 1:30  | Lunch                      |
| 1:30 - 4:30   | Field Exercise             |

| Day 2         |  |
|---------------|--|
| 8:30 - 10:30  | Field Exercise Review                    |
| 10:30 - 10:45 | Break                                    |
| 10:45 - 12:00 | BrM - Inspections, Reports, & Dashboards |
| 12:00 - 1:30  | Lunch                                    |
| 1:30 - 2:15   | BrM & SNBI Errors                        |
| 2:15 - 2:30   | Break                                    |
| 2:30 - 3:30   | Assessment                               |
| 3:30 - 4:00   | Assessment Review                        |

## Table of Contents

|                      |       |         |
|----------------------|-------|---------|
| General Information  | ----- | pg. 1   |
| Bridge Rating        | ----- | pg. 18  |
| Scour                | ----- | pg. 44  |
| Local Transportation | ----- | pg. 97  |
| SNBI Exercise        | ----- | pg. 120 |
| BrM - Topics         | ----- | pg. 153 |
| BrM & SNBI Errors    | ----- | pg. 198 |
| ALDOT Contacts       | ----- | pg. 238 |

# 2025 Bridge Inspection Refresher Training

## (Two Day School)

### Critical Findings

1. NBI Condition Rating of 2 or less
2. Collision Damage causing Structural Distress
3. Scour and Undermining causing Structural Instability
4. Load Posting Signs not Installed
5. Hole in a Bridge Deck



# Critical Findings



11/2/2023

## Critical Findings

The NBIS requires each State to establish and document procedures to report critical findings to FHWA and to monitor actions to resolve critical findings.

Critical findings occur when the structural capacity of primary components have been seriously affected. ALDOT has divided critical findings into five main categories:

1. A bridge component has been given a NBI Condition rating of 2 or less.
2. Collision damage has seriously affected primary bridge components.
3. Severe scour and undermining have caused instability of the substructure unit.
4. A bridge requires load posting but the signs have not been installed.
5. A hole has developed in a bridge deck.

There are two timelines (24 hours and monthly) for notifying FHWA of new critical findings. The FHWA is notified by email within 24 hours of ALDOT being made aware of (1) a NHS bridge requiring a full or partial closure or (2) a NHS bridge with a Nonredundant Steel Tension Member (NSTM) receiving a NBI Condition rating of 3 or less. If either of these situations arise the owner must notify ALDOT immediately by phone and email. All other critical findings will be submitted to FHWA monthly.

# Critical Findings

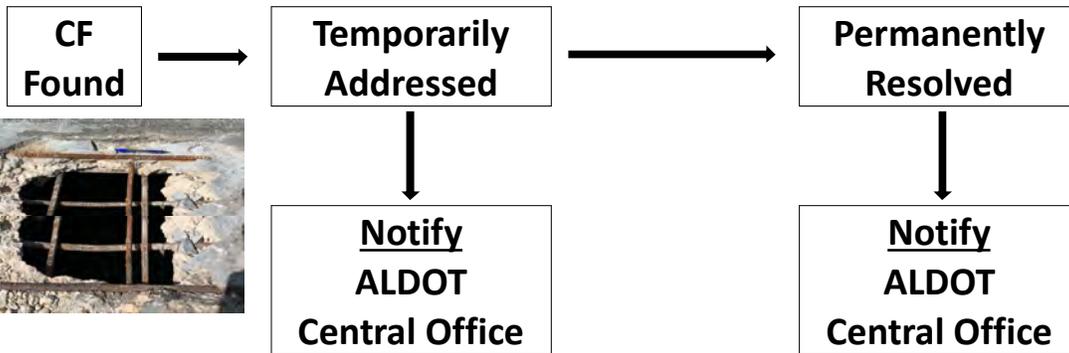


According to FHWA, critical findings are either addressed or resolved. Critical findings are addressed when the owner has taken action to alleviate public safety, such as closure, lane or load restriction, shoring, temporary repair of the bridge, or a process for monitoring. Critical findings are resolved once a permanent solution is implemented to completely mitigate the deficiencies and protect public safety. Examples include permanent repair, closure, or replacement.

The bridge owner will notify ALDOT of the critical finding and based on the situation will follow the established timeline for the five instances noted above.

1. The bridge will be closed immediately. The structure will remain closed unless a professional engineer determines the structure can be load restricted at a 3 Ton gross weight limit and inspected on a 30-day inspection cycle or less.
2. Lane(s) or the bridge will be closed immediately depending on the scope and severity of the impact damage. Repairs will begin as soon as possible based off the demands of traffic crossing the damaged bridge.
3. Lane(s) or the bridge will be closed immediately depending on the scope and severity of the scour damage. Repairs will begin as soon as possible based off the demands of traffic crossing the damaged bridge.
4. Load posting signs will be installed within 30 days of the structure being load rated.
5. Lane(s) or the bridge will be closed immediately depending on the location and severity of the hole in the bridge deck. If feasible, the hole will be covered with a steel plate as soon as possible otherwise the lane(s) or the bridge will remain closed until the deck can be permanently repaired. Repairs will begin as soon as possible based off the demands of traffic crossing the damaged bridge.

# Critical Findings



# Critical Findings



At the start of each month the bridge owner will be contacted by ALDOT about any unresolved critical findings. The owner will provide an update with the completion date or estimated date for the critical finding to be resolved. All correspondence should be routed to the Maintenance Bureau (State owner), Local Transportation Bureau (County owner), or the local Area Bridge Operations Manager (City owner).

Most likely to be forgotten:

5. Hole in a Bridge Deck



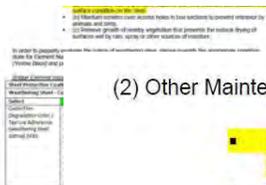


# Uncoated Weathering Steel



## Uncoated Weathering Steel Bridges

Please place in the front of the bridge file and reference before performing the bridge inspection to help ensure uncoated weathering steel members reach their intended service life. All weathering steel should be given a Steel Protective Coating (Element Number – 515) quantity and divided appropriately into the corresponding Condition State for Weathering Steel Patina (Defect 3430).



### (2) Other Maintenance

- (a) Remove dirt, debris and other deposits that hold moisture and maintain a wet surface condition on the steel.
- (b) Maintain screens over access holes in box sections to prevent entrance by animals and birds.
- (c) Remove growth of nearby vegetation that prevents the natural drying of surfaces wet by rain, spray or other sources of moisture.

# Uncoated Weathering Steel



In order to properly evaluate the patina of weathering steel, please quantify the appropriate condition state for Element Number 515 (Steel Protective Coating) by use of the *Bridge Element Inspection Manual (Yellow Book)* and pictures / documentation from the *Bridge Inspector's Reference Manual (BIRM)*.

### Bridge Element Inspection Manual (Yellow Book)

| Steel Protective Coating (Element Number – 515)   |  |                   |   |  |
|---|--|-------------------|---|--|
| Weathering Steel - Condition State Definitions  |  |                   |   |  |
| Defect  | CS 1 - Good  | CS 2 - Fair       | CS 3 - Poor                               | CS 4 - Severe  |
| Oxide Film<br>Degradation Color /<br>Texture Adherence<br>(weathering steel<br>patina) 3430 | Yellow-orange or light brown for early development.<br>Chocolate-brown to purple-brown for fully developed.<br>Tightly adhered, capable of withstanding hammering or vigorous wire brushing. | Granular texture. | Small flakes, less than 1/2 in. diameter. | Dark black color.<br>Large flakes, 1/2 in. diameter or greater or laminar sheets or nodules. |

# NSTM Inspection Procedures



**Nonredundant Steel Tension Member (NSTM)\* Inspection Procedures**  
**Construction Type: Two Girder / Floorbeam (Floor Truss) System**  
*\*Formerly known as Fracture Critical Member (FCM)*

Please place this inspection procedure on top of the most recent BI-5 inspection report and reference before each NSTM inspection. Pair this document with the sketch, plan set, photo, etc., clearly identifying the Nonredundant Steel Tension Members. Each NSTM bridge will have a construction specific inspection procedure with slight modifications in the sections calling out the fatigue categories (page 3-6) and fabrication flaws (7-10). For example, the procedure for a truss will not match the procedure for a two girder / floorbeam (floor truss) system.

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Fabrication Flaws (Pages 7-10)

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# Element Inspection



## Defect Efflorescence / Rust Staining (1120)

|     |   |                                    |     |
|-----|---|------------------------------------|-----|
| OLD | CS 2<br>FAIR  | CS 3<br>POOR                       | OLD |
|     | Surface white without build-up or leaching without rust staining. | Heavy build-up with rust staining. |     |
| NEW | CS 2<br>FAIR  | CS 3<br>POOR                       | NEW |
|     | Efflorescence without rust staining.                              | Efflorescence with rust staining.  |     |

# Element Inspection

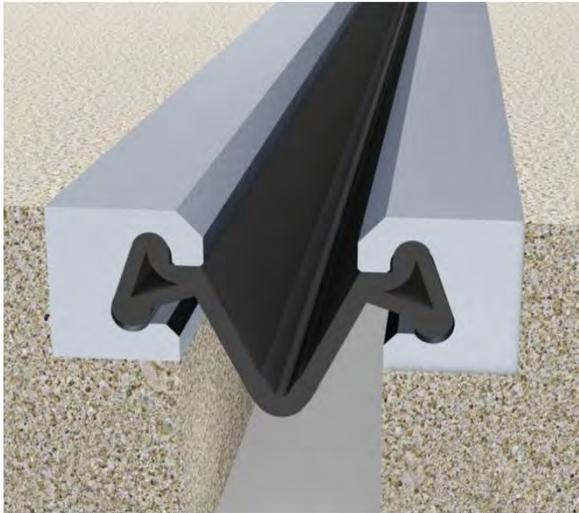


|                       |             |                                    |
|-----------------------|-------------|------------------------------------|
| Joints Element Number | 300         | Strip Seal Joint                   |
|                       | 301         | Pourable Joint Seal                |
|                       | 301A        | Poured-In-Place Plug Joint System* |
|                       | 302         | Compression Joint Seal             |
|                       | 302A        | Bonded Preformed Joint Seal*       |
|                       | 302B        | Bonded Foam Joint Seal*            |
|                       | 303         | Assembly Joint with Seal           |
|                       | 303A        | Segmental Joint System*            |
|                       | 303B        | Modular Joint System*              |
|                       | 304         | Open Joint                         |
|                       | 305         | Assembly Joint without Seal        |
|                       | 305A        | Sliding Plate Joint Assembly*      |
|                       | 305B        | Finger (Tooth) Joint Assembly*     |
| 306                   | Other Joint |                                    |

\*New Element

Units = Length, feet

Element Inspection



300 Strip Seal Joint

Element Inspection



301 Pourable Joint Seal

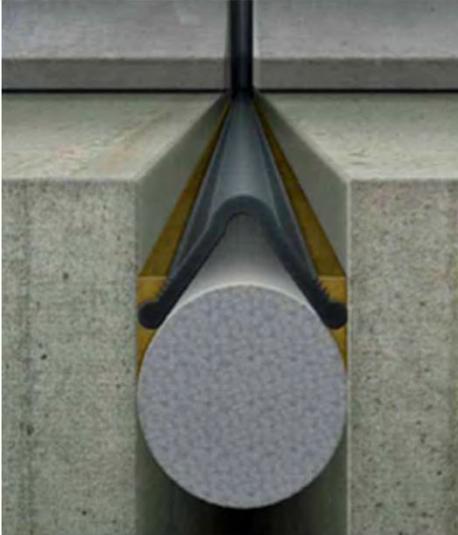
301A Poured-In-Place Plug Joint System



302 Compression Joint Seal



## Element Inspection

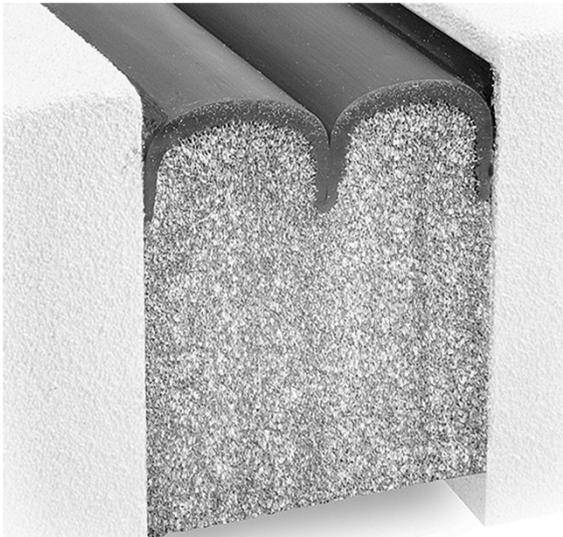


302A Bonded Preformed Joint Seal

Material – Elastomeric or Silicone

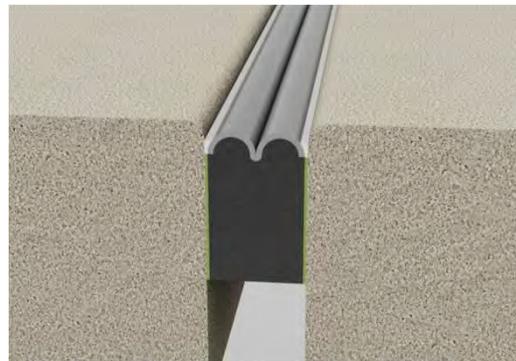


## Element Inspection



302B Bonded Foam Joint Seal

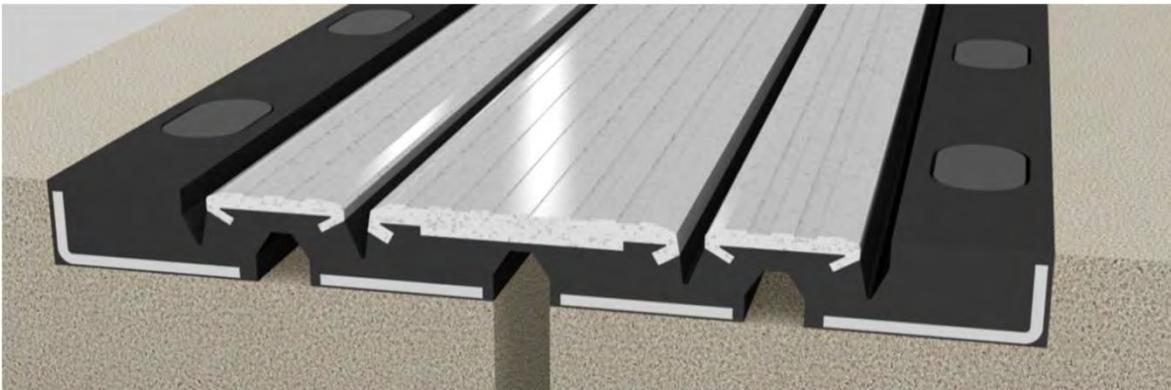
Material - Foam



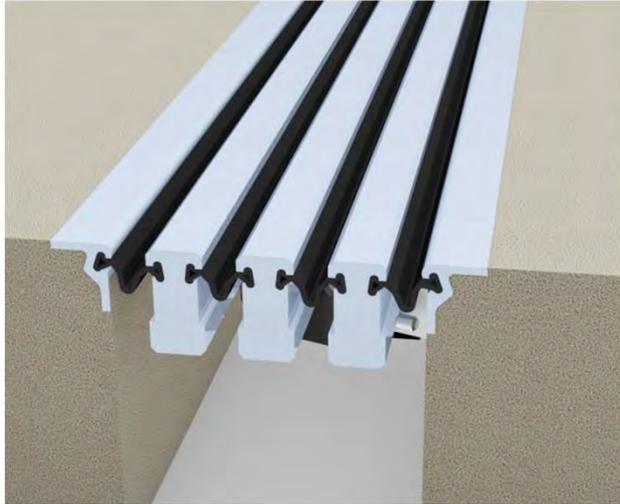
303 Assembly Joint with Seal

Note: This element is intended to encompass all other assembly joints with seals that are not covered by elements 303A and 303B.

303A Segmental Joint System



Element Inspection



303B Modular Joint Assembly

Element Inspection

304 Open Joint



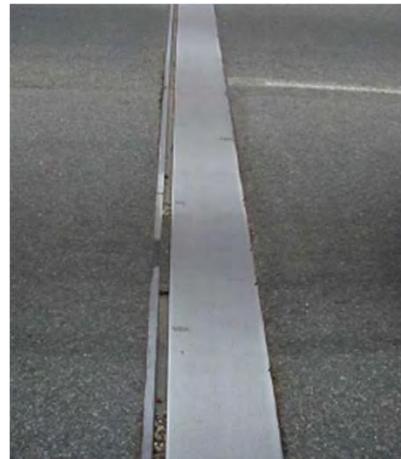
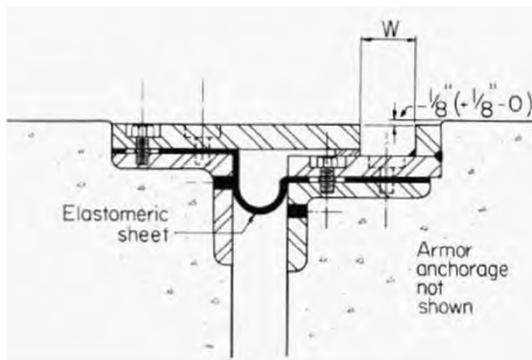
## Element Inspection



### 305 Assembly Joint Without Seal

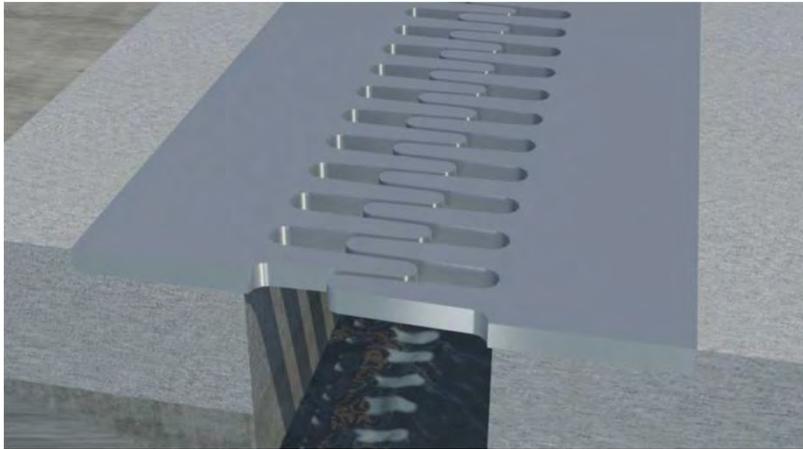
Note: This element is intended for joints designed as open joints, not for those joints that were designed to have a seal that is currently missing. This element is intended to encompass all other assembly joints without seals that are not described by elements 305A or 305B.

## Element Inspection



305A Sliding Plate Joint Assembly

# Element Inspection



Note: Finger joint may or may not have a drainage trough system.

305B Finger (Tooth) Joint Assembly

# Inspection



| Defect             | Steel - Condition State Definitions                 |   |   |  |
|--------------------|---|---|---|--|
|                    | CS 1 - Good   | CS 2 - Fair   | CS 3 - Poor   | CS 4 - Severe  |
| Corrosion<br>1000  | None.   | Freckled Rust. Corrosion of the steel has initiated.  | Section loss is evident or pack rust is present but does not warrant structural review.   |  |
| Cracking<br>1010   | None.   | Crack that has self arrested or has been arrested with effective arrest holes, doubling plates, or similar.   | Identified crack exists that is not arrested but does not warrant structural review.  |  |
| Connection<br>1020 | Connection is in place and functioning as intended. | Loose fasteners or pack rust without distortion is present but the connection is in place and functioning as intended.                                      | Missing bolts, rivets, broken welds, fasteners or pack rust with distortion but does not warrant a structural review.                                       | The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge. |
| Distortion<br>1900 | None.   | Distortion not requiring mitigation or mitigated distortion.  | Distortion that requires mitigation that has not been addressed but does not warrant structural review.   |  |
| Settlement<br>4000 | None.   | Exists within tolerable limits or arrested with no observed structural distress.  | Exceeds tolerable limits but does not warrant structural review.  |  |
| Scour<br>6000      | None.   | Exists within tolerable limits or has been arrested with effective countermeasures.   | Exceeds tolerable limits, but is less than the critical limits determined by scour evaluation and does not warrant structural review.                       |  |
| Damage<br>7000     | Not applicable.                                     | The element has impact damage. The specific damage caused by the impact has been captured in condition state 2 under the appropriate material defect entry. | The element has impact damage. The specific damage caused by the impact has been captured in condition state 3 under the appropriate material defect entry. | The element has impact damage. The specific damage caused by the impact has been captured in condition state 4 under the appropriate material defect entry.  |

The condition warrants a structural review to determine the effect on strength or serviceability of the element or bridge; OR a structural review has been completed and the defects impact strength or serviceability of the element or bridge.

## Inspection



Element Condition States should be consistent with  
NBI Condition Grades

- CS 1 (Good)  → NBI 9, 8, 7 (Good) 
- CS 2 (Fair)  → NBI 6 (Fair) 
- CS 3 (Poor)  → NBI 5 (Fair) 
- CS 4 (Severe)  → NBI 4, 3, 2, 1, 0 (Poor)   
Load Carrying Capacity has been affected

## Bridge Terms



A Structurally Deficient (Poor) bridge has defects that affect the strength and/or performance of the structure; however, the bridge is still able to carry traffic safely.

These defects are monitored on a more frequent basis than bridges not graded structurally deficient to ensure safety has not been impacted.

As the defect worsens with time, further action may be taken such as repair work, load posting restriction, or ultimately bridge closure.

## SNBI Schedule



| <b>Time</b>                                | <b>Action</b>   |
|--|---|
| ✓ October – December 2024<br>November 2024 | Train Bridge Inspectors<br>AASHTOWare BrM 7.0 Updated for SNBI    |
| ✓ March 2025                               | FHWA Data Submittal<br>Inspectors Entering SNBI Data into BrM 7.0 |
| 2025, 2026, & 2027                         | Transitional Period   |
| March 2028                                 | FHWA Data Submittal Entirely SNBI                                 |

## Questions?



**Daniel D. Jones**  
Deputy State Maintenance Engineer,  
Bridge Operations

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Maintenance Bureau  
1409 Coliseum Boulevard  
Montgomery, AL 36110

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(334) 242-6281  
[jonesdan@dot.state.al.us](mailto:jonesdan@dot.state.al.us)

# Bridge Rating and Load Testing

## Maintenance Bureau

2025 Bridge Inspection Refresher Course

Mike Wall, P.E.



## Outline

- New Bridges
- Rating Result Sheet
- Load Posting Status
- Posting Sign Pictures & Bridge Posting Report
- Advanced Warning Signs
- Submitting Rating Information
- Guidelines for Operation
- Notifications
- EBIT Request Form





# Rating Result Sheet

## General Notes

|  |   |   |   |   |   |       |   |   |   |   |   |
|--|---|---|---|---|---|-------|---|---|---|---|---|
| <b>STRUCTURE RATING RESULT SHEET</b>                       |   |   |   |   |   |       |   |   |   |   |   |
| Alabama Department of Transportation<br>Maintenance Bureau |   |   |   |   |   |       |   |   |   |   |   |
| ATTENTION: Autauga County Engineer's Office                |   |   |   |   |   |       |   |   |   |   |   |
| FORWARD:   |   |   |   |   |   |       |   |   |   |   |   |
| STR  | 0 | 0 | 0 | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 |
| BR   | 0 | 0 | 0 | 0 | 0 | 0     | 0 | 0 | 0 | 0 | 0 |
| COUNTY: Montgomery   |   |   |   |   |   | CITY: |   |   |   |   |   |

### GENERAL NOTES

Erect new posting signs at the structure with the vehicle weights shown on the back of this form.

Erect warning signs as needed.

After signs are in place: In BrM create a new Load Posting Status and code B.PS.01 to "Weight" then code B.EP.03 and B.EP.04 for each posting value on the sign.

Gives directions to the bridge owner on what to do with the posting signs at that structure and how to code the Load Posting Status in BrM

Alabama Department of Transportation  
Maintenance Bureau - Bridge Rating and Load Testing  
515 Traffic Operations Drive  
Montgomery, AL 36110  
Fax - (334) 242-6851  
Thank you for your cooperation.  
If you have any questions, please call the Bridge Rating and Load Testing office at (334) 242-6500.

Michael Wood 09/15/25  
Rating Engineer Date



# Rating Result Sheet

## BrM Update

|  |   |   |  |   |   |       |  |   |   |   |   |
|--|---|---|--|---|---|-------|--|---|---|---|---|
| <b>STRUCTURE RATING RESULT SHEET</b>                       |   |   |  |   |   |       |  |   |   |   |   |
| Alabama Department of Transportation<br>Maintenance Bureau |   |   |  |   |   |       |  |   |   |   |   |
| ATTENTION: Autauga County Engineer's Office                |   |   |  |   |   |       |  |   |   |   |   |
| FORWARD:   |   |   |  |   |   |       |  |   |   |   |   |
| STR  | 0 | 0 | 0  | 0 | 0 | 0     | 0  | 0 | 0 | 0 | 0 |
| BR   | 0 | 0 | 0  | 0 | 0 | 0     | 0  | 0 | 0 | 0 | 0 |
| COUNTY: Montgomery   |   |   |  |   |   | CITY: |  |   |   |   |   |
| BrM UPDATE   |   |   | RATING RESULTS                                     |   |   |       | SIGN ORDERING INFORMATION                    |   |   |   |   |
| CHANGE LOAD POSTING STATUS (B.PS.01) TO:                   |   |   | Operating Load Rating Factor (B.LR.05) <b>1.33</b> |   |   |       | OPERATION NO. 0000000000                     |   |   |   |   |
| P - Permanent P - Weight                                   |   |   | Inventory Load Rating Factor (B.LR.05) <b>1.00</b> |   |   |       | 7 WHEEL TRAILER 30 X 54 10001-0000303        |   |   |   |   |
| ALDOT Posting Status                                       |   |   |  |   |   |       | 24 X 48 10001-0000411                        |   |   |   |   |
|  |   |   |  |   |   |       | EMERGENCY VEHICLE SIGN 30 X 30 10001-0000350 |   |   |   |   |
|  |   |   |  |   |   |       | EMERGENCY VEHICLE SIGN 30 X 36 10001-0000548 |   |   |   |   |

### BrM UPDATE

CHANGE LOAD POSTING STATUS (B.PS.01) TO:

**P - Permanent**      **P - Weight**

Shows what B.PS.01 should be changed to after posting signs have been erected, changed, or removed

Bridges must be posted within 30 days of the date on this form. Once posting signs have been erected / changed send pictures to the Bridge Rating and Load Testing office.

E-mail - walm@dot.state.al.us  
Mail - Alabama Department of Transportation  
Maintenance Bureau - Bridge Rating and Load Testing  
515 Traffic Operations Drive  
Montgomery, AL 36110  
Fax - (334) 242-6851  
Thank you for your cooperation.  
If you have any questions, please call the Bridge Rating and Load Testing office at (334) 242-6500.

Michael Wood 09/15/25  
Rating Engineer Date







# Rating Result Sheet

## Gross Option

R12-1



| STRUCTURE RATING RESULT SHEET - POSTING OPTIONS   |  |
|---|--|
| <b>SILHOUETTE OPTION</b><br>R12-5 + R12-7aP<br><p>WEIGHT LIMIT</p> <p>T</p> <p>T</p> <p>28 T</p> <p>27 T</p> <p>T</p> <p>T</p> <p>T</p> <p>GROSS WEIGHT</p> <p>R12-5</p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p> <p>R12-7aP</p> | <b>GROSS OPTION</b><br>R12-1 + R12-7aP*<br><p>WEIGHT LIMIT</p> <p>27 TONS</p> <p>R12-1</p> <p><small>Sign R12-1 should be based on the lowest gross weight limit of all posting vehicles excluding the emergency vehicles.</small></p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p> <p>R12-7aP</p> <p><small>*Sign R12-7aP is optional only if the gross weight limit of sign R12-1 is less than or equal to 15 tons.</small></p> |
| <b>EMERGENCY VEHICLE ONLY OPTION</b><br>R12-7**<br><p>EMERGENCY VEHICLE</p> <p>WEIGHT LIMIT</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p> <p>R12-7</p> <p><small>**Sign R12-7 to be used when only the Emergency Vehicles require posting.</small></p>      |  |
| Posting is not required if the tonnage is not shown.  |  |

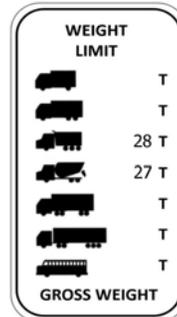
- Posting is not required if the tonnage is not shown



# Rating Result Sheet

## Silhouette Option

R12-5 + R12-7aP



| STRUCTURE RATING RESULT SHEET - POSTING OPTIONS  |   |
|--|---|
| <b>SILHOUETTE OPTION</b><br>R12-5 + R12-7aP<br><p>WEIGHT LIMIT</p> <p>T</p> <p>T</p> <p>28 T</p> <p>27 T</p> <p>T</p> <p>T</p> <p>T</p> <p>GROSS WEIGHT</p> <p>R12-5</p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE 14 T</p> <p>TANDEM 20 T</p> <p>GROSS 24 T</p> <p>R12-7aP</p> | <b>GROSS OPTION</b><br>R12-1 + R12-7aP*<br><p>WEIGHT LIMIT</p> <p>27 TONS</p> <p>R12-1</p> <p><small>Sign R12-1 should be based on the lowest gross weight limit of all posting vehicles excluding the emergency vehicles.</small></p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE 14 T</p> <p>TANDEM 20 T</p> <p>GROSS 24 T</p> <p>R12-7aP</p> <p><small>*Sign R12-7aP is optional only if the gross weight limit of sign R12-1 is less than or equal to 15 tons.</small></p> |
| <b>EMERGENCY VEHICLE ONLY OPTION</b><br>R12-7**<br><p>EMERGENCY VEHICLE</p> <p>WEIGHT LIMIT</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p> <p>R12-7</p> <p><small>**Sign R12-7 to be used when only the Emergency Vehicles require posting.</small></p>               |   |
| Posting is not required if the tonnage is not shown.   |   |

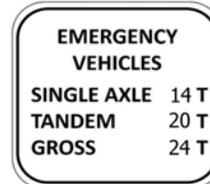


# Rating Result Sheet

| STRUCTURE RATING RESULT SHEET - POSTING OPTIONS  |  |
|--|--|
| <b>SILHOUETTE OPTION</b><br>R12-5 + R12-7aP<br><br>WEIGHT LIMIT<br> T<br> 28 T<br> 27 T<br> T<br> T<br> T<br>GROSS WEIGHT<br><br>R12-5<br><br>EMERGENCY VEHICLES<br>SINGLE AXLE 14 T<br>TANDEM 20 T<br>GROSS 24 T<br><br>R12-7aP | <b>GROSS OPTION</b><br>R12-1 + R12-7aP*<br><br>WEIGHT LIMIT<br>27 TONS<br><br>R12-1<br>Sign R12-1 should be based on the lowest gross weight limit of all posting vehicles excluding the emergency vehicles.<br><br>EMERGENCY VEHICLES<br>SINGLE AXLE 14 T<br>TANDEM 20 T<br>GROSS 24 T<br><br>R12-7aP<br>*Sign R12-7aP is optional only if the gross weight limit of sign R12-1 is less than or equal to 15 tons. |
| <b>EMERGENCY VEHICLE ONLY OPTION</b><br>R12-7**<br><br>EMERGENCY VEHICLE WEIGHT LIMIT<br>SINGLE AXLE T<br>TANDEM T<br>GROSS T<br><br>R12-7<br>**Sign R12-7 to be used when only the Emergency Vehicles require posting.  |  |
| Posting is not required if the tonnage is not shown.   |  |

## Gross Option

R12-1 + R12-7aP



- If the gross weight limit of R12-1 sign is 15 tons or less the R12-7aP is optional



# Rating Result Sheet

| STRUCTURE RATING RESULT SHEET - POSTING OPTIONS   |  |
|---|--|
| <b>SILHOUETTE OPTION</b><br>R12-5 + R12-7aP<br><br>WEIGHT LIMIT<br> 15 T<br> 21 T<br> 25 T<br> 23 T<br> 30 T<br> 31 T<br> T<br>GROSS WEIGHT<br><br>R12-5<br><br>EMERGENCY VEHICLES<br>SINGLE AXLE 10 T<br>TANDEM 14 T<br>GROSS 17 T<br><br>R12-7aP | <b>GROSS OPTION</b><br>R12-1 + R12-7aP*<br><br>WEIGHT LIMIT<br>15 TONS<br><br>R12-1<br>Sign R12-1 should be based on the lowest gross weight limit of all posting vehicles excluding the emergency vehicles.<br><br>EMERGENCY VEHICLES<br>SINGLE AXLE 10 T<br>TANDEM 14 T<br>GROSS 17 T<br><br>R12-7aP<br>*Sign R12-7aP is optional only if the gross weight limit of sign R12-1 is less than or equal to 15 tons. |
| <b>EMERGENCY VEHICLE ONLY OPTION</b><br>R12-7**<br><br>EMERGENCY VEHICLE WEIGHT LIMIT<br>SINGLE AXLE T<br>TANDEM T<br>GROSS T<br><br>R12-7<br>**Sign R12-7 to be used when only the Emergency Vehicles require posting.   |  |
| Posting is not required if the tonnage is not shown.  |  |

## Gross Option

R12-1



- If the gross weight limit of sign R12-1 is 15 tons or less the R12-7aP is optional



# Rating Result Sheet

## Emergency Vehicle Only Option

R12-7



| STRUCTURE RATING RESULT SHEET - POSTING OPTIONS  |   |
|--|---|
| SILHOUETTE OPTION<br>R12-5 + R12-7aP   | GROSS OPTION<br>R12-1 + R12-7aP*  |
| <p>WEIGHT LIMIT</p> <p>GROSS WEIGHT</p> <p>R12-5</p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p>   | <p>WEIGHT LIMIT</p> <p>TONS</p> <p>R12-1</p> <p><small>Sign R12-1 should be based on the lowest gross weight limit of all posting vehicles excluding the emergency vehicles.</small></p> <p>EMERGENCY VEHICLES</p> <p>SINGLE AXLE T</p> <p>TANDEM T</p> <p>GROSS T</p> <p>R12-7aP</p> <p><small>* Sign R12-7aP is optional only if the gross weight limit of sign R12-1 is less than or equal to 15 tons.</small></p> |
| <p>EMERGENCY VEHICLE ONLY OPTION<br/>R12-7**</p> <p>EMERGENCY VEHICLE WEIGHT LIMIT</p> <p>SINGLE AXLE 17 T</p> <p>TANDEM 30 T</p> <p>GROSS 42 T</p> <p>R12-7</p> <p><small>** Sign R12-7 is to be used when only the Emergency Vehicles require posting.</small></p> <p>Posting is not required if the tonnage is not shown.</p> |   |

R12-7 is only used when just the Emergency Vehicles require posting



# Rating Result Sheet

## EV Signs

- The Fire Apparatus Manufacturers Association publishes the "Emergency Vehicle Size and Weight Guide"
- The smallest/lightest EV listed in this guide is shown below

Commercial Chassis Pumper – Single Rear Axle

- Front minimum GAWR: 6 tons
- Rear minimum GAWR (single axle): 10.5 tons
- Minimum gross vehicle weight = **16.5 tons**

Therefore, posting EV's is not necessary when the bridge is gross load posted for 15 tons or less



## Load Posting Status

### Reasons to update B.PS.01

- New posting signs are erected
- Posting signs are changed
- Posting signs are removed
- Posting signs are missing
- Bridge is opened
- Bridge is closed

**ALDOT**

## Load Posting Status

- Load Posting Status keeps a history of the structure's posting status
- Do not modify or remove existing entries

**ALDOT**

# Load Posting Status

## Updating (B.PS.01) for a New Posting Sign

- Navigate to Bridges-Load Ratings- Load Posting Status
- Enter BIN to pull up bridge record.
- Click Add New

Bridge  
001640

Search Export

Add New

| Posting Status Change Date (B.PS.02) ↓ | Open/Posted/Closed ↑↓ | Permanent/Temp/Supported ↑↓ | Load Posting Status (B.PS.01) ↑↓ |
|--|-----------------------|-----------------------------|----------------------------------|
| 4/4/2025                               | Needs Action          | Permanent                   | PA                               |

<< < 1 > >> 1 - 1 of 1 15

ALDOT

# Load Posting Status

## Updating (B.PS.01) for a New Posting Sign

- Enter date the posting signs were erected
- Choose Weight
- Choose Permanent (with rare exceptions)
- Click Save

Load Posting Status & Values

Posting Status Change Date (B.PS.02) \*  
08 / 08 / 2025

Open/Posted/Closed \*  
Weight

Permanent/Temp/Supported \*  
Permanent

Load Posting Status (B.PS.01)  
PP

Save Save & Close Cancel

ALDOT

# Load Posting Status

## Updating (B.PS.01) for a New Posting Sign

Load Posting Status & Values

Posting Status Change Date (B.PS.02) \*  
08 / 08 / 2025

Open/Posted/Closed \*  
Weight

Permanent/Temp/Supported \*  
Permanent

Load Posting Status (B.PS.01)  
PP

Load Posting Status & Signs

Text of Load Posting Signs

Sign Type [v] Posting Type (B.EP.03) [v] Posting Value (B.EP.04) [v] **Add New**

No records to display.

<< < > >> 0 of 0 15

Save Save & Close Cancel Delete Bridge Load Posting Status

- Vehicle weights need to be added
- Click Add New to add the first vehicle



# Load Posting Status

## Updating (B.PS.01) for a New Posting Sign

- Choose the posting vehicle
- Enter the Posting Value exactly as shown on the sign (numbers only)
- Click Save
- Bottom row shows last rating for that vehicle
- Do these steps for each vehicle on the sign

Create Load Posting Status Sign

Sign Type \*  
1) H-TRUCK

Posting Type (B.EP.03)  
Truck Load

Posting Value (B.EP.04) \*  
17

| Vehicle (B.EP.01) [v] | Rating Factor (B.EP.02) [v] | Tons [v] |
|-----------------------|-----------------------------|----------|
| H-TRUCK               | 0.89                        | 17.80    |

Save Cancel



# Load Posting Status

## Updating (B.PS.01) for a New Posting Sign

- Emergency Vehicle posting values will not match values in BrM
- Enter EV's as shown on the rating result sheet/posting signs

Create Load Posting Status Sign

Sign Type \*  
 8) EV2 - Single

Posting Type (B.EP.03)  
 Truck Load

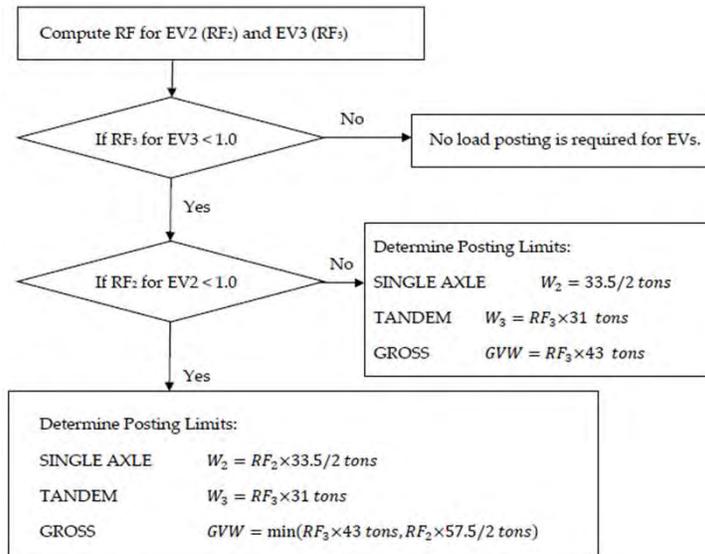
Posting Value (B.EP.04) \*  
 14

| Vehicle (B.EP.01) ↑             | Rating Factor (B.EP.02) ↑↓ | Tons ↓ |
|---------------------------------|----------------------------|--------|
| FHWA Type EV2 emergency vehicle | 0.85                       | 24.44  |

Save Cancel



# Load Posting Status



FAST Act EV Posting Value Flowchart



## Load Posting Status

### Updating (B.PS.01) for a New Posting Sign

| Sign Type ↑     | Posting Type (B.EP.03) ↑↓ | Posting Value (B.EP.04) ↑↓ |   |
|-----------------|---------------------------|----------------------------|---|
| 1) H-TRUCK      | Truck Load                | 17                         |   |
| 2) TWO-AXLE     | Truck Load                | 27                         |   |
| 3) TRI-AXLE     | Truck Load                | 25                         |   |
| 4) CONCRETE     | Truck Load                | 24                         |   |
| 6) SIX-AXLE     | Truck Load                | 40                         |   |
| 8) EV2 - Single | Truck Load                | 14                         |   |
| 9) EV3 - Tandem | Truck Load                | 18                         |   |
| 10) EV Gross    | Truck Load                | 24                         |   |



- Final result must have the same values as the posting signs
- Click Save & Close to preserve your work and return to the Load Posting Status screen



## Load Posting Status

### Updating (B.PS.01) for a Closed Bridge

- Enter BIN to pull up bridge record.
- Click Add New

Bridge  
000862

Search Export

Add New

| Posting Status Change Date (B.PS.02) ↓↑ | Open/Posted/Closed ↓↑ | Permanent/Temp/Supported ↓↑ | Load Posting Status (B.PS.01) ↓↑ |
|---|-----------------------|-----------------------------|----------------------------------|
| 7/1/2000                                | Weight                | Permanent                   | PP                               |

« < 1 > » 1 - 1 of 1 15 ▼



## Load Posting Status

### Updating (B.PS.01) for a Closed Bridge

- Enter date the bridge was closed
- Choose Closed
- Click Save

Load Posting Status & Values

Posting Status Change Date (B.PS.02) \*

08 / 08 / 2025

Open/Posted/Closed \*

Closed

Load Posting Status (B.PS.01)

C

Save Save & Close Cancel

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## Posting Sign Pictures

Please send pictures to the Bridge Rating office when posting signs have been erected or changed.

**All bridges must be posted within 30 days**

Alabama Department of Transportation  
Maintenance Bureau  
Bridge Rating & Load Testing  
515 Traffic Operations Drive  
Montgomery, AL 36110

Fax: (334) 242-6851

Email: Mike Wall – wallm@dot.state.al.us



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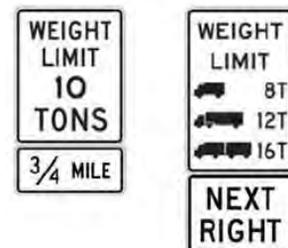
## Bridge Posting Report

- The Bridge Posting Report shows the posting recommendations from the Bridge Rating and Load Testing office
- Currently unavailable in BrM 7, but is under development

ALDOT

## Advanced Warning Signs

- MUTCD Section 2B.64 Paragraph 14: An additional weight limit sign, with an advisory distance or directional legend, shall be located in advance of the applicable section of highway or structure so that prohibited vehicles can detour or turn around prior to the limit zone.
- Compliance date: January 2029



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## Submitting Rating Information

- Bridges  
Rating Data Sheets **or** Plans
- Culverts  
Rating Data Sheets **and** Plans

**ALDOT**

## Submitting Rating Information

- Fill out new data sheets with every request
- Send a complete set
- Include any known Project Numbers
- Include contact information such as name and phone number at the top of the first sheet
- Please be careful when filling out rating data sheets to not blindly copy information from BrM or previous data sheets

**ALDOT**

## Submitting Rating Information

A complete set of data sheets includes the following:

- Front sheet with deck details, curbs, rails, overlay (measurements are required)
- Cross section for each unique span (girder dimensions and spacing between girders)
- Span definitions-lengths of spans and support locations
- Deck geometry (skews)

**ALDOT**

## Submitting Rating Information

When submitting **bridge** plans please provide the following:

- Project Title / Cover Sheet
- General Elevation Sheet
- Standard Drawings / Special Plans

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## Submitting Rating Information

When submitting **culvert** plans please provide the following:

- Project Title / Cover Sheet
- Summary of Quantities (with fill depth)
- Standard Drawings
- Drainage Sheet

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## Submitting Rating Information

<https://www.dot.state.al.us/programs/BIP.html>

### BRIDGE RATING & LOAD TESTING INFORMATION

- ▲ Concrete Girder Bridge Rating Data Sheet
- ▲ Corrugated Metal Structure Rating Data Sheet
- ▲ General Bridge Rating Data Sheet
- ▲ Reinforced Concrete Box Culvert Data Sheet
- ▲ Steel Bridge Rating Data Sheet
- ▲ Timber Bridge Rating Data Sheet

**ALDOT**

# Submitting Rating Information

Date Submitted: 1-1-25 Sheet 1 of 5

TIMBER BRIDGE RATING INFORMATION DATA SHEET

Structure Number D C00013 01 0000091X00 BIN: 21345 Year Built: 2018

County/City: Wall Division: 1 Feature Intersected: Rating River

Project Number: Unknown Standard Drawing No. (If applicable): \_\_\_\_\_

Number of Spans: 2 Span Lengths: 15', 15'

DECK DETAILS

Deck Material:

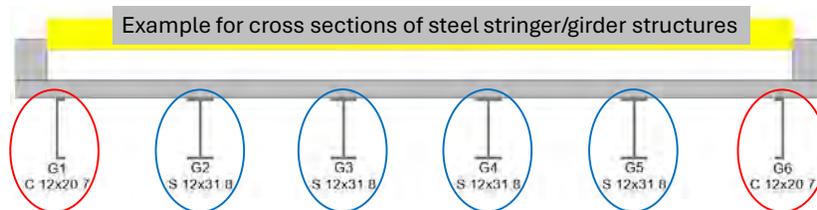
Timber:  Plank: 7.5 inches 2.5 inches Runners:  Y  N Timber Runners: 40.75 x 2.5 inches  
Width x Thickness

Board Width: 7.5 inches  
 Spacing: 36.5 inches

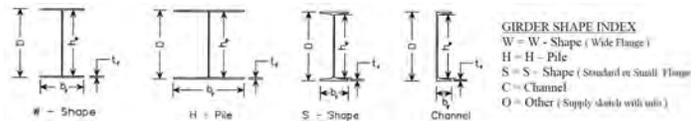
- Year built is important for selecting material properties
- Be sure to include runners if present on timber decks



# Submitting Rating Information



- Girders 1 and 6 are identical channels
  - Girders 2-5 are identical S shapes
- List each girder size only once

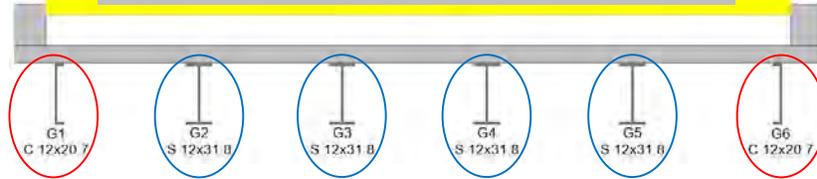


|          |           |         |           |                    |                      |                          |
|----------|-----------|---------|-----------|--------------------|----------------------|--------------------------|
| Girder A | Girder A: | Channel | 12 inches | 10 inches          | 3 inches             | 1/2 inches               |
|          | Shape     |         | D (depth) | $h_w$ (web height) | $b_f$ (flange width) | $t_f$ (flange thickness) |
| Girder B | Girder B: | S       | 12 inches | 9 5/8 inches       | 5 inches             | 9/16 inches              |
|          | Shape     |         | D (depth) | $h_w$ (web height) | $b_f$ (flange width) | $t_f$ (flange thickness) |



# Submitting Rating Information

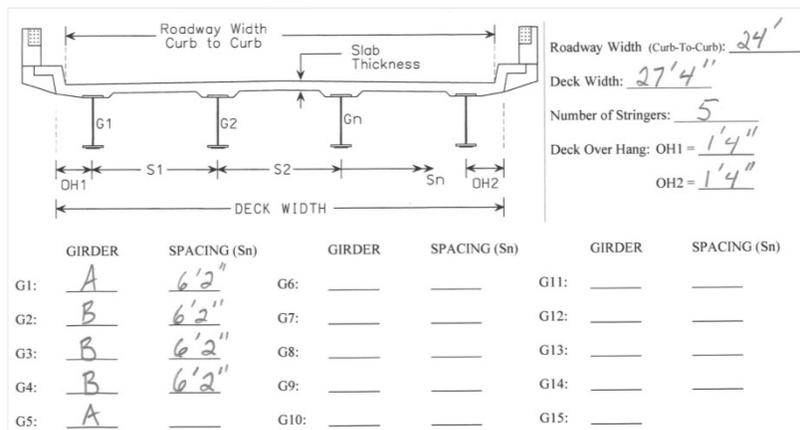
Example for cross sections of steel stringer/girder structures



|     | GIRDER   | SPACING (S <sub>n</sub> ) | GIRDER | SPACING (S <sub>n</sub> ) |
|-----|----------|---------------------------|--------|---------------------------|
| G1: | <u>A</u> | _____                     | G6:    | <u>28"</u>                |
| G2: | <u>B</u> | <u>28"</u>                | G7:    | _____                     |
| G3: | <u>B</u> | <u>28"</u>                | G8:    | _____                     |
| G4: | <u>B</u> | <u>28"</u>                | G9:    | _____                     |
| G5: | <u>B</u> | <u>28"</u>                | G10:   | _____                     |



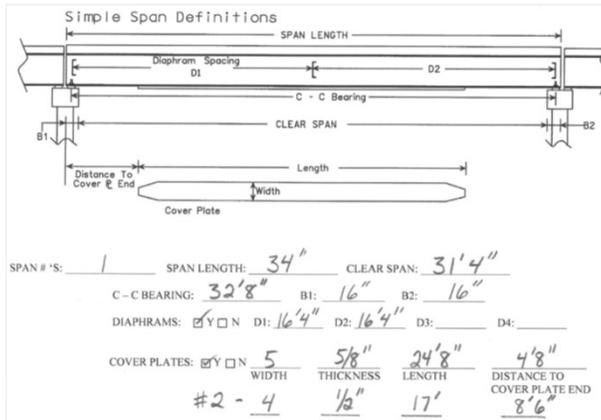
# Submitting Rating Information



- Make sure girder spacings and overhangs add up to the deck width
- Each girder is identified by the letters designated on the girder cross sections (previous slide)



# Submitting Rating Information



- Center to center of bearing is a critical measurement
- Identify multiple cover plates starting from the flange and moving outward



# Submitting Rating Information



Cover Plate

Splice Plate



## **Guidelines for Operation**

All circumstances below are based on NBI grades

### Condition Grade of "4"

Deck (B.C.01), Superstructure (B.C.02), Substructure (B.C.03), or Culvert (B.C.04)

- Structure must be rated within 6 months or gross load posted for ½ of the design value
- Maximum 12 month inspection frequency

**ALDOT**

## **Guidelines for Operation**

All circumstances below are based on NBI grades

### Condition Grade of "3"

Deck (B.C.01), Superstructure (B.C.02), Substructure (B.C.03), Culvert (B.C.04), or Channel (B.C.09)

- Structure shall be gross load posted for 3 tons
- Maximum 90 day inspection frequency

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## Guidelines for Operation

All circumstances below are based on NBI grades

### Condition Grade of "1" or "2"

Deck (B.C.01), Superstructure (B.C.02), Substructure (B.C.03), Culvert (B.C.04), or Channel (B.C.09)

- Structure shall be closed
- Professional Engineer review required to re-open structure
- If reopened, must be posted for 3 tons and a maximum 30 day inspection frequency



## Guidelines for Operation

As shown in the guidelines for operation, notify ALDOT when NBI condition grades drop because of storm damage, deterioration, closure, etc.

|   |
|---|
| Deck condition graded 4 or less           |
| Superstructure condition graded 4 or less |
| Substructure condition graded 4 or less   |
| Culvert condition graded 4 or less        |
| Channel condition graded 3 or less        |
| Bridge is closed                          |



## Guidelines for Operation

Notify ALDOT when NBI condition grades improve because of rebuilt or repaired sections, completion of EBIT recommendations, a structure is reopened, etc.

|   |
|---|
| Deck condition graded 4 or less is raised |
|---|

|   |
|---|
| Superstructure condition graded 4 or less is raised |
|---|

|   |
|---|
| Substructure condition graded 4 or less is raised |
|---|

|  |
|--|
| Culvert condition graded 4 or less is raised |
|--|

|  |
|--|
| Channel condition graded 3 or less is raised |
|--|

|                    |
|--------------------|
| Bridge is reopened |
|--------------------|

Send **new rating data sheets** if the composition of the structure has changed



## Notification by Letters & Pictures

**Letters (emails) should answer the following questions:**

- What was the previous grade?
- What is the new grade?
- Why was the condition grade change?
- What is the posting status of the structure?
- Have repairs been made?
- What type of repairs were made?
- Are any repairs scheduled for the near future?

**Pictures of the defects should be uploaded into BrM with the inspection data.**



## Notification by Letters & Pictures

"the structure will be posted at 3 tons and inspected every 90 days"

"the substructure overall condition grade was changed from a "4" to a "3"."

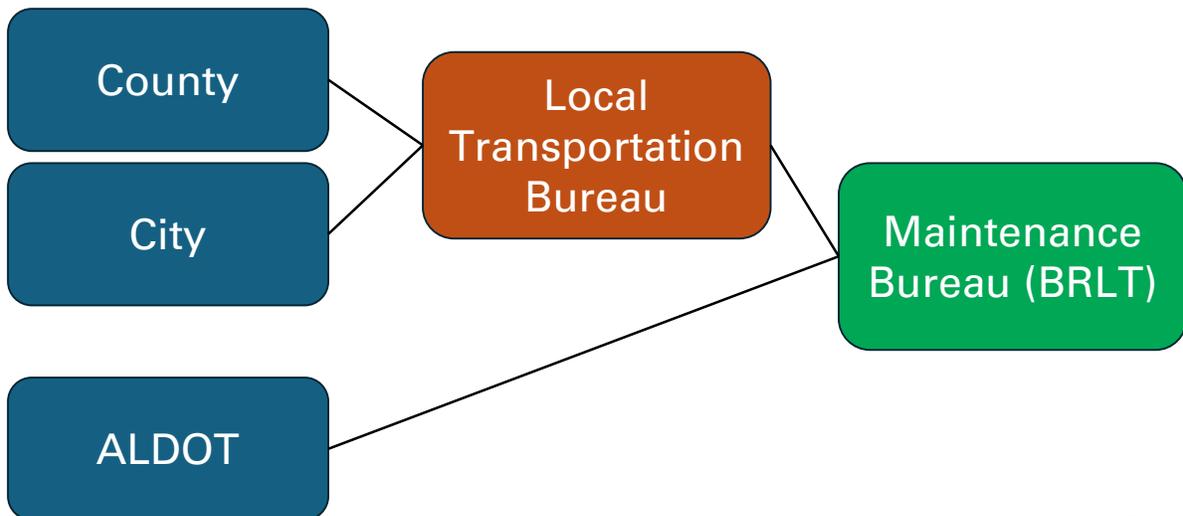
Please be advised that during an **annual** inspection of the above referenced structure, the substructure overall condition grade was changed from a "4" to a "3". The bridge will be posted for 3 tons and will be inspected on a 90 day inspection frequency. The condition grade change was warranted due to deterioration of the steel piling in the splash zone. No repairs are currently scheduled at this time. Thanks for your consideration in this matter. If you have any questions, please call our office.

"the condition grade change was warranted due to deterioration of steel piling in the splash zone"

"no repairs are currently scheduled at this time"

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## Notification by Letters & Pictures



**ALDOT**

## EBIT Request Form

Download the EBIT Request form at:

<https://www.dot.state.al.us/programs/BIP.html>

- ✓ Include a detailed description of the problems and the desired outcome

**ALDOT**

## Questions?

Mike Wall, P.E.  
Phone: (334) 242-6500  
Email: wallm@dot.state.al.us



**ALDOT**



# 2025 Bridge Inspection Refresher Training

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## BRIDGE SCOUR

### Outline

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- SNBI Changes
- Scour Appraisal
- Plan of Action
- Scour Re-Evaluation Request
- Entering Structure Detail in BrM
- Entering Soundings in BrM
- Common Errors

# SNBI Changes

| <i>Scour Vulnerability</i>  |   |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
|---|---|--------------------|---|---|---|--|---|--|---|---|---|--|---|--|---|--|---|--|
| Format<br>AN (1)  | Frequency   | Item ID<br>B.AP.03 |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| Specification   | Commentary  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| Report the scour vulnerability of the bridge using one of the following codes.  | The intent of this item is to report the status and vulnerability determination from scour appraisals required by the NBIS.                                       |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Description</u></th> </tr> </thead> <tbody> <tr> <td>0</td> <td>Scour appraisal has not been completed.</td> </tr> <tr> <td>A</td> <td>Scour appraisal completed. Bridge determined to be stable for scour.</td> </tr> <tr> <td>B</td> <td>Scour appraisal completed. Bridge determined to be stable for scour, dependent upon designed, and functioning countermeasures.</td> </tr> <tr> <td>C</td> <td>Scour appraisal completed. Bridge could become unstable for scour. Temporary (not designed) countermeasure installed to mitigate scour. Bridge is scour critical.</td> </tr> <tr> <td>D</td> <td>Scour appraisal completed. Bridge is, or may become, unstable for scour. Bridge is scour critical.</td> </tr> <tr> <td>E</td> <td>Scour appraisal has not been completed. Temporary (not designed) countermeasure installed to mitigate scour.</td> </tr> <tr> <td>U</td> <td>Scour appraisal has not been completed due to unknown foundations.</td> </tr> </tbody> </table> | <u>Code</u>   | <u>Description</u> | 0 | Scour appraisal has not been completed. | A | Scour appraisal completed. Bridge determined to be stable for scour. | B | Scour appraisal completed. Bridge determined to be stable for scour, dependent upon designed, and functioning countermeasures. | C | Scour appraisal completed. Bridge could become unstable for scour. Temporary (not designed) countermeasure installed to mitigate scour. Bridge is scour critical. | D | Scour appraisal completed. Bridge is, or may become, unstable for scour. Bridge is scour critical. | E | Scour appraisal has not been completed. Temporary (not designed) countermeasure installed to mitigate scour. | U | Scour appraisal has not been completed due to unknown foundations. | <p>The codes for this item are based on the appraised scour vulnerability as described in HEC-18, Evaluating Scour at Bridges; HEC-23, Bridge Scour and Stream Instability Countermeasures; and HEC-20, Stream Stability at Highway Structures.</p> <p>Scour appraisals are typically performed by a multidisciplinary team of hydraulic, geotechnical, and structural engineers (Scour Appraisal Team).</p> <p>FHWA Hydraulic Technical Advisories, manuals, and software can be found at: <a href="http://www.fhwa.dot.gov/engineering/hydraulic/index.cfm">http://www.fhwa.dot.gov/engineering/hydraulic/index.cfm</a>.</p> <p>Refer to item B.C.11 (<i>Scour Condition Rating</i>) in the Component Condition Ratings subsection to address field observed scour conditions and the effect on bridge components.</p> <p>Use code B when designed, installed, and functioning countermeasures are used to address potential scour and to maintain bridge stability for new or existing bridges, or bridges with unknown foundations.</p> <p>Use code B when the Scour Appraisal Team determines that the in-place, non-designed countermeasures are fully functioning and are appropriate to mitigate the risk of scour.</p> <p>Use code C for bridges that could become unstable for the potential scour, and temporary countermeasures are installed that were not designed.</p> |  |
| <u>Code</u>   | <u>Description</u>  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| 0   | Scour appraisal has not been completed.   |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| A   | Scour appraisal completed. Bridge determined to be stable for scour.  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| B   | Scour appraisal completed. Bridge determined to be stable for scour, dependent upon designed, and functioning countermeasures.                                    |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| C   | Scour appraisal completed. Bridge could become unstable for scour. Temporary (not designed) countermeasure installed to mitigate scour. Bridge is scour critical. |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| D   | Scour appraisal completed. Bridge is, or may become, unstable for scour. Bridge is scour critical.  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| E   | Scour appraisal has not been completed. Temporary (not designed) countermeasure installed to mitigate scour.  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| U   | Scour appraisal has not been completed due to unknown foundations.  |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |
| Do not report this item if the bridge does not cross over a waterway as indicated in Item B.F.01 ( <i>Feature Type</i> ).   |   |                    |   |   |   |  |   |  |   |   |   |  |   |  |   |  |   |  |

| Specification  |   |
|--|---|
| Report the scour vulnerability of the bridge using one of the following codes. |   |
| <u>Code</u>  | <u>Description</u>  |
| 0  | Scour appraisal has not been completed.   |
| A  | Scour appraisal completed. Bridge determined to be stable for scour.  |
| B  | Scour appraisal completed. Bridge determined to be stable for scour, dependent upon designed, and functioning countermeasures.                                    |
| C  | Scour appraisal completed. Bridge could become unstable for scour. Temporary (not designed) countermeasure installed to mitigate scour. Bridge is scour critical. |

|   |  |
|---|--|
| D   | Scour appraisal completed. Bridge is, or may become, unstable for scour. Bridge is scour critical.           |
| E   | Scour appraisal has not been completed. Temporary (not designed) countermeasure installed to mitigate scour. |
| U   | Scour appraisal has not been completed due to unknown foundations.   |
| Do not report this item if the bridge does not cross over a waterway as indicated in Item B.F.01 ( <i>Feature Type</i> ). |  |

| Commentary   |
|--|
| The intent of this item is to report the status and vulnerability determination from scour appraisals required by the NBIS.  |
| The codes for this item are based on the appraised scour vulnerability as described in HEC-18, Evaluating Scour at Bridges; HEC-23, Bridge Scour and Stream Instability Countermeasures; and HEC-20, Stream Stability at Highway Structures. |
| Scour appraisals are typically performed by a multidisciplinary team of hydraulic, geotechnical, and structural engineers (Scour Appraisal Team).  |
| FHWA Hydraulic Technical Advisories, manuals, and software can be found at: <a href="http://www.fhwa.dot.gov/engineering/hydraulics/index.cfm">http://www.fhwa.dot.gov/engineering/hydraulics/index.cfm</a> .                                |

|   |
|---|
| Refer to item B.C.11 ( <i>Scour Condition Rating</i> ) in the Component Condition Ratings subsection to address field observed scour conditions and the effect on bridge components.                        |
| Use code B when designed, installed, and functioning countermeasures are used to address potential scour and to maintain bridge stability for new or existing bridges, or bridges with unknown foundations. |
| Use code B when the Scour Appraisal Team determines that the in-place, non-designed countermeasures are fully functioning and are appropriate to mitigate the risk of scour.                                |
| Use code C for bridges that could become unstable for the potential scour, and temporary countermeasures are installed that were not designed.  |

| <b>Scour Plan of Action</b>   |                       |   |
|---|-----------------------|---|
| <u>Format</u><br>AN (1)   | <u>Frequency</u><br>I | <u>Item ID</u><br>B.AP.04   |
| Specification   |                       | Commentary  |
| <p>Report whether the bridge has a scour plan of action (POA) implemented using one of the following codes.</p> <p><u>Code</u>   <u>Description</u></p> <p>0   A scour POA is not required.</p> <p>N   A scour POA is required, but not implemented.</p> <p>Y   A scour POA is required and implemented.</p> <p>Do not report this item if the bridge does not cross over a waterway as indicated in Item B.F.01 (<i>Feature Type</i>).</p> |                       | <p>The NBIS requires a scour POA for bridges over water that are determined to be scour critical or have unknown foundations.</p> <p>More information on scour POA can be found at the FHWA Hydraulics Engineering website: <a href="http://www.fhwa.dot.gov/engineering/hydraulics/bridgehyd/poa.cfm">http://www.fhwa.dot.gov/engineering/hydraulics/bridgehyd/poa.cfm</a>.</p> <p>Use code 0 if a bridge was considered scour critical, but now has designed, installed, and fully functional scour countermeasures.</p> <p>A scour POA is a document that addresses, based on risk, a schedule for repair or installation of scour countermeasures, and/or the monitoring, inspection, closing, and opening a bridge to traffic during and after flood events to protect the traveling public.</p> <p>A scour POA is implemented when those responsible for actions under the plan are aware of their responsibilities, and are exercising them when called for during or after a triggering event.</p> <p>A bridge should have a scour POA when it could become unstable for scour, and temporary countermeasures are installed that were not designed.</p> |

| <b>Scour Condition Rating</b>  |   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
|--|---|------|-----------------------|---|-----------------------------------|---|-----------|---|----------------------|---|-------------------|---|--|---|--|---|---|---|--|---|---|---|--|---|--|
| <u>Format</u><br>AN (1)  | <u>Frequency</u><br>EI  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| <u>Item ID</u><br>B.C.11   |   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| Specification  |   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| <p>Report the scour condition that represents the observed or measured scour using one of the following codes. The entire code description must be satisfied for the code to apply.</p> <table border="1"> <thead> <tr> <th>Code</th> <th>Condition Description</th> </tr> </thead> <tbody> <tr> <td>N</td> <td>Bridge does not cross over water.</td> </tr> <tr> <td>9</td> <td>No scour.</td> </tr> <tr> <td>8</td> <td>Insignificant scour.</td> </tr> <tr> <td>7</td> <td>Some minor scour.</td> </tr> <tr> <td>6</td> <td>Widespread minor or isolated moderate scour.</td> </tr> <tr> <td>5</td> <td>Moderate scour; strength and stability of the bridge are not affected.</td> </tr> <tr> <td>4</td> <td>Widespread moderate or isolated major scour; strength and/or stability of the bridge is affected.</td> </tr> <tr> <td>3</td> <td>Major scour; strength and/or stability of the bridge is seriously affected. Condition typically necessitates more frequent monitoring, load restrictions, and/or corrective actions.</td> </tr> <tr> <td>2</td> <td>Major scour; strength and/or stability of the bridge is severely compromised. Condition typically necessitates frequent monitoring, significant load restrictions, and/or corrective actions to keep the bridge open.</td> </tr> <tr> <td>1</td> <td>Bridge is closed to traffic due to scour condition. Channel rehabilitation may return the bridge to service.</td> </tr> <tr> <td>0</td> <td>Bridge is closed due to scour condition, and is beyond corrective action. Bridge replacement is needed to restore service.</td> </tr> </tbody> </table> |   | Code | Condition Description | N | Bridge does not cross over water. | 9 | No scour. | 8 | Insignificant scour. | 7 | Some minor scour. | 6 | Widespread minor or isolated moderate scour. | 5 | Moderate scour; strength and stability of the bridge are not affected. | 4 | Widespread moderate or isolated major scour; strength and/or stability of the bridge is affected. | 3 | Major scour; strength and/or stability of the bridge is seriously affected. Condition typically necessitates more frequent monitoring, load restrictions, and/or corrective actions. | 2 | Major scour; strength and/or stability of the bridge is severely compromised. Condition typically necessitates frequent monitoring, significant load restrictions, and/or corrective actions to keep the bridge open. | 1 | Bridge is closed to traffic due to scour condition. Channel rehabilitation may return the bridge to service. | 0 | Bridge is closed due to scour condition, and is beyond corrective action. Bridge replacement is needed to restore service. |
| Code   | Condition Description   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| N  | Bridge does not cross over water.   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 9  | No scour.   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 8  | Insignificant scour.  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 7  | Some minor scour.   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 6  | Widespread minor or isolated moderate scour.  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 5  | Moderate scour; strength and stability of the bridge are not affected.  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 4  | Widespread moderate or isolated major scour; strength and/or stability of the bridge is affected.   |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 3  | Major scour; strength and/or stability of the bridge is seriously affected. Condition typically necessitates more frequent monitoring, load restrictions, and/or corrective actions.                                  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 2  | Major scour; strength and/or stability of the bridge is severely compromised. Condition typically necessitates frequent monitoring, significant load restrictions, and/or corrective actions to keep the bridge open. |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 1  | Bridge is closed to traffic due to scour condition. Channel rehabilitation may return the bridge to service.  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |
| 0  | Bridge is closed due to scour condition, and is beyond corrective action. Bridge replacement is needed to restore service.  |      |                       |   |                                   |   |           |   |                      |   |                   |   |  |   |  |   |   |   |  |   |   |   |  |   |  |

**Commentary**

Refer to Item B.AP.03 (*Scour Vulnerability*) to verify if the bridge has been determined to be stable or unstable for appraised scour conditions.

Consider design scour depth and critical scour depth, commonly found in hydraulic designs, scour evaluations, and POAs, when determining the scour condition ratings.

When observed conditions are not consistent with the scour design or the assumptions used in the scour appraisal, this indicates a need to reevaluate Item B.AP.03 (*Scour Vulnerability*).

**Channel Condition Rating**

Format  
AN (1)

Frequency  
EI

Item ID  
B.C.09

Specification

Report the channel condition using one of the following codes. The entire code description must be satisfied for the code to apply.

| Code | Condition        | Description  |
|------|------------------|--|
| N    | NOT APPLICABLE   | Bridge does not cross over water.  |
| 9    | EXCELLENT        | No defects.  |
| 8    | VERY GOOD        | Inherent defects only.   |
| 7    | GOOD             | Some minor defects.  |
| 6    | SATISFACTORY     | Widespread minor or isolated moderate defects.   |
| 5    | FAIR             | Moderate defects; bridge and approach roadway are not threatened.  |
| 4    | POOR             | Widespread moderate or isolated major defects; bridge and/or approach roadway is threatened.   |
| 3    | SERIOUS          | Major defects; bridge or approach roadway is seriously threatened. Condition typically necessitates more frequent monitoring, load restrictions, and/or corrective actions.  |
| 2    | CRITICAL         | Major defects. Bridge or approach roadway is severely threatened. Condition typically necessitates frequent monitoring, significant load restrictions, and/or corrective actions in order to keep the bridge open. |
| 1    | IMMINENT FAILURE | Bridge is closed to traffic due to channel condition. Channel rehabilitation may return the bridge to service.   |
| 0    | FAILED           | Bridge is closed due to channel condition, and is beyond corrective action. Bridge location or design can no longer accommodate the channel, and bridge replacement is needed to restore service.                  |

Commentary

This item is used to provide a condition rating for the channel at the bridge. Consider the channel upstream and downstream only insofar as it threatens the bridge and approach roadway.

The condition of channel protection devices is addressed under a separate item. Refer to Item B.C.10 (*Channel Protection Condition Rating*).

For concrete lined channels, channel defects typically do not apply, except for Aggradation and Debris. The condition of the channel lining would be addressed by Item B.C.10 (*Channel Protection Condition Rating*).

Table 54. Channel - defect severity guidance for component condition ratings.

| Defect                   | Minor  | Moderate   | Major  |
|--------------------------|--|--|--|
| Alignment                | Flow angle of attack 15-30 degrees with respect to the bridge substructure, or 5-15 degrees with respect to wall piers.      | Flow angle of attack 30-45 degrees with respect to the bridge substructure, or 15-30 degrees with respect to wall piers.           | Flow angle of attack more than 45 degrees with respect to the bridge substructure, or more than 30 degrees with respect to wall piers. |
| Migration                | Thalweg has moved from its baseline location, but movement has arrested or does not threaten the bridge or approach roadway. | Thalweg movement has not arrested and impacts embankment stability.  | Thalweg movement has begun to undermine approach roadway.  |
| Degradation              | Exists within tolerable limits or has arrested.  | Sloughing of banks, resulting in vertical embankments on both sides of the channel. Bridge is not yet impacted.                    | Sloughing of banks, resulting in vertical embankments on both sides of the channel. Bridge is impacted.                                |
| Aggradation              | Exists within tolerable limits or has arrested.  | Exceeds tolerable limits. Hydraulic opening is significantly blocked, increasing potential for overtopping or channel restriction. | Hydraulic opening is mostly blocked. May cause frequent overtopping or channel restriction.  |
| Debris                   | Restricts channel slightly, or is prone to build-up.   | Large deposits exist and restrict the channel, causing increased water velocities, redirecting stream flow, or eroding banks.      | Hydraulic opening mostly blocked, significantly redirecting stream flow or impacting waterway capacity.                                |
| Bank Erosion/Instability | Erosion/instability that does not impact the bridge or approach roadway.   | Significant erosion/instability that is progressing toward the bridge or approach roadway.   | Stability of the approach roadway embankment is impacted.  |

| <i>Channel Protection Condition Rating</i>  |                        |  |
|---|------------------------|--|
| <u>Format</u><br>AN (1)   | <u>Frequency</u><br>EI | <u>Item ID</u><br>B.C.10   |
| Specification   |                        |  |
| Report the condition of the channel protection device(s) using one of the following codes. The entire code description must be satisfied for the code to apply. |                        |  |
| Code  | Condition              | Description  |
| N   | NOT APPLICABLE         | Bridge does not cross over water or channel protection devices do not exist.   |
| 9   | EXCELLENT              | Isolated inherent defects.   |
| 8   | VERY GOOD              | Some inherent defects.   |
| 7   | GOOD                   | Some minor defects.  |
| 6   | SATISFACTORY           | Widespread minor or isolated moderate defects.   |
| 5   | FAIR                   | Some moderate defects; performance of the channel protection is not affected.  |
| 4   | POOR                   | Widespread moderate or isolated major defects; performance of channel protection is affected.  |
| 3   | SERIOUS                | Major defects; performance of channel protection is seriously affected. Condition typically necessitates more frequent monitoring or corrective actions. |
| 2   | CRITICAL               | Major defects; channel protection is severely compromised. Condition typically necessitates more frequent monitoring or corrective actions.              |
| 1   | IMMINENT FAILURE       | Channel protection has failed, but corrective action could restore it to working condition.  |
| 0   | FAILED                 | Channel protection is beyond repair and must be replaced.  |

| Commentary   |
|--|
| <p>This item is used to provide a condition rating for channel protection devices.</p> <p>Evaluate the condition and effectiveness of channel protection devices installed on banks or in the stream to mitigate channel issues that may impact the bridge. When reporting this item, consider erosion and scour, damage (unraveling, displacement, separation, and sagging), and material defects (scaling, abrasion, spalling, corrosion, cracking, splitting, and decay).</p> <p>Channel protection devices are considered countermeasures that control, inhibit, delay, or minimize stream instability and scour problems, including river training and armoring countermeasures.</p> <p>River training countermeasures may include: spurs, bendway weirs, guide banks, drop structures, and check dams. Additional river training countermeasures can be found in HEC-23 and elsewhere.</p> |

Commentary Continued – Channel Protection Condition Rating

Armoring countermeasures may include: rock riprap, grouted riprap, concrete slope paving, articulating concrete blocks, gabion mattresses, and grout-filled mats. Additional armoring countermeasures can be found in HEC-23 and elsewhere.

For bridges that have countermeasures not visible for inspection, use appropriate visual condition indicators to determine the applicable code. These may include measurements taken at the bridge face(s) during every inspection to help determine degree of degradation, aggradation, and/or channel migration.

For this item, a minor defect does not limit the effectiveness of the channel protection, while a moderate defect may limit its effectiveness. A major defect indicates that the channel protection is missing or is no longer effective as determined by a hydraulic review.

# Scour Appraisal

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|                       |  |                             |         |                  |         |                  |         |                             |         |                |         |                     |         |  |
|-----------------------|--|-----------------------------|---------|------------------|---------|------------------|---------|-----------------------------|---------|----------------|---------|---------------------|---------|--|
|                       | <p><b>Summary of Scour Appraisal</b><br/>8/7/2025<br/>By: Bridge Scour Section (BSS)</p> <p>*Supporting evidence for how scour vulnerability was coded including but not limited to: Description of location including structure details, history, drainage area, monitoring requirements, and countermeasure requirements.</p> <p><b>BIN:</b> 12345<br/><b>Structure Number:</b> OCO0000 000000000000<br/><b>Area:</b> Montgomery</p> <p>Scour Vulnerability (B.AP.03)<br/>Scour Vulnerability Bridge Description</p> <p><b>Scour Inspection</b><br/>Scour Inspection Required<br/>Scour Inspection Frequency</p> <p><b>Scour Monitoring</b><br/>Scour Plan of Action (B.AP.04)<br/>Scour Monitoring Detail Indicator</p> <p>*Description of monitoring plan.</p> <p><b>Scour Countermeasures</b><br/>Countermeasures Needed<br/>Which Countermeasures Are Needed</p> <p>*Description of countermeasures needed.</p> <p><b>Condition Ratings</b></p> <table border="0"> <tr> <td>Substructure (B.C.03)</td> <td>Code: 6</td> <td>Culvert (B.C.04)</td> <td>Code: -</td> </tr> <tr> <td>Channel (B.C.09)</td> <td>Code: 4</td> <td>Channel Protection (B.C.10)</td> <td>Code: 4</td> </tr> <tr> <td>Scour (B.C.11)</td> <td>Code: 4</td> <td>Underwater (B.C.15)</td> <td>Code: -</td> </tr> </table> <p><b>Stability Analysis</b></p> <p>*Summary statement regarding the stability of structure.</p> | Substructure (B.C.03)       | Code: 6 | Culvert (B.C.04) | Code: - | Channel (B.C.09) | Code: 4 | Channel Protection (B.C.10) | Code: 4 | Scour (B.C.11) | Code: 4 | Underwater (B.C.15) | Code: - |  |
| Substructure (B.C.03) | Code: 6  | Culvert (B.C.04)            | Code: - |                  |         |                  |         |                             |         |                |         |                     |         |  |
| Channel (B.C.09)      | Code: 4  | Channel Protection (B.C.10) | Code: 4 |                  |         |                  |         |                             |         |                |         |                     |         |  |
| Scour (B.C.11)        | Code: 4  | Underwater (B.C.15)         | Code: - |                  |         |                  |         |                             |         |                |         |                     |         |  |

# Scour Appraisal

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|   |
|---|
| <p><b>Summary of Scour Appraisal</b><br/>8/7/2025<br/>By: Bridge Scour Section (BSS)</p> <p>*Supporting evidence for how scour vulnerability was coded including but not limited to: Description of location including structure details, history, drainage area, monitoring requirements, and countermeasure requirements.</p> <p><b>BIN:</b> 12345<br/><b>Structure Number:</b> OCO0000 000000000000<br/><b>Area:</b> Montgomery</p> <p><b>County:</b> Montgomery<br/><b>City:</b> N/A<br/><b>Stream:</b> Creek</p> |
|---|

# Scour Appraisal

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|  |                                      |
|--|--------------------------------------|
| Scour Vulnerability (B.AP.03)          | Code: D - Scour Critical             |
| Scour Vulnerability Bridge Description | Code: Eval by assess – Cal. Pending. |

**Scour Inspection**

|                            |                 |
|----------------------------|-----------------|
| Scour Inspection Required  | Code: Y         |
| Scour Inspection Frequency | Code: 12 months |

**Scour Monitoring**

|                                   |         |
|-----------------------------------|---------|
| Scour Plan of Action (B.AP.04)    | Code: Y |
| Scour Monitoring Detail Indicator | Code: Y |

\*Description of monitoring plan.

# Scour Appraisal

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**Scour Countermeasures**

|                                  |                             |
|----------------------------------|-----------------------------|
| Countermeasures Needed           | Code: Yes, Required         |
| Which Countermeasures Are Needed | Code: Riprap, Filter-fabric |

\*Description of countermeasures needed.

**Condition Ratings**

|                       |         |                             |         |
|-----------------------|---------|-----------------------------|---------|
| Substructure (B.C.03) | Code: 6 | Culvert (B.C.04)            | Code: - |
| Channel (B.C.09)      | Code: 4 | Channel Protection (B.C.10) | Code: 4 |
| Scour (B.C.11)        | Code: 4 | Underwater (B.C.15)         | Code: - |

**Stability Analysis**

\*Summary statement regarding the stability of structure.

# Plan of Action

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## Plan of Action

- Needed for all scour critical structures
- Scour Vulnerability = C or D
- Should be placed at the top of the bridge file
- Should include the scour appraisal

Revised 09/2020

**TO REMAIN AT TOP OF FILE**  
**PLAN OF ACTION FOR STATE OWNED SCOUR CRITICAL BRIDGES**  
(Item 115 9 3)

Date: \_\_\_\_\_  
 Site: \_\_\_\_\_  
 Structure Number: \_\_\_\_\_  
 Region: \_\_\_\_\_  
 Area: \_\_\_\_\_  
 County: \_\_\_\_\_

Stream Name: \_\_\_\_\_  
 Inspection personnel will monitor this structure according to the attached recommendations from the Bridge Scour Section.

**ITEMS TO CHECK DURING HIGH FLOW EVENTS**

1. Take soundings by using weighted tape or by using a sonar device. (If soundings cannot be taken on the structure cannot be continuously monitored, inspectors may consider closing the structure until the water recedes.)
2. Record current water surface elevation and highest observed water surface elevation.
3. Check the deck, curbside, and rails for any misalignment or settlement.
4. Check for excessive vibration or movement.
5. Check for any large amounts of debris on or near the structure.
6. Document inspections by filling out the attached inspection checklist form, include pictures as needed.

If the structure becomes unstable or is overtopped – close the structure immediately. Upon closure, notify your Region Traffic Management Center to update ALGO Traffic.)

| CONTACTS FOR BRIDGE CLOSURE                   |             |               |
|---|-------------|---------------|
| NAME  | CELL NUMBER | OFFICE NUMBER |
| DISTRICT ADMINISTRATOR                        |             |               |
| REGION ENGINEER                               |             |               |
| AREA OPERATIONS ENGINEER                      |             |               |
| AREA MAINTENANCE ENGINEER                     |             |               |
| REGION TRAFFIC MANAGEMENT CENTER              |             |               |
| STATE MAINTENANCE ENGINEER                    |             |               |
| ASSISTANT STATE MAINTENANCE ENGINEER--BRIDGES |             |               |
| STATE TROOPERS OFFICE                         |             |               |
| SHERIFF'S OFFICE                              |             |               |
| MEDIA   |             |               |

The bridge will not be re-opened until the water recedes and a full inspection can be performed.

**TO REMAIN AT TOP OF FILE**  
**PLAN OF ACTION FOR STATE OWNED SCOUR CRITICAL BRIDGES**

(Item 113 ≤ 3)

Date:

Bin:

Structure Number:

Region:

Area:

County:

Stream Name:

Inspection personnel will monitor this structure according to the attached recommendations from the Bridge Scour Section.

**ITEMS TO CHECK DURING HIGH FLOW EVENTS**

1. Take soundings by using weighted tape or by using a sonar device. (If soundings cannot be taken or the structure cannot be continuously monitored, inspectors may consider closing the structure until the water recedes.)
2. Record current water surface elevation and highest observed water surface elevation.
3. Check the deck, curbline, and rails for any misalignment or settlement.
4. Check for excessive vibration or movement.
5. Check for any large amounts of debris on or near the structure.
6. Document inspections by filling out the attached inspection checklist form. Include pictures as needed.

If the structure becomes unstable or is overtopped – close the structure immediately. (Upon closure, notify your Region Traffic Management Center to update ALGO Traffic.)

| CONTACTS FOR BRIDGE CLOSURE                    |      |             |               |
|--|------|-------------|---------------|
|  | NAME | CELL NUMBER | OFFICE NUMBER |
| DISTRICT ADMINISTRATOR                         |      |             |               |
| REGION ENGINEER                                |      |             |               |
| AREA OPERATIONS ENGINEER                       |      |             |               |
| AREA MAINTENANCE ENGINEER                      |      |             |               |
| REGION TRAFFIC MANAGEMENT CENTER               |      |             |               |
| STATE MAINTENANCE ENGINEER                     |      |             |               |
| ASSISTANT STATE MAINTENANCE ENGINEER – BRIDGES |      |             |               |
| STATE TROOPERS OFFICE                          |      |             |               |
| SHERIFF'S OFFICE                               |      |             |               |
| MEDIA  |      |             |               |

The bridge will not be re-opened until the water recedes and a full inspection can be performed.

# Plan of Action

**Date:**

**Bin:**

**Structure Number:**

**Region:**

**Area:**

**County:**

**Stream Name:**

Inspection personnel will monitor this structure according to the attached recommendations from the Bridge Scour Section.

# Plan of Action

## ITEMS TO CHECK DURING HIGH FLOW EVENTS

1. Take soundings by using weighted tape or by using a sonar device. (If soundings cannot be taken or the structure cannot be continuously monitored, inspectors may consider closing the structure until the water recedes.)
2. Record current water surface elevation and highest observed water surface elevation.
3. Check the deck, curblin, and rails for any misalignment or settlement.
4. Check for excessive vibration or movement.
5. Check for any large amounts of debris on or near the structure.
6. Document inspections by filling out the attached inspection checklist form. Include pictures as needed.

# Plan of Action

If the structure becomes unstable or is overtopped – close the structure immediately. (Upon closure, notify your Region Traffic Management Center to update ALGO Traffic.)

| CONTACTS FOR BRIDGE CLOSURE                    |      |             |               |
|--|------|-------------|---------------|
|  | NAME | CELL NUMBER | OFFICE NUMBER |
| DISTRICT ADMINISTRATOR                         |      |             |               |
| REGION ENGINEER                                |      |             |               |
| AREA OPERATIONS ENGINEER                       |      |             |               |
| AREA MAINTENANCE ENGINEER                      |      |             |               |
| REGION TRAFFIC MANAGEMENT CENTER               |      |             |               |
| STATE MAINTENANCE ENGINEER                     |      |             |               |
| ASSISTANT STATE MAINTENANCE ENGINEER – BRIDGES |      |             |               |
| STATE TROOPERS OFFICE                          |      |             |               |
| SHERIFF'S OFFICE                               |      |             |               |
| MEDIA  |      |             |               |

The bridge will not be re-opened until the water recedes and a full inspection can be performed.

# Plan of Action

| Plan of Action Inspection Checklist <small>(Revised 09/2020)</small> |   |
|--|---|
| Inspection Date:   | <b>Circle Yes or No for the following questions:</b>                                  |
| Water surface elevation at time of inspection:                       | 1) Soundings have been taken and recorded? Yes No                                     |
|  | 2) Structure has misalignment and/or settlement of deck, curblines, and rails? Yes No |
|  | 3) Structure has excessive vibration or movement? Yes No                              |
|  | 4) Structure has debris accumulation? Yes No  |
| Highest observed water surface elevation:                            | 5) Structure was closed due to high flow event? Yes No                                |
| Inspected By:  | Describe any issues: _____  |
|  | _____   |
|  | Additional comments: _____  |
|  | _____   |

# Scour Re-Evaluation Request

---

| <b>Bridge Scour Re-Evaluation Request</b> <span style="float: right; font-weight: normal;">Revised 09/2020</span>  |  |
|--|--|
| <b>ALDOT Area Office (if applicable):</b> _____<br><b>County:</b> _____<br><b>City (if applicable):</b> _____<br><b>Bridge Identification Number (BIN):</b> _____<br><b>Reason for re-evaluation request:</b><br>_____<br>_____<br>_____ | <p>Was work performed in accordance with <u>ALL</u> requirements from the previous scour evaluation? Please check the appropriate box below:<br/>           Yes: <input type="checkbox"/> No: <input type="checkbox"/></p> <p>If you checked the "No" box, please provide a detailed description of the work performed including applicable dimensions and/or quantities:<br/>           _____<br/>           _____<br/>           _____</p> <p>If you checked the "No" box, why was the work not done in accordance with the previous scour evaluation? :<br/>           _____<br/>           _____<br/>           _____</p> <p>When was work completed? :<br/>           _____<br/>           Month / Day / Year</p> <p>Has there been any additional changes/scour at the site since the last scour evaluation was performed that was not described above? If so, please specify:<br/>           _____<br/>           _____<br/>           _____</p> <p><b>Checklist – Items to include with Scour Re-evaluation Request Form:</b><br/> <input type="checkbox"/> Photos (high quality and labeled with date and identification, i.e., Abutment #1, Bent #2, etc.)<br/> <input type="checkbox"/> Plans or sketches<br/> <input type="checkbox"/> Previous scour evaluation<br/> <input type="checkbox"/> Dive Reports (if applicable)</p> <p><b>Print Name:</b> _____<br/> <b>Signature:</b> _____<br/> <b>Date:</b> _____<br/> <b>Position:</b> _____</p> |

# Scour Re-Evaluation Request

---

| <b>Bridge Scour Re-Evaluation Request</b> <span style="float: right; font-weight: normal;">Revised 09/2020</span>  |  |
|--|--|
| <b>ALDOT Area Office (if applicable):</b> _____<br><b>County:</b> _____<br><b>City (if applicable):</b> _____<br><b>Bridge Identification Number (BIN):</b> _____<br><b>Reason for re-evaluation request:</b><br>_____<br>_____<br>_____ |  |

## Scour Re-Evaluation Request

---

- Countermeasures have been installed
- Structure coded scour critical but condition has remained the same for several years
  - It is helpful to have monitoring documentation
- Owner proposes of installed different method than recommended to correct scour issues at the structure

## Scour Re-Evaluation Request

---

- Scour Issues found during a routine/interim inspection
- Scour/location has changed over time
- Damage due to a high-water event

# Scour Re-Evaluation Request

---

Was work performed in accordance with ALL requirements from the previous scour evaluation? Please check the appropriate box below:

Yes:  No:

If you checked the "No" box, please provide a detailed description of the work performed including applicable dimensions and/or quantities:

---

---

---

If you checked the "No" box, why was the work not done in accordance with the previous scour evaluation? :

---

---

---

# Scour Re-Evaluation Request

---

When was work completed? :

\_\_\_\_ / \_\_\_\_ / \_\_\_\_  
Month / Day / Year

Has there been any additional changes/scour at the site since the last scour evaluation was performed that was not described above? If so, please specify:

---

---

---

# Scour Re-Evaluation Request

**Checklist – Items to include with Scour Re-evaluation Request Form:**

- Photos (high quality and labeled with date and identification, i.e., Abutment #1, Bent #2, etc.)
- Plans or sketches
- Previous scour evaluation
- Dive Reports (if applicable)

Print Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Position: \_\_\_\_\_

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<https://www.dot.state.al.us/programs/BIP.html>

[Business](#) [Travel Info](#) [Projects](#) [Programs](#) [Publications](#) [Report a Concern](#) [Search](#)

## Bridge Inspection Program (BIP)



### What is the Bridge Inspection Program?

The Maintenance Bureau alongside Local Transportation Bureau works with state, county, and city bridge owners to ensure all bridges in the state of Alabama are being inspected according to Federal and State Regulations.

Other related activities include bridge scour analysis, bridge rating & load testing, underwater bridge inspection, and bridge repair.



## Program?

The Maintenance Bureau alongside Local Transportation Bureau works with state, county, and city bridge owners to ensure all bridges in the state of Alabama are being inspected according to Federal and State Regulations.

Other related activities include bridge scour analysis, bridge rating & load testing, underwater bridge inspection, and bridge repair.

|  |   |
|--|---|
| GENERAL BRIDGE INFORMATION                   | + |
| BRIDGE INSPECTION PROGRAM REVIEW INFORMATION | + |
| SNBI INFORMATION                             | + |
| BRIDGE RATING & LOAD TESTING INFORMATION     | + |
| BRIDGE SCOUR INFORMATION                     | + |
| UNDERWATER BRIDGE INSPECTION INFORMATION     | + |
| EBIT REQUEST                                 | + |



For questions pertaining to ALDOT's Bridge Inspection Program contact Ben Yates, PE by email at [yatesb@dot.state.al.us](mailto:yatesb@dot.state.al.us) or call 334.242.6484.



The Maintenance Bureau alongside Local Transportation Bureau works with state, county, and city bridge owners to ensure all bridges in the state of Alabama are being inspected according to Federal and State Regulations.

Other related activities include bridge scour analysis, bridge rating & load testing, underwater bridge inspection, and bridge repair.

|  |   |
|--|---|
| GENERAL BRIDGE INFORMATION                   | + |
| BRIDGE INSPECTION PROGRAM REVIEW INFORMATION | + |
| SNBI INFORMATION                             | + |
| BRIDGE RATING & LOAD TESTING INFORMATION     | + |
| BRIDGE SCOUR INFORMATION                     | - |

- 🔗 Bridge Scour Information [New](#)
- 🔗 Bridge Scour Re-Evaluation Request
- 🔗 Culvert Scour Information [New](#)
- 🔗 Plan of Action for City Owned Scour Critical Bridges
- 🔗 Plan of Action for County Owned Scour Critical Bridges
- 🔗 Plan of Action for State Owned Scour Critical Bridges
- 🔗 BrM Structure Scour/Hydrology User Guide



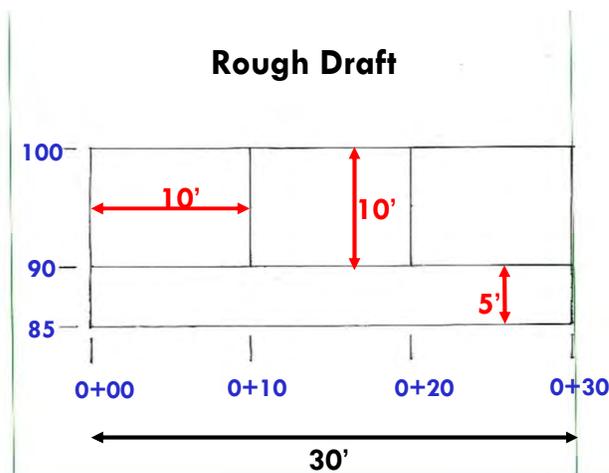
|  |   |
|--|---|
| UNDERWATER BRIDGE INSPECTION INFORMATION | + |
| EBIT REQUEST                             | + |

# Structure Detail Example

---

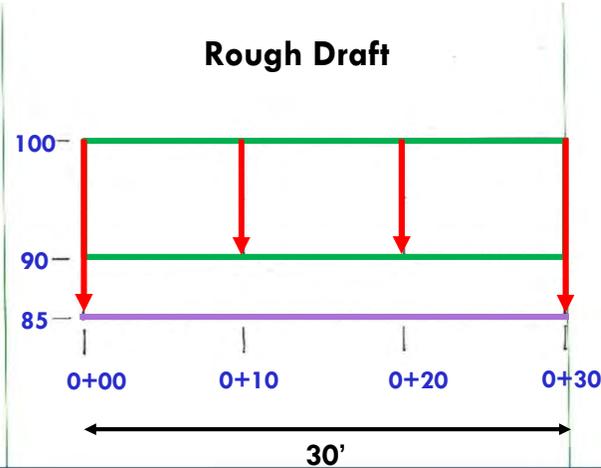
## Structure Detail Example

---

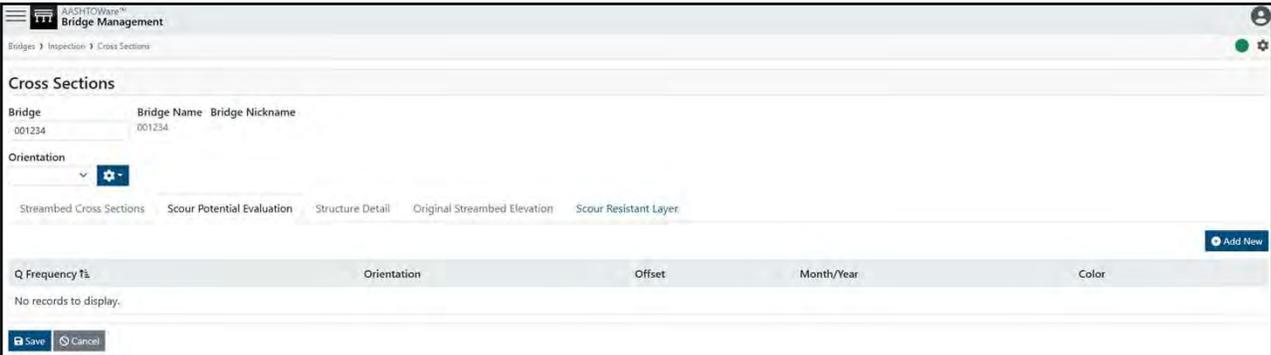


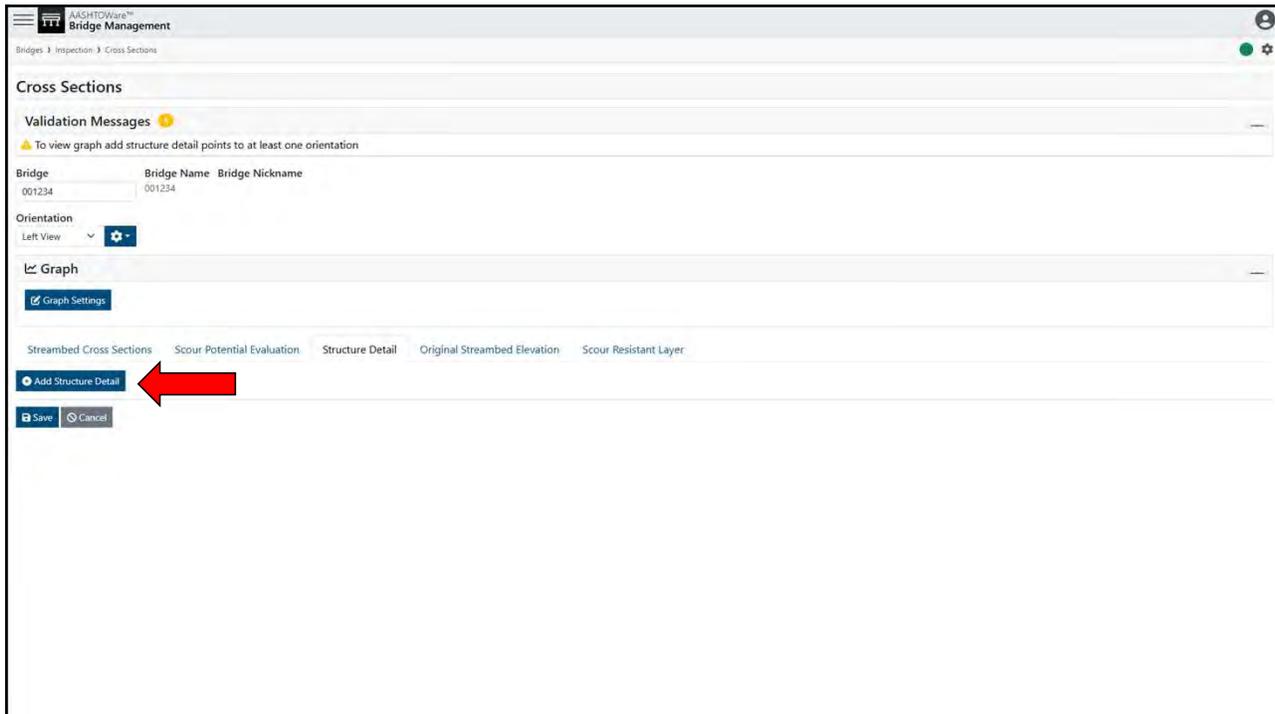
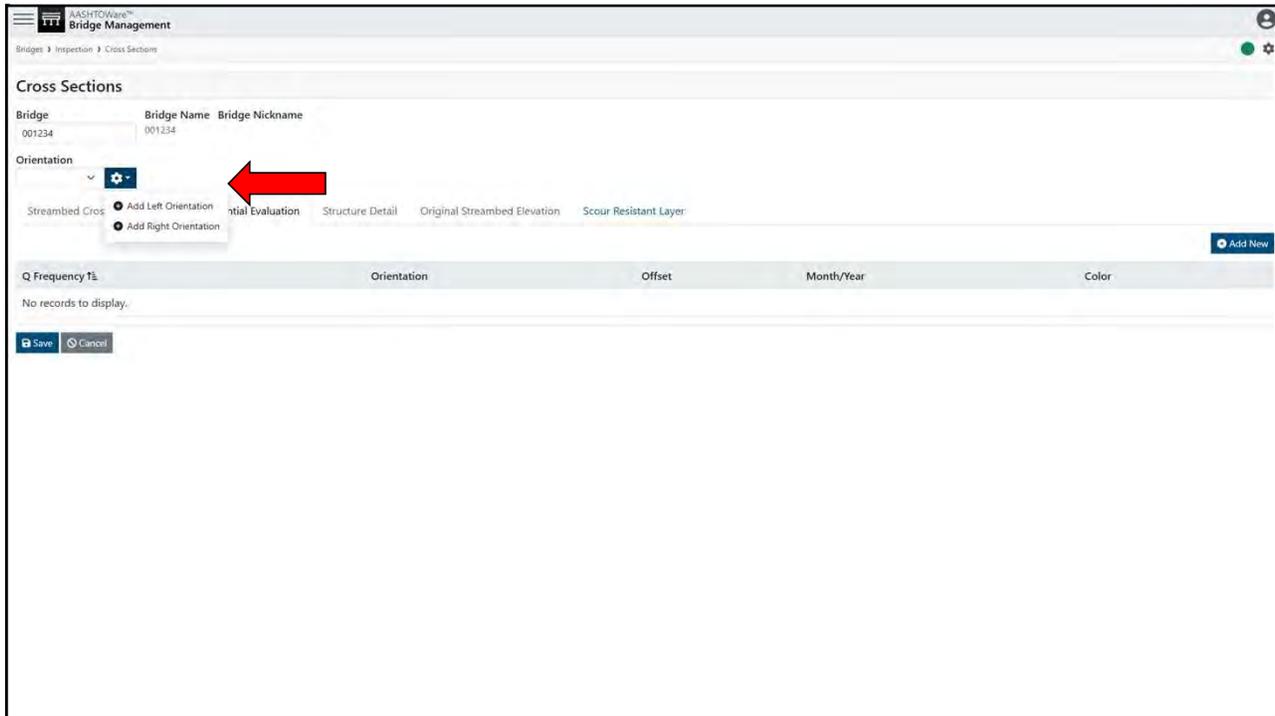
- 3-barrel box culvert
  - Structure Length = 30'
  - Barrel Dimensions = 10' x 10'
  - Toe Wall = 5'
  - Top of Parapet = 2' (above barrel ceiling)
  - Deck Elev (barrel ceiling) = 100.0 (assumed elevation)
  - Beginning Station = 0 + 0.0

# Structure Detail Example



- Culvert Components
  - Piles to create the walls
  - Super Thickness to create the flow line/bottom of the barrels
  - Original Streambed Elevation to create the bottom of the toewall





**AASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

**Graph**

Graph Settings

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Copy to Right View   Delete Structure Detail

**Graph Line Settings**

Name \*  
Structure Detail

Style \*  
Solid

Color \*  
#00FF00

**General Information**

High Water Elevation: 0 ft

High Water Year: Unknown

Upstream Side: Left

Downstream Side: Right

Station Equation:  
0 Stations  
+ 0 ft  
= 0 Stations  
+ 0 ft

Elevation Equation:  
0 ft  
= 0 ft

Station Direction: Increasing

Location of Base Measurement: Top of Parapet

Bent Direction: Increasing

Elevation Basis: Assumption

Source: Field Measurements

**Details**

Station (ft)   Reference Curb/Rail Elevation (ft)   Deck Elevation (ft)   Bottom Footing Elevation (ft)   Critical Pier Scour Depth (ft)   Pile Tip Elevation (ft)   Footing Type   Superstructure Thickness (ft)   Remarks

Save   Cancel   Add New

**AASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

**Graph**

Graph Settings

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Copy to Right View   Delete Structure Detail

**Graph Line Settings**

Name \*  
Structure Detail

Style \*  
Solid

Color \*  
#00FF00

**General Information**

High Water Elevation: 0 ft

High Water Year: Unknown

Upstream Side: Left

Downstream Side: Right

Station Equation:  
0 Stations  
+ 0 ft  
= 0 Stations  
+ 0 ft

Elevation Equation:  
0 ft  
= 0 ft

Station Direction: Increasing

Location of Base Measurement: Top of Parapet

Bent Direction: Increasing

Elevation Basis: Assumption

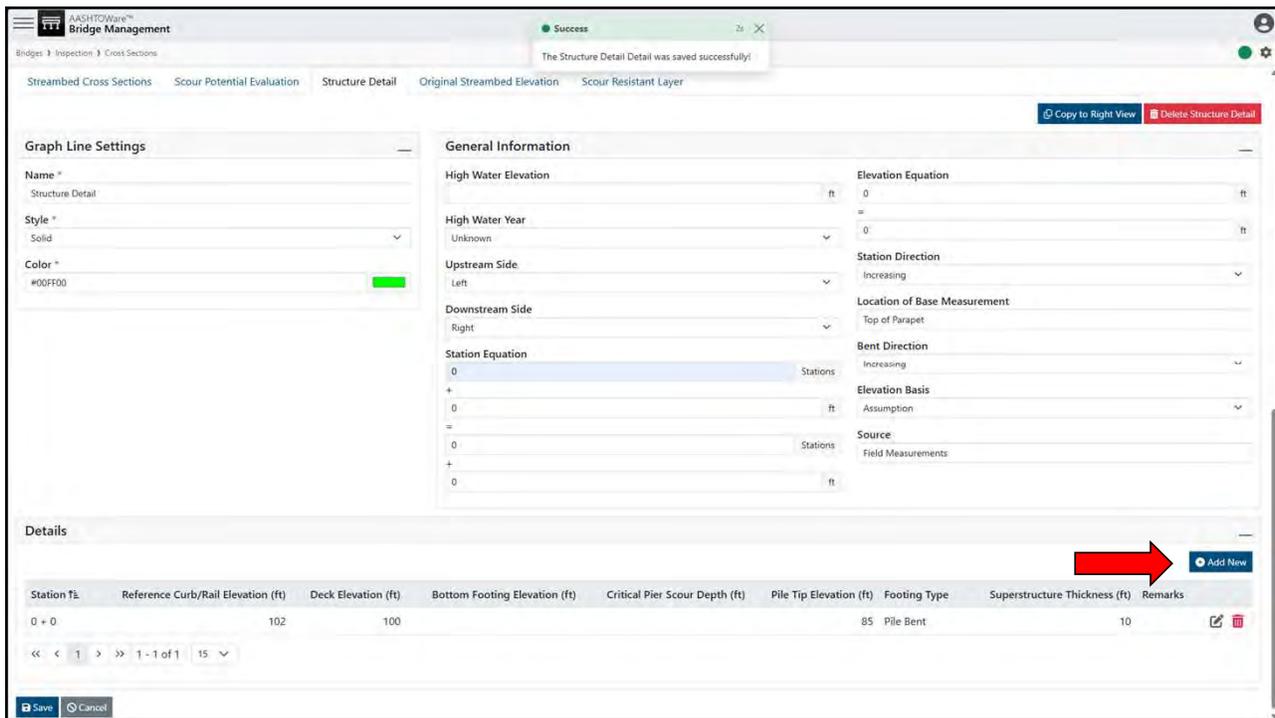
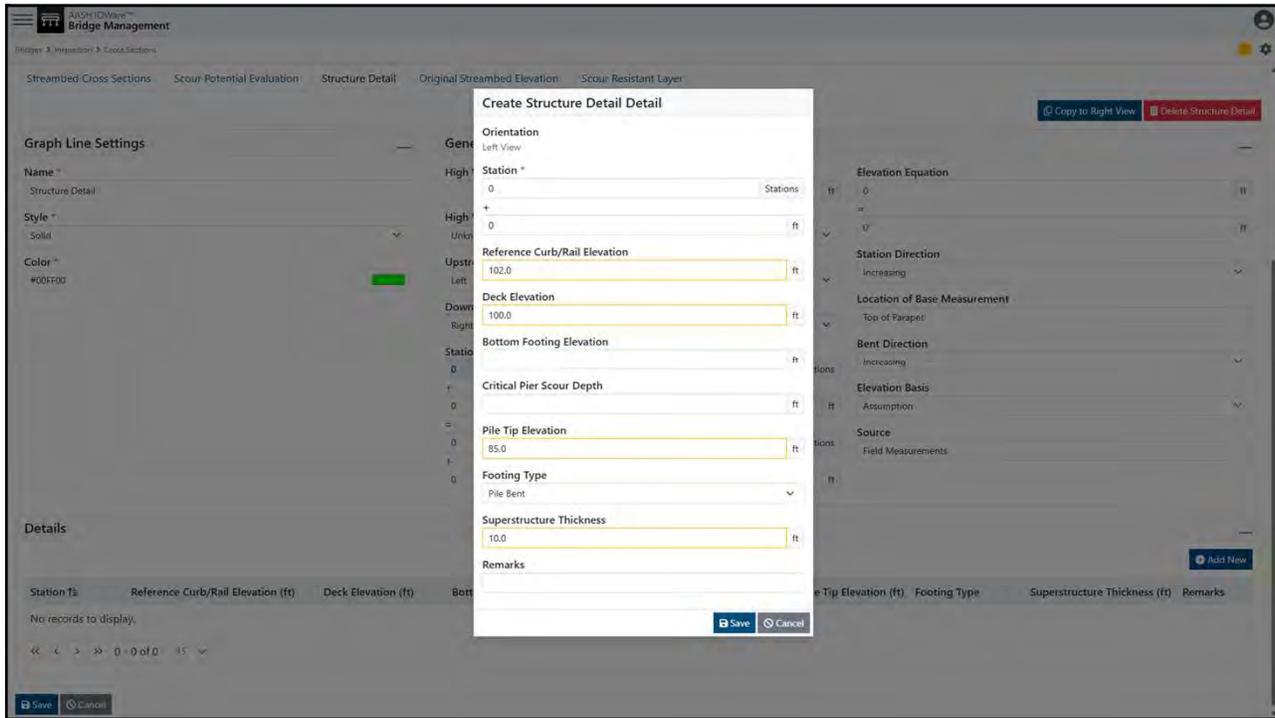
Source: Field Measurements

**Details**

Station (ft)   Reference Curb/Rail Elevation (ft)   Deck Elevation (ft)   Bottom Footing Elevation (ft)   Critical Pier Scour Depth (ft)   Pile Tip Elevation (ft)   Footing Type   Superstructure Thickness (ft)   Remarks

Save   Cancel   Add New





ASHTOWare™ Bridge Management

Bridges > Inspection > Cross Sections

Streambed Cross Sections Scour Potential Evaluation Structure Detail Original Streambed Elevation Scour Resistant Layer

**Graph Line Settings**

Name \* Structure Detail

Style \* Solid

Color \* #00FF00

**Details**

| Station | Reference Curb/Rail Elevation (ft) | Deck Elevation (ft) | Bottom |
|---------|------------------------------------|---------------------|--------|
| 0 + 0   | 102                                | 100                 |        |

<< < 1 > >> 1 - 1 of 1 15

Save Cancel

**Create Structure Detail Detail**

Orientation  
Left View

Station \*  
0 Stations

High  
+  
10.0 ft

Reference Curb/Rail Elevation  
102.0 ft

Deck Elevation  
100.0 ft

Bottom Footing Elevation  
ft

Critical Pier Scour Depth  
ft

Pile Tip Elevation  
90.0 ft

Footing Type  
Pile Bent

Superstructure Thickness  
10.0 ft

Remarks

Save Cancel

Copy to Right View Delete Structure Detail

Elevation Equation  
ft 0  
=  
ft 0

Station Direction  
Increasing

Location of Base Measurement  
Top of Parapet

Bent Direction  
Increasing

Elevation Basis  
Assumption

Source  
Field Measurements

Add New

| Elevation (ft) | Footing Type | Superstructure Thickness (ft) | Remarks |
|----------------|--------------|-------------------------------|---------|
| 85             | Pile Bent    | 10                            |         |

Save Cancel

ASHTOWare™ Bridge Management

Bridges > Inspection > Cross Sections

Streambed Cross Sections Scour Potential Evaluation Structure Detail Original Streambed Elevation Scour Resistant Layer

Success 2s X  
The Structure Detail Detail was saved successfully!

Copy to Right View Delete Structure Detail

**Graph Line Settings**

Name \* Structure Detail

Style \* Solid

Color \* #00FF00

**General Information**

High Water Elevation  
ft 0

High Water Year  
Unknown

Upstream Side  
Left

Downstream Side  
Right

Station Equation  
0 Stations  
+  
0 ft  
=  
0 Stations  
+  
0 ft

Elevation Equation  
ft 0  
=

Station Direction  
Increasing

Location of Base Measurement  
Top of Parapet

Bent Direction  
Increasing

Elevation Basis  
Assumption

Source  
Field Measurements

**Details**

| Station | Reference Curb/Rail Elevation (ft) | Deck Elevation (ft) | Bottom Footing Elevation (ft) | Critical Pier Scour Depth (ft) | Pile Tip Elevation (ft) | Footing Type | Superstructure Thickness (ft) | Remarks |
|---------|------------------------------------|---------------------|-------------------------------|--------------------------------|-------------------------|--------------|-------------------------------|---------|
| 0 + 0   | 102                                | 100                 |                               |                                | 85                      | Pile Bent    | 10                            |         |
| 0 + 10  | 102                                | 100                 |                               |                                | 90                      | Pile Bent    | 10                            |         |

<< < 1 > >> 1 - 2 of 2 15

Save Cancel

Add New

**Graph Line Settings**

Name \*  
Structure Detail

Style \*  
Solid

Color \*  
#00FF00

**General Information**

High Water Elevation: \_\_\_\_\_ ft

High Water Year: Unknown

Upstream Side: Left

Downstream Side: Right

Station Equation:  
0 \_\_\_\_\_ Stations  
+ \_\_\_\_\_  
0 \_\_\_\_\_ ft  
= \_\_\_\_\_  
0 \_\_\_\_\_ Stations  
+ \_\_\_\_\_  
0 \_\_\_\_\_ ft

Elevation Equation:  
\_\_\_\_\_ ft  
= \_\_\_\_\_ ft

Station Direction: Increasing

Location of Base Measurement: Top of Parapet

Bent Direction: Increasing

Elevation Basis: Assumption

Source: Field Measurements

**Details**

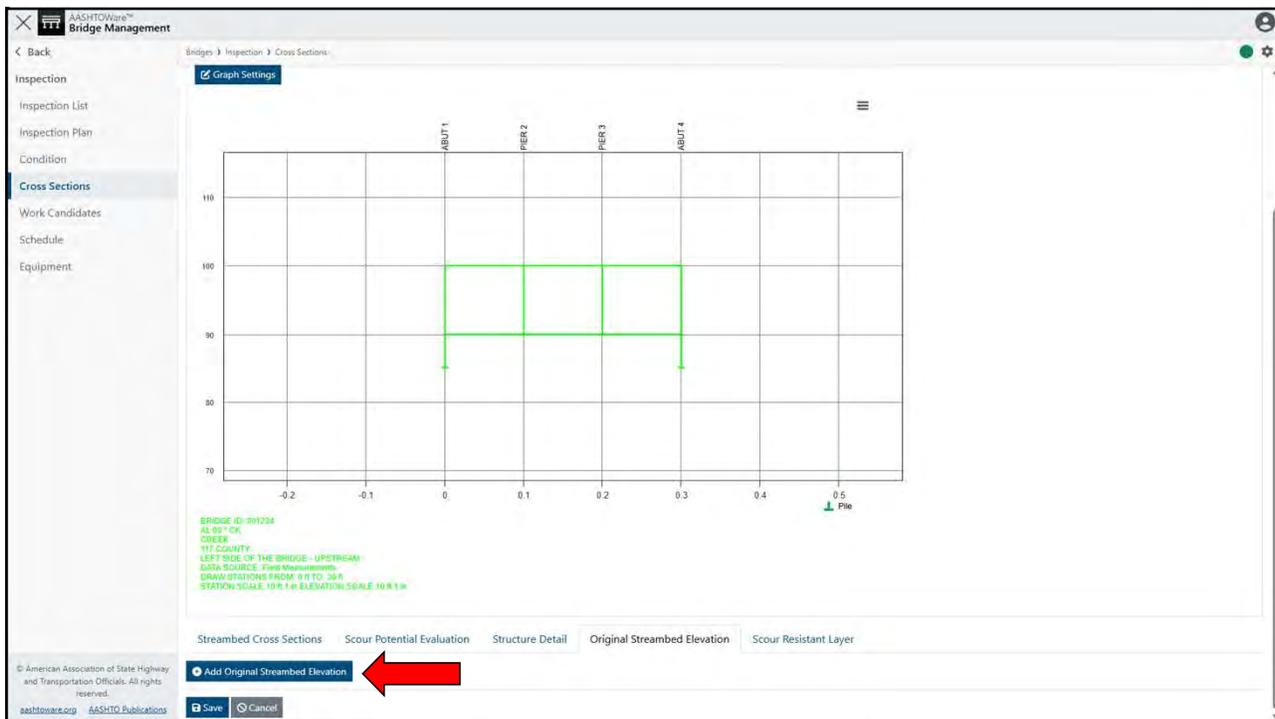
| Station 1/2 | Reference Curb/Rail Elevation (ft) | Deck Elevation (ft) | Bottom Footing Elevation (ft) | Critical Pier Scour Depth (ft) | Pile Tip Elevation (ft) | Footing Type | Superstructure Thickness (ft) | Remarks |
|-------------|------------------------------------|---------------------|-------------------------------|--------------------------------|-------------------------|--------------|-------------------------------|---------|
| 0 + 0       | 102                                | 100                 |                               |                                | 85                      | Pile Bent    | 10                            |         |
| 0 + 10      | 102                                | 100                 |                               |                                | 90                      | Pile Bent    | 10                            |         |
| 0 + 20      | 102                                | 100                 |                               |                                | 90                      | Pile Bent    | 10                            |         |
| 0 + 30      | 102                                | 100                 |                               |                                | 85                      | Pile Bent    | 10                            |         |

**Graph**

Orientation: Left View

Graph Settings

BRIDGE ID: 001234  
AL 001 OK  
CREDA  
117 COUNTY  
LEFT SIDE OF THE BRIDGE - UPSTREAM  
DATA SOURCE: Field Measurements  
DRAWN STATIONS FROM: 0 TO: 30 #  
DATE: 11/11/2011 10:00 AM



Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Copy to Right View   Delete Original Streambed Elevation

**Graph Line Settings**

Name \*  
Original Streambed Elevation

Style \*  
Solid

Color \*  
#00FF00

Show in Graph  
 Show in Legend When Graphed

**General Information**

Station Equation  
 0 Stations  
 +  
 0 ft  
 =  
 0 Stations  
 +  
 0 ft

Elevation Equation  
 0 ft  
 =  
 0 ft

Elevation Basis  
Assumption

Location of Base Measurement  
Top of Parapet

Original Month  
08

Original Year  
2018

Source  
Bottom of Topwall

Soundings/Elevations Indicator  
Elevations

**Details**

| Station 1/2            | Sounding/Elevation (ft) | Remarks |
|------------------------|-------------------------|---------|
| No records to display. |                         |         |

<< < > >> 0 - 0 of 0 15

Save   Cancel

AASTHOware™  
Bridge Management

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Inspection

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Inspection Plan

Condition

Cross Sections

Work Candidates

Schedule

Equipment

Streambed Cross Sections

Scour Potential Evaluation

Structure Detail

Original Streambed Elevation

Scour Resistant Layer

Copy to Right View

Delete Original Streambed Elevation

Graph Line Settings

Name \*

Original Streambed Elevation

Style \*

Solid

Color \*

#00FF00

Show in Graph

Show in Legend When Graphed

Details

Station #

No records to display.

Sounding/Elevation (ft)

Remarks

0 - 0 of 0 15

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Save Cancel

General Information

Create Original Streambed Elevations Detail

Orientation

Left View

Station \*

0 Stations

+

0 ft

Sounding/Elevation

85 ft

Remarks

Beginning Station

Save Cancel

Elevation Basis

Stations

Assumption

ft

Location of Base Measurement

Top of Parapet

Stations

Original Month

08

ft

Original Year

2018

ft

Source

Bottom of Toewall

ft

Soundings/Elevations Indicator

Elevations

Add New

AASTHOware™  
Bridge Management

Success 1s X

The Original Streambed Elevations Detail was saved successfully!

Back

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Inspection List

Inspection Plan

Condition

Cross Sections

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Equipment

Streambed Cross Sections

Scour Potential Evaluation

Structure Detail

Original Streambed Elevation

Scour Resistant Layer

Copy to Right View

Delete Original Streambed Elevation

Graph Line Settings

Name \*

Original Streambed Elevation

Style \*

Solid

Color \*

#00FF00

Show in Graph

Show in Legend When Graphed

Details

Station #

Sounding/Elevation (ft)

Remarks

0 + 0 85 Beginning Station

0 + 30 85 Ending Station

1 - 2 of 2 15

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Save Cancel

General Information

Station Equation

0 Stations

+

0 ft

=

0 Stations

+

0 ft

Elevation Equation

0 ft

=

0 ft

Elevation Basis

Assumption

Location of Base Measurement

Top of Parapet

Original Month

08

Original Year

2018

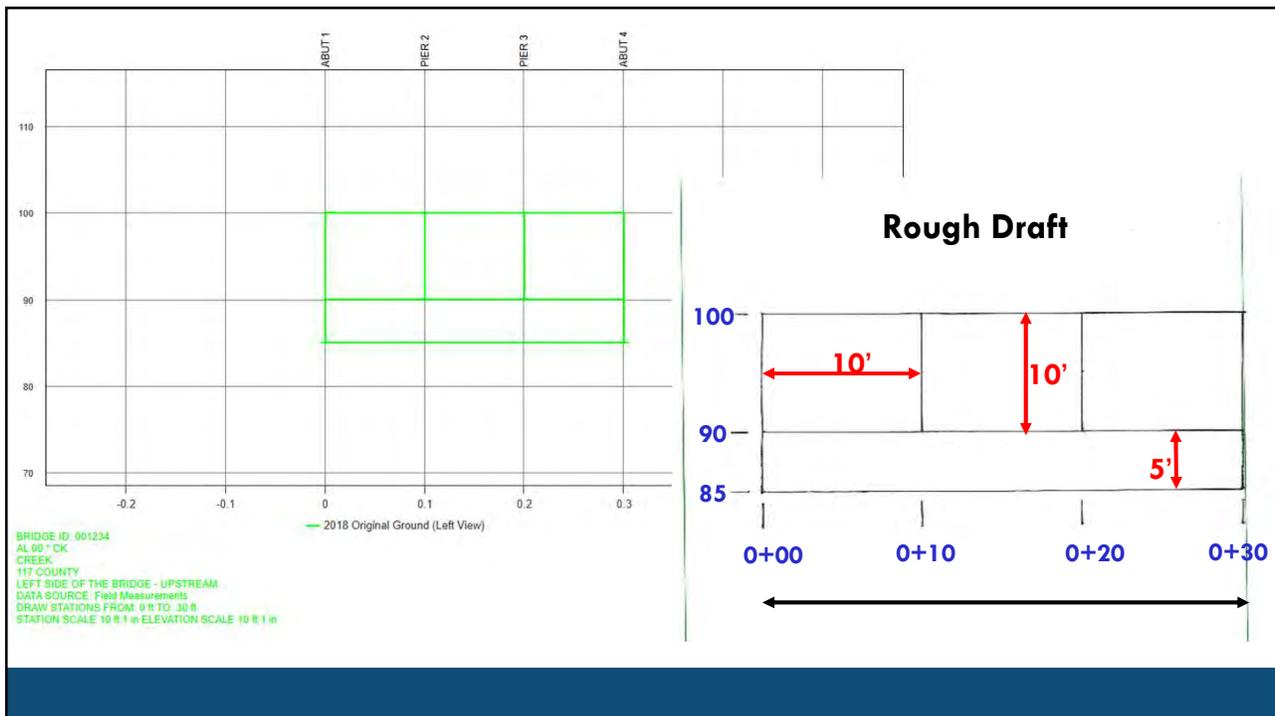
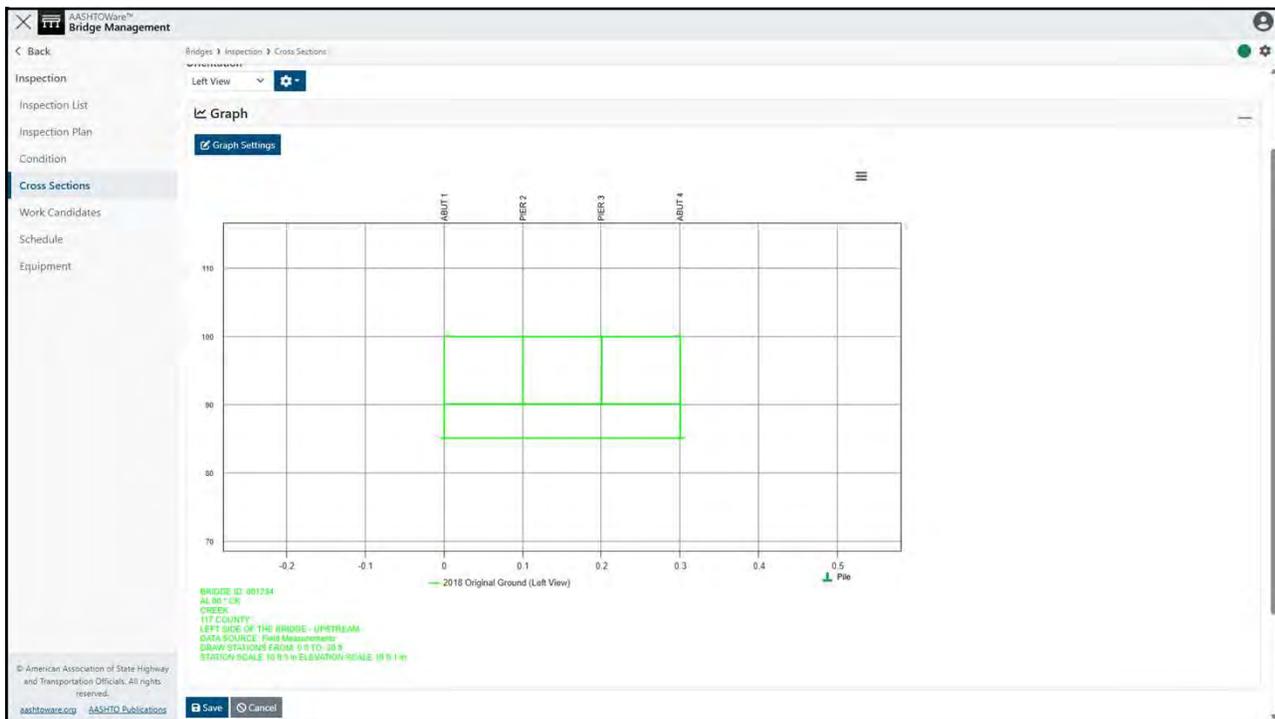
Source

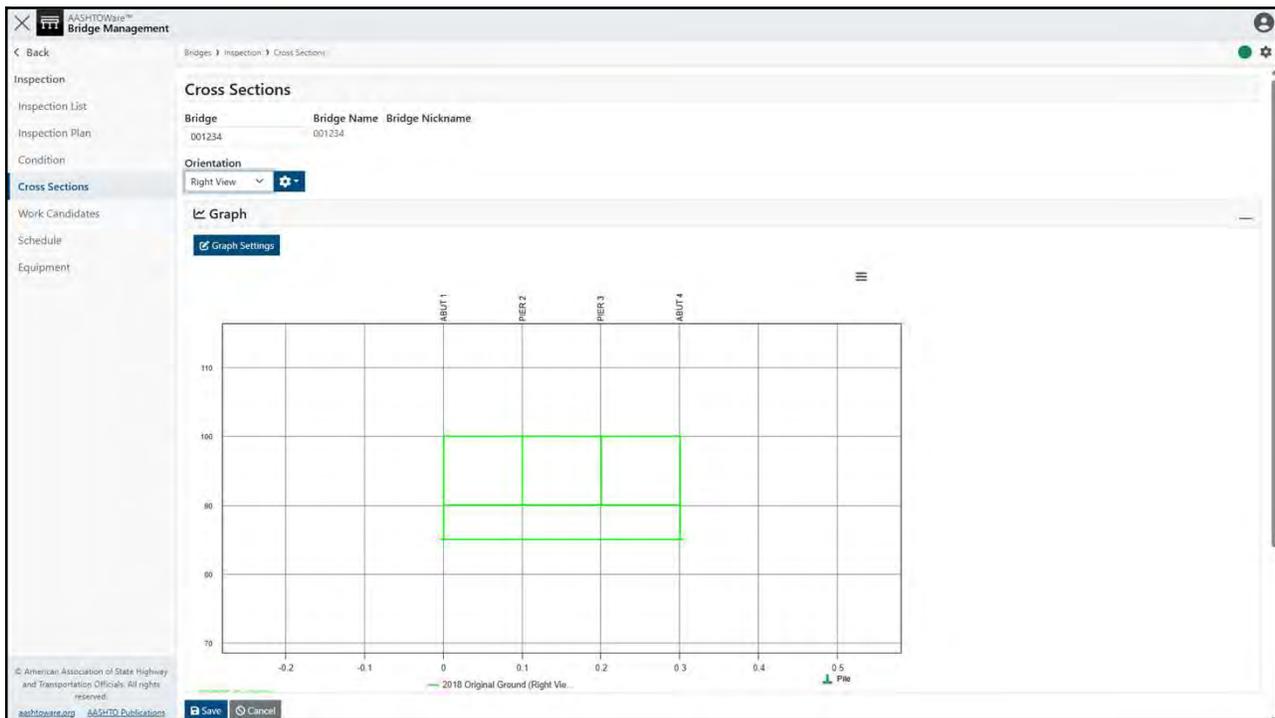
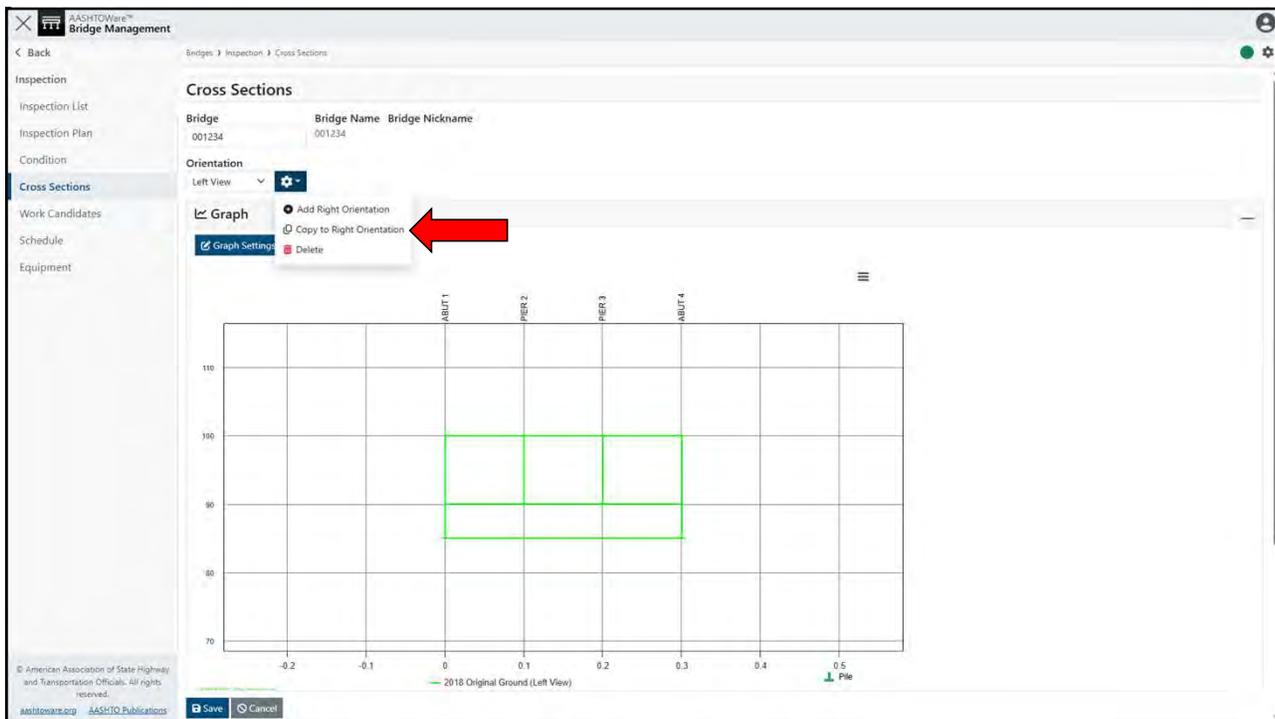
Bottom of Toewall

Soundings/Elevations Indicator

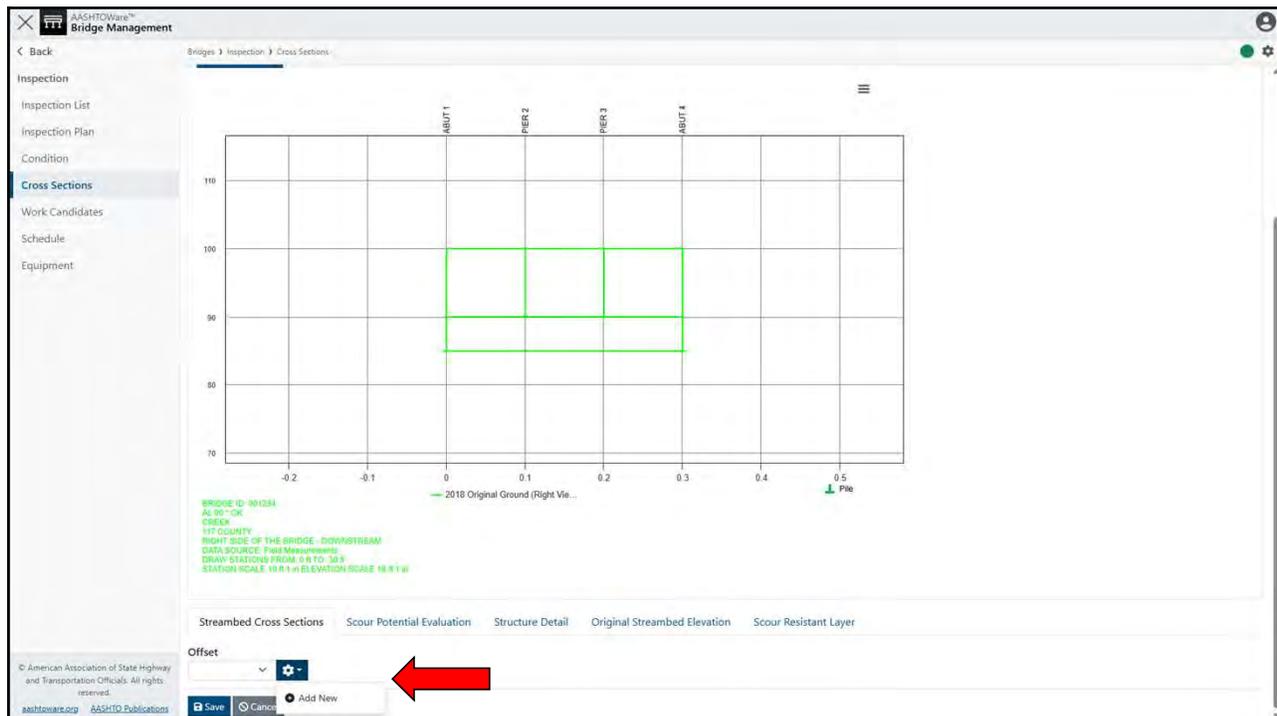
Elevations

Add New





# Soundings Example



ASHTOware™ Bridge Management

Back

Inspection

- Inspection List
- Inspection Plan
- Condition
- Cross Sections**
- Work Candidates
- Schedule
- Equipment

BRIDGE ID: 001234  
 ALID: CK  
 CREEK  
 111 COUNTY  
 LEFT SIDE OF THE BRIDGE - UPSTREAM  
 DATA SOURCE: Field Measurements  
 DRAW STATIONS FROM 0.10 TO 0.30  
 STATION SCALE: 10:1 IN ELEVATION SCALE: 10:1 IN

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Offset

15

Save Cancel

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ASHTOware™ Bridge Management

Back

Inspection

- Inspection List
- Inspection Plan
- Condition
- Cross Sections**
- Work Candidates
- Schedule
- Equipment

BRIDGE ID: 001234  
 ALID: CK  
 CREEK  
 111 COUNTY  
 LEFT SIDE OF THE BRIDGE - UPSTREAM  
 DATA SOURCE: Field Measurements  
 DRAW STATIONS FROM 0.10 TO 0.30  
 STATION SCALE: 10:1 IN ELEVATION SCALE: 10:1 IN

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

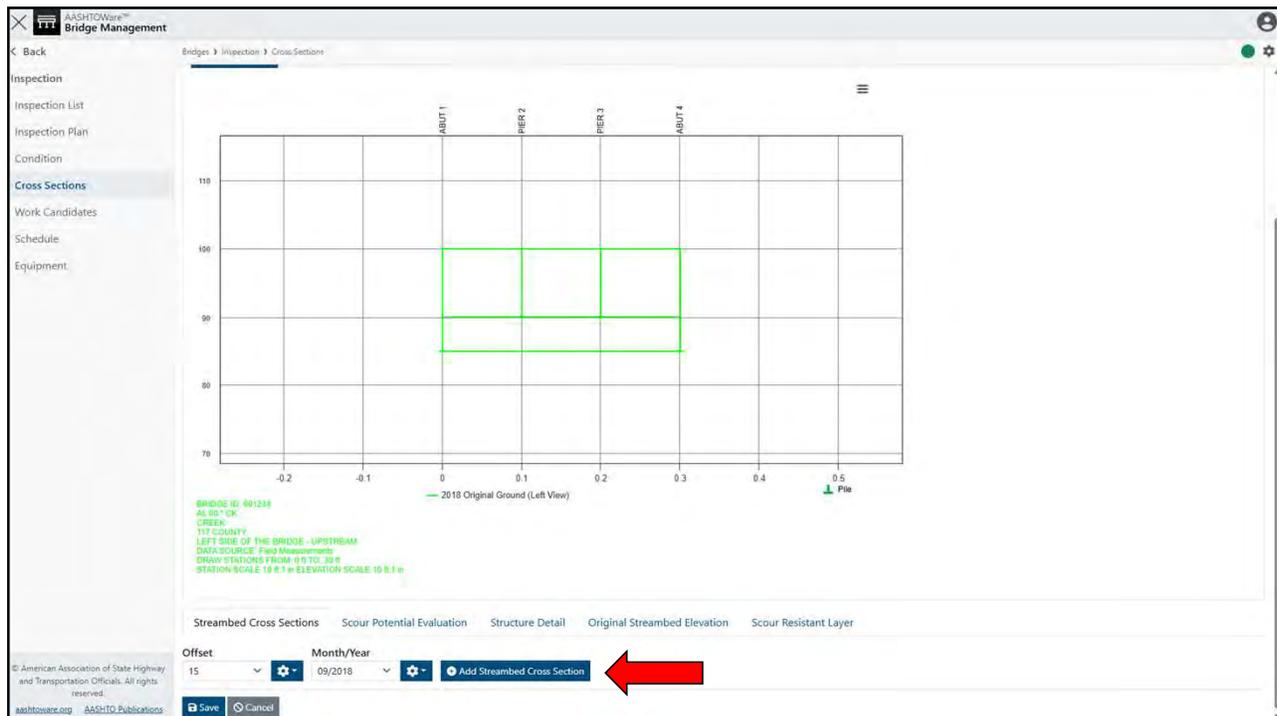
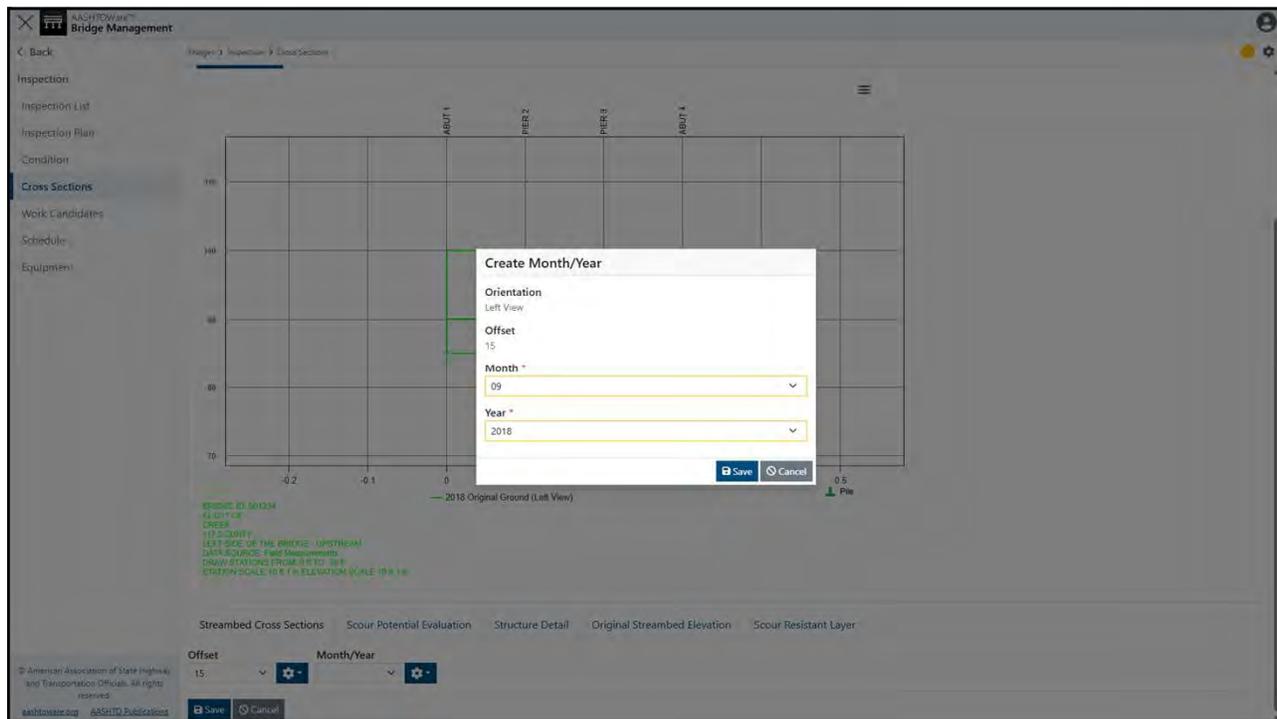
Offset

15

Month/Year

Save Cancel Add New

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**AASHTOWare™ Bridge Management**

Back > Inspection > Cross Sections

Streambed Cross Sections Scour Potential Evaluation Structure Detail Original Streambed Elevation Scour Resistant Layer

Offset: 15 Month/Year: 09/2018

**Graph Line Settings**

Name: Streambed Cross Section

Style: Solid

Color: #FF0000

Show in Graph

Show in Legend When Graphed

**General Information**

Station Equation: 0 Stations

+ 0 ft

= 0 Stations

+ 0 ft

Elevation Equation: 0 ft

= 0 ft

Soundings/Elevations Indicator: Soundings

Location of Base Measurement: Top of Parapet

Offset Remark: From Centerline

Elevation Basis: Assumption

Water Surface: ft

Bridge Inspection:

**Details**

| Station                | Sounding/Elevation (ft) | Remarks |
|------------------------|-------------------------|---------|
| No records to display. |                         |         |

0 - 0 of 0 15

Save Cancel Add New

**AASHTOWare™ Bridge Management**

Back > Inspection > Cross Sections

Streambed Cross Sections Scour Potential Evaluation Structure Detail Original Streambed Elevation Scour Resistant Layer

Offset: 15 Month/Year: 09/2018

**Graph Line Settings**

Name: Streambed Cross Section

Style: Solid

Color: #FF0000

Show in Graph

Show in Legend When Graphed

**Details**

| Station                | Sounding/Elevation (ft) | Remarks |
|------------------------|-------------------------|---------|
| No records to display. |                         |         |

0 - 0 of 0 15

Save Cancel Add New

**Create Streambed Cross Sections Detail**

Orientation: Left View

Offset: 15

Month/Year: 09/2018

Station: 0 Stations

+ 0 ft

Sounding/Elevation: 11.5 ft

Remarks:

Save Cancel

**ASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

**Inspection**

- Inspection List
- Inspection Plan
- Condition
- Cross Sections**
- Work Candidates
- Schedule
- Equipment

**Name \***  
Streambed Cross Section

**Style \***  
Solid

**Color \***  
#FF0000

Show in Graph

Show in Legend When Graphed

**Station Equation**

0      Stations

+      ft

0      Stations

+      ft

0      Stations

+      ft

**Elevation Equation**

0      ft

=      ft

0      ft

**Soundings/Elevations Indicator**  
Soundings

**Location of Base Measurement**  
Top of Parapet

**Offset Remark**  
From Centerline

**Elevation Basis**  
Assumption

**Water Surface**  
ft

**Bridge Inspection**

**Details**

[Add New](#)

| Station ft ± | Sounding/Elevation (ft) | Remarks |
|--------------|-------------------------|---------|
| 0 + 0        | 11.5                    |         |
| 0 + 5        | 11.9                    |         |
| 0 + 10       | 12.35                   |         |
| 0 + 15       | 12.7                    |         |
| 0 + 20       | 12.9                    |         |
| 0 + 25       | 13.2                    |         |
| 0 + 30       | 13.5                    |         |

« < 1 > » 1 - 7 of 7 15 ▾

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[Save](#) [Cancel](#)

**ASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

**Inspection**

- Inspection List
- Inspection Plan
- Condition
- Cross Sections**
- Work Candidates
- Schedule
- Equipment

**Cross Sections**

Bridge: 001234      Bridge Name:      Bridge Nickname: 001234

**Orientation**  
Left View

**Graph**

[Graph Settings](#)

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ASHTOware™ Bridge Management

Back

Inspection

Inspection List

Inspection Plan

Condition

Cross Sections

Work Candidates

Schedule

Equipment

Bridge 001234

Orientation Left View

Graph

Graph Settings

Plot Background Color: White

Latest Cross Section Color: #FF0000

Lines to Draw

| <input checked="" type="checkbox"/> | Month/Year       | Offset | Orientation | Water Surface |
|-------------------------------------|------------------|--------|-------------|---------------|
| <input checked="" type="checkbox"/> | 09/2018 Sounding | 15     | Left View   |               |

Scour Lines

Q Frequency: Scour Box

No records to display.

Scales

Station: 10 ftin | Elevation: 10 ftin | Reset

Range

Station Min Value: -0.28 ft | Station Max Value: 0.58 ft | Reset Station

Elevation Min Value: 68.5 ft | Elevation Max Value: 116.5 ft | Reset Elevation

Ok

Save Cancel

ASHTOware™ Bridge Management

Back

Inspection

Inspection List

Inspection Plan

Condition

Cross Sections

Work Candidates

Schedule

Equipment

Bridges Inspection Cross Sections

001234

Orientation Left View

Graph

Graph Settings

BRIDGE ID: 001234  
 AL 89' OK  
 CREEK  
 115 COUNTY  
 LEFT SIDE OF THE BRIDGE - UPSTREAM  
 DATA SOURCE: Field Measurements  
 DRAWN SYSTEMS FROM G B T D 38 B  
 09/2018 09/18 2018 09/18 09/18 09/18 09/18 09/18

Save Cancel

**AASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Offset: 15   Month/Year: 09/2018

**Graph Line Settings**

Name: Streambed Cross Section

Style: Solid

Color: #FF0000

Show in Graph

Show in Legend When Graphed

**General Information**

Station Equation: 0 Stations

Elevation Equation: 0 ft

Soundings/Elevations Indicator: Soundings

Location of Base Measurement: Top of Parapet

Offset Remark: From Centerline

Elevation Basis: Assumption

Water Surface: ft

Bridge Inspection:

**Details**

| Station | Sounding/Elevation (ft) | Remarks |
|---------|-------------------------|---------|
| 0 + 0   | 11.5                    |         |
| 0 + 5   | 11.9                    |         |
| 0 + 10  | 12.35                   |         |
| 0 + 15  | 12.7                    |         |
| 0 + 20  | 12.9                    |         |

Buttons: Save, Cancel, Copy to Right View, Delete Streambed Cross Section

**AASHTOWare™ Bridge Management**

Bridges > Inspection > Cross Sections

Streambed Cross Sections   Scour Potential Evaluation   Structure Detail   Original Streambed Elevation   Scour Resistant Layer

Offset: 15   Month/Year: 09/2018

**Graph Line Settings**

Name: Streambed Cross Section

Style: Solid

Color: #FF0000

Show in Graph

Show in Legend When Graphed

**General Information**

Station Equation: 0 Stations

Elevation Equation: 0 ft

Soundings/Elevations Indicator: Soundings

Location of Base Measurement: Top of Parapet

Offset Remark: From Centerline

Elevation Basis: Assumption

Water Surface: ft

Bridge Inspection:

**Details**

| Station | Sounding/Elevation (ft) | Remarks |
|---------|-------------------------|---------|
| 0 + 0   | 11.5                    |         |
| 0 + 5   | 11.9                    |         |
| 0 + 10  | 12.35                   |         |
| 0 + 15  | 12.7                    |         |
| 0 + 20  | 12.9                    |         |
| 0 + 25  | 13.2                    |         |
| 0 + 30  | 13.5                    |         |

Buttons: Save, Cancel, Copy to Left View, Delete Streambed Cross Section

AASTONWare™  
Bridge Management

Back

Inspection 15 09/2018

Copy to Left View Delete Streambed Cross Section

Graph Line Settings

Name \*  
Streambed Cross Section

Style \*  
Solid

Color \*  
#FF0000

Show in Graph

Show in Legend When Graphed

Details

Station  $\frac{ft}{ft}$

|        |  |  |
|--------|--|--|
| 0 + 0  |  |  |
| 0 + 5  |  |  |
| 0 + 10 |  |  |
| 0 + 15 |  |  |
| 0 + 20 |  |  |
| 0 + 25 |  |  |
| 0 + 30 |  |  |

Station Equation  
0  
+  
0

Soundings/Elevations Indicator  
Soundings

Location of Base Measurement  
Top of Parapet

Offset Remark  
From Centerline

Elevation Basis  
Assumption

Water Surface

Bridge Inspection

Elevation (ft) Remarks

|       |  |
|-------|--|
| 11.5  |  |
| 11.9  |  |
| 12.35 |  |
| 12.7  |  |
| 12.9  |  |
| 13.2  |  |
| 13.5  |  |

Save Cancel Delete

Save Cancel

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Edit Streambed Cross Sections Detail

Orientation  
Right View

Offset  
15

Month/Year  
09/2018

Station \*  
0 Stations  
+  
0 ft

Soundings/Elevation  
13 ft

Remarks

Save Cancel Delete

AASTONWare™  
Bridge Management

Back

Inspection 15 09/2018

Copy to Left View Delete Streambed Cross Section

Graph Line Settings

Name \*  
Streambed Cross Section

Style \*  
Solid

Color \*  
#FF0000

Show in Graph

Show in Legend When Graphed

Details

Station  $\frac{ft}{ft}$

|        |    |  |
|--------|----|--|
| 0 + 0  | 13 |  |
| 0 + 5  | 13 |  |
| 0 + 10 | 15 |  |
| 0 + 15 | 16 |  |
| 0 + 20 | 15 |  |
| 0 + 25 | 13 |  |
| 0 + 30 | 14 |  |

Station Equation  
0  
+  
0  
=

Elevation Equation  
0  
=

Soundings/Elevations Indicator  
Soundings

Location of Base Measurement  
Top of Parapet

Offset Remark  
From Centerline

Elevation Basis  
Assumption

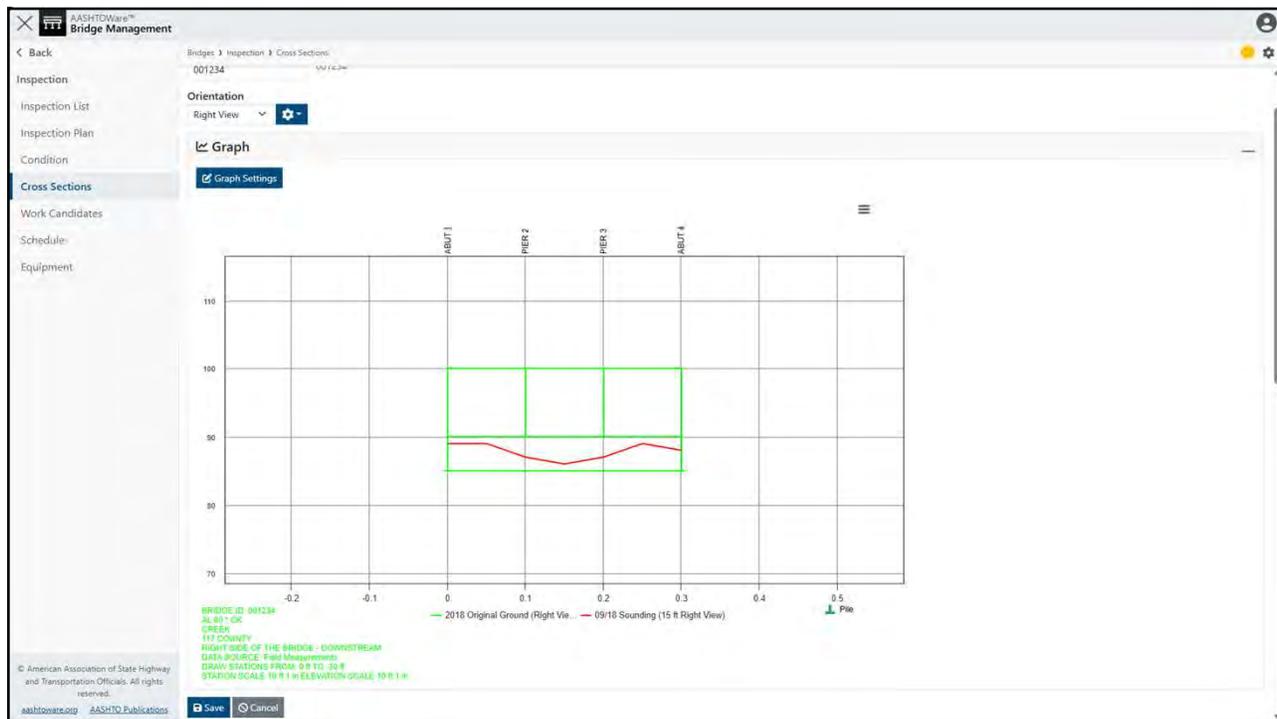
Water Surface

Bridge Inspection

Elevation (ft) Remarks

Save Cancel

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## Entering Soundings in BrM

- You should always review the graph of your structures when new data is entered, or changes are made.
- Most errors can be found by reviewing the data and printing the graphs.

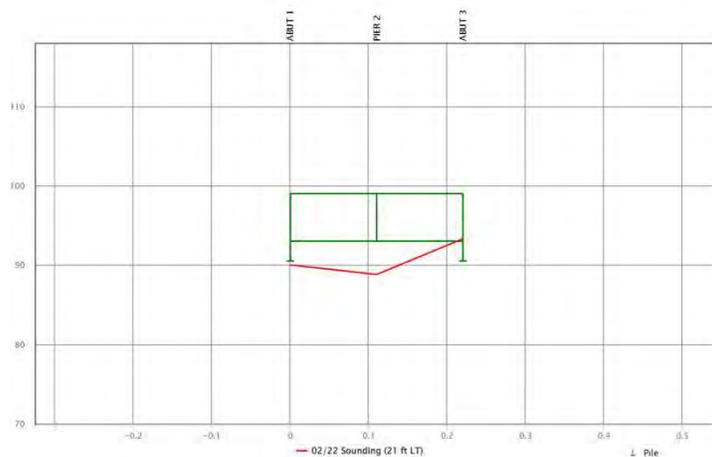
# Common Errors

---

## Common Errors – Ex: 1

---

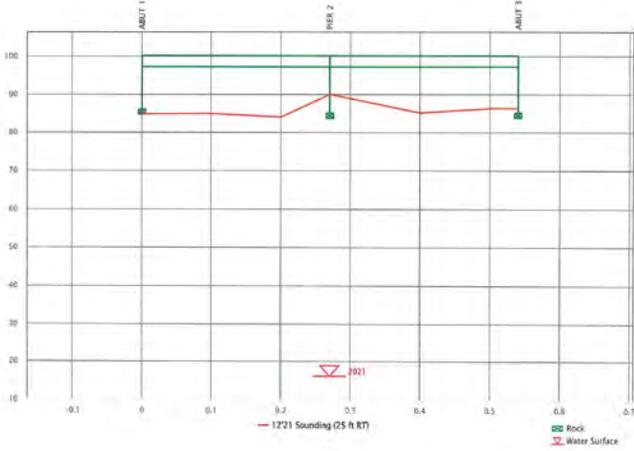
Missing the bottom of the toewall.



# Common Errors – Ex: 2

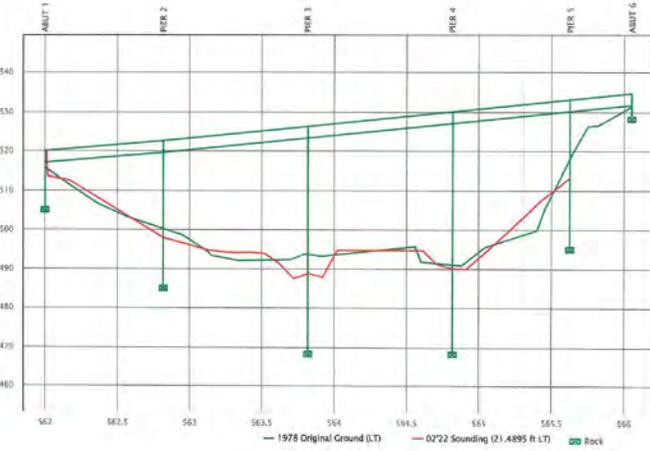
The “Water Surface Elevation” is on a different elevation datum than the bridge.

- Deck Elevation – 100.0
- High Water Elevation – 18



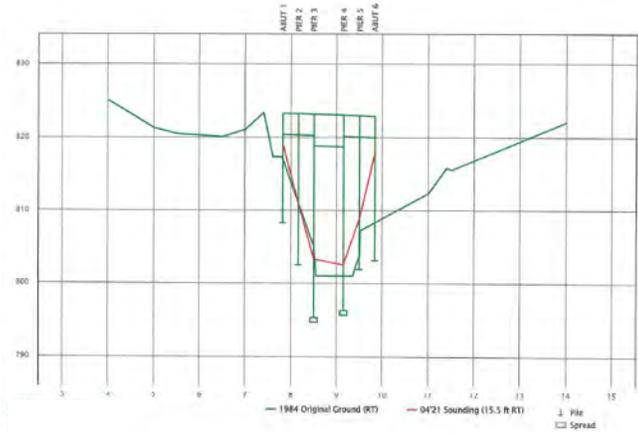
# Common Errors – Ex: 3

Cross-section does not go from abutment to abutment.



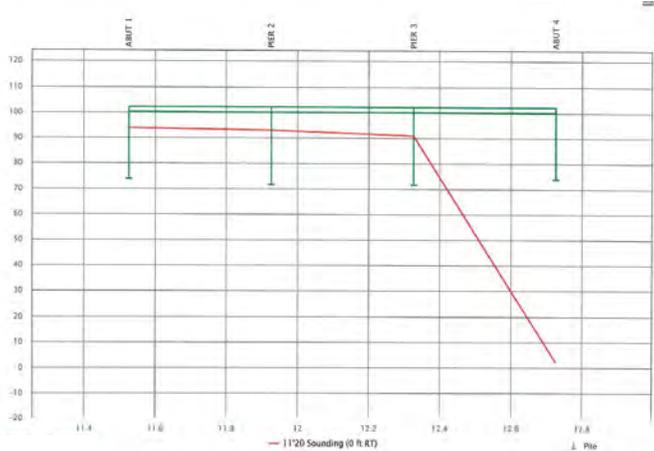
# Common Errors – Ex: 4

The original ground line extends beyond the abutments.



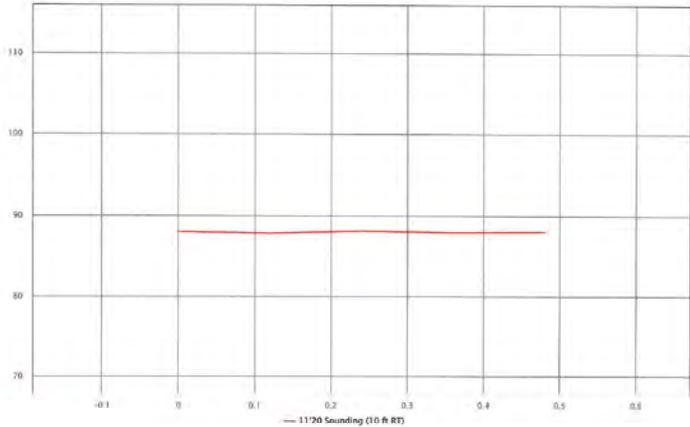
# Common Errors – Ex: 5

Cross-section at abutment 4 entered incorrectly.



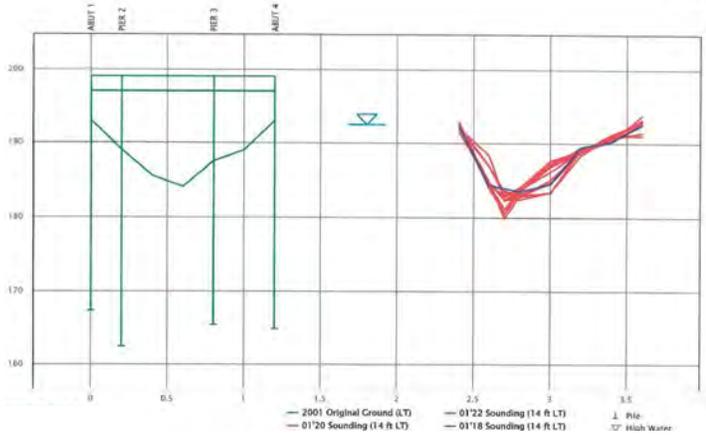
# Common Errors – Ex: 6

No structure detail entered.



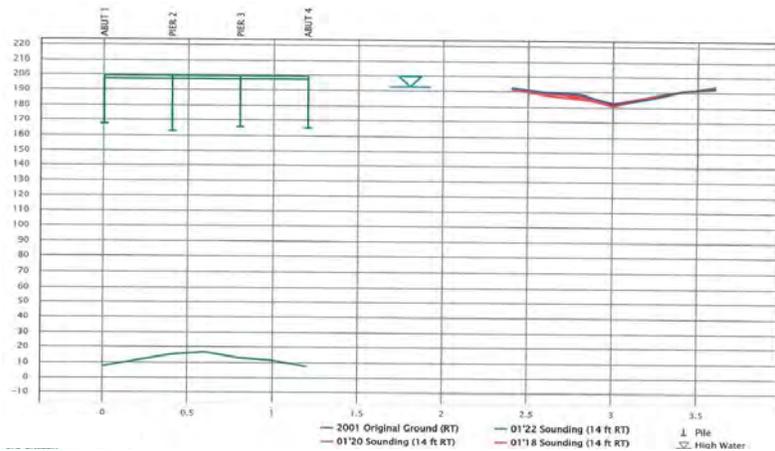
# Common Errors – Ex: 7

A station equation was used for the cross-sections that was not entered on the structure detail.



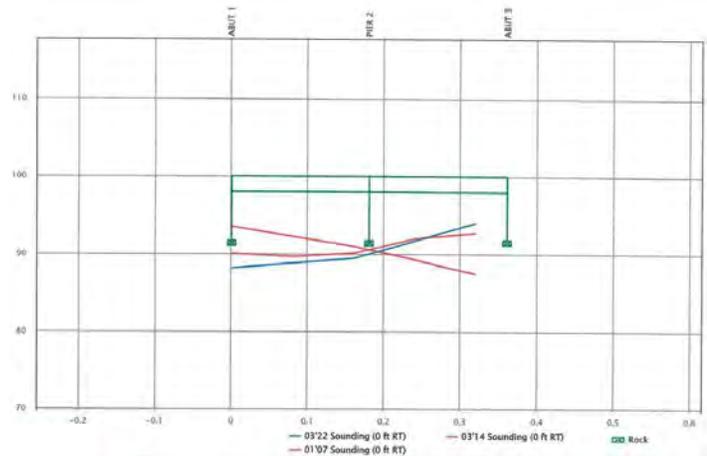
## Common Errors – Ex: 8

Station equation error on cross-sections. The OGL indicator was selected as elevations and entered as sounding measurements.



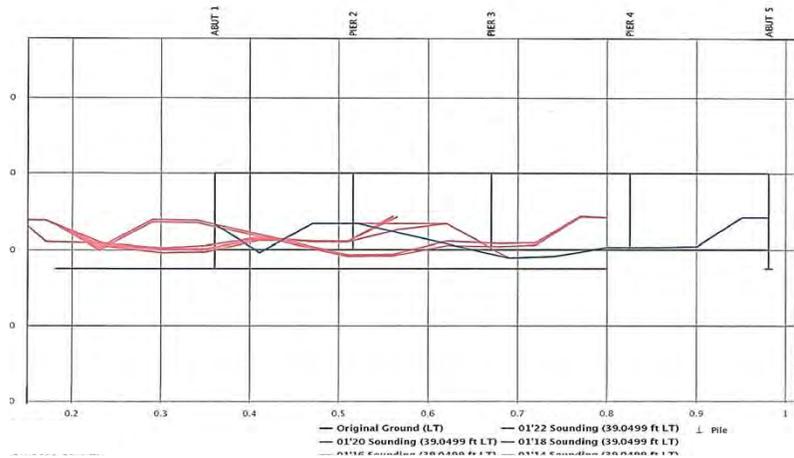
## Common Errors – Ex: 9

The direction of the streambed cross-section was changed.



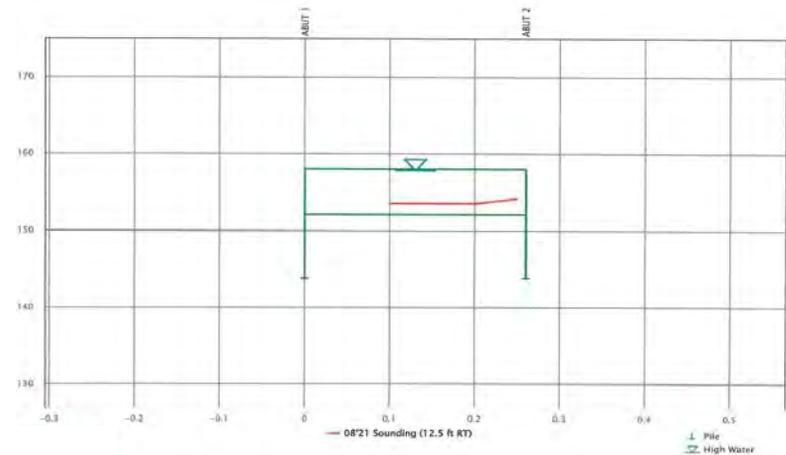
## Common Errors – Ex: 10

Structure detail, OGL, and cross-sections begin at different stations.



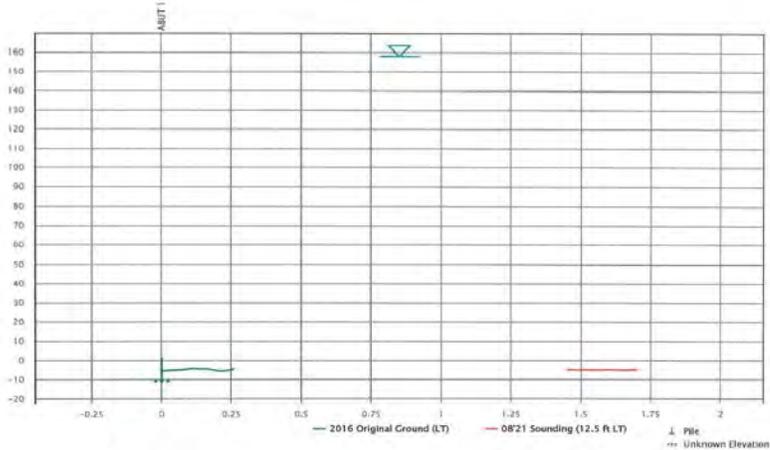
## Common Errors – Ex: 11

Cross-sections do not extend the entire length of the structure.



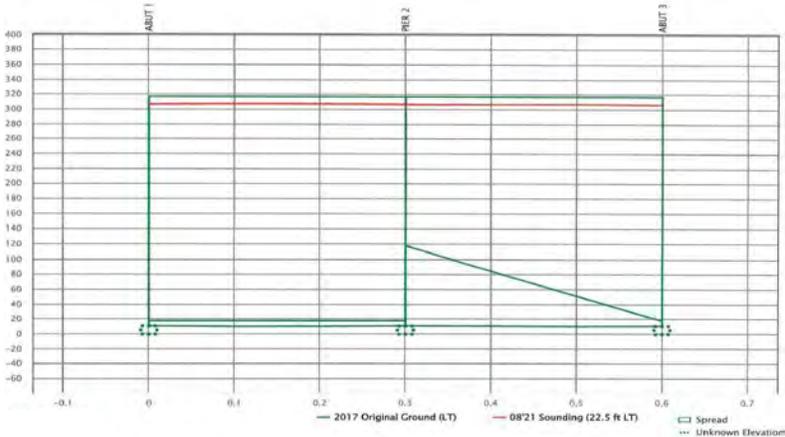
# Common Errors – Ex: 12

Structure detail incomplete and the cross-section does not align with the structure.



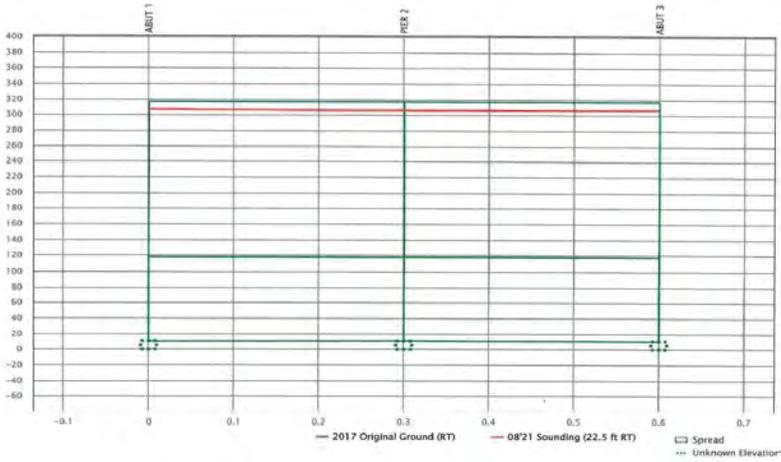
# Common Errors – Ex: 13

OGI error on the Left Side.



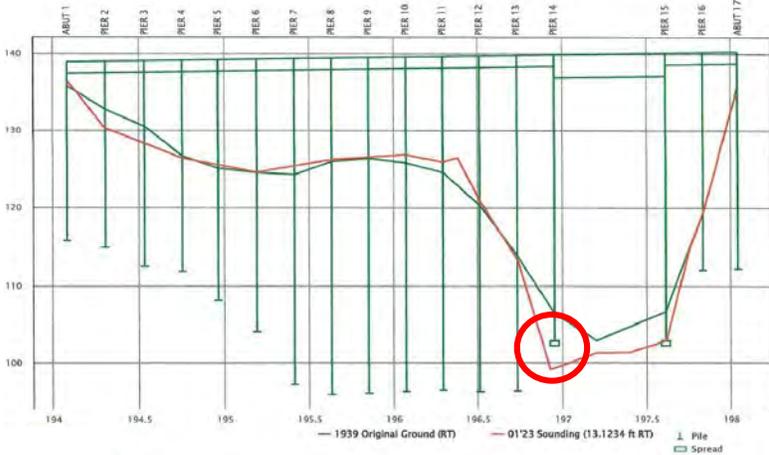
# Common Errors – Ex: 13

OGI error on the Right Side.



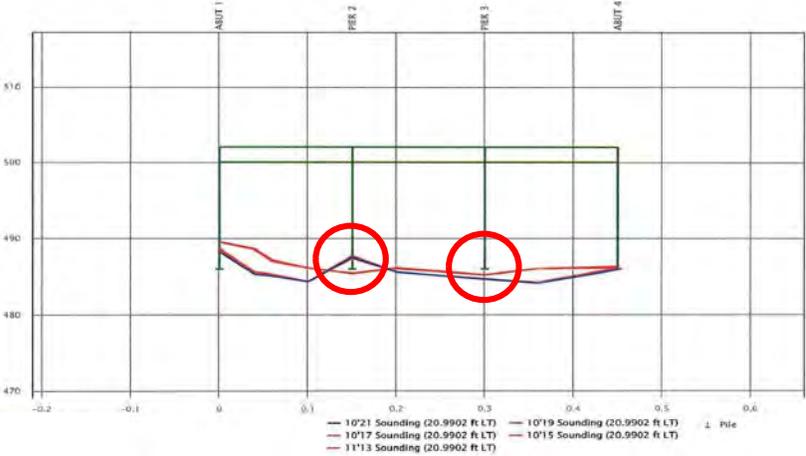
# Common Errors – Ex: 14

Streambed cross-section goes below the footing at Pier 14.



# Common Errors – Ex: 15

Streambed cross-section goes below the piles at Piers 2 & 3.



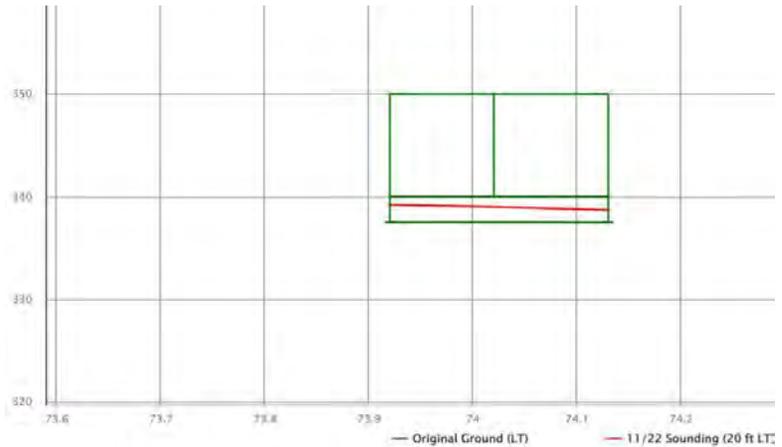
# Common Errors – Ex: 16

12'19 cross-section is not plotting.



## Common Errors – Ex: 17

Not enough measurements were taken to produce an accurate cross-section.



## Common Errors – Ex: 17

Not enough measurements were taken to produce an accurate cross-section.

**Streambed Cross Sections** Month/Year: 11/2022 Create Copy Delete Offset: 20

**General Info**

Station EQ: 0 + 0 = 0 + 0 Elev EQ: 0 = 0

Snd/Elev Indicator: Soundings Location of BM: CENTERLINE

Offset Remark: CENTERLINE TO CURB Elev Basis: Plans

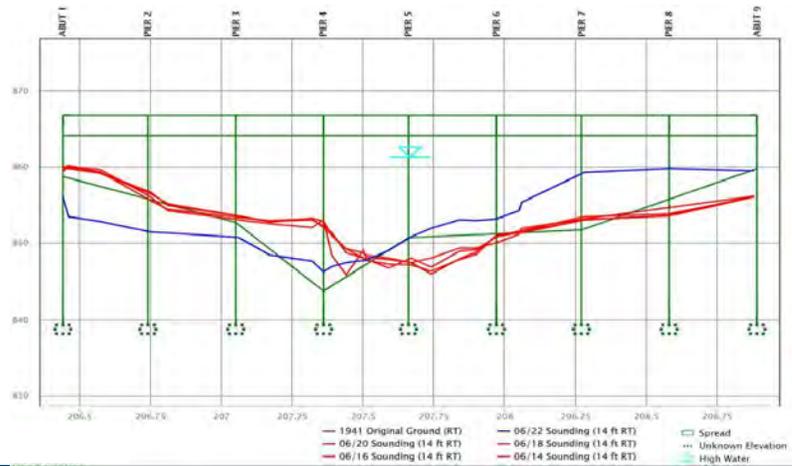
Water Surface:

**Details**

| Station | Snding/Elev | Remarks     |
|---------|-------------|-------------|
| 0 + 0   |             |             |
| 73 + 32 | 13          | AB-1 (West) |
| 74 + 2  | 11.1        | B-2         |
| 74 + 13 | 10.4        | AB-3 (East) |

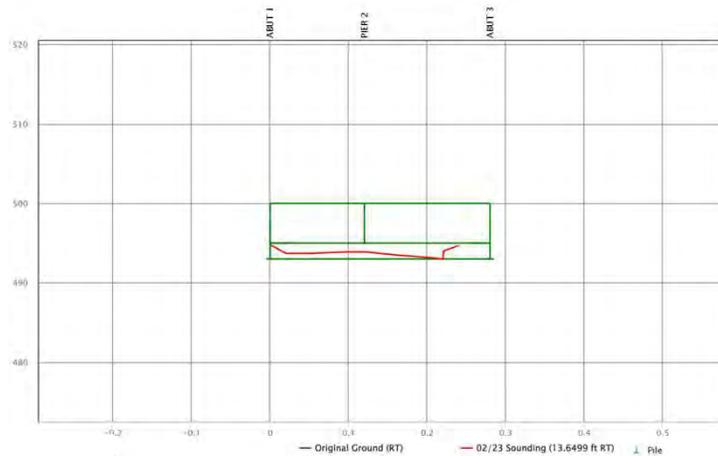
## Common Errors – Ex: 18

The direction of the streambed cross-sections was changed.



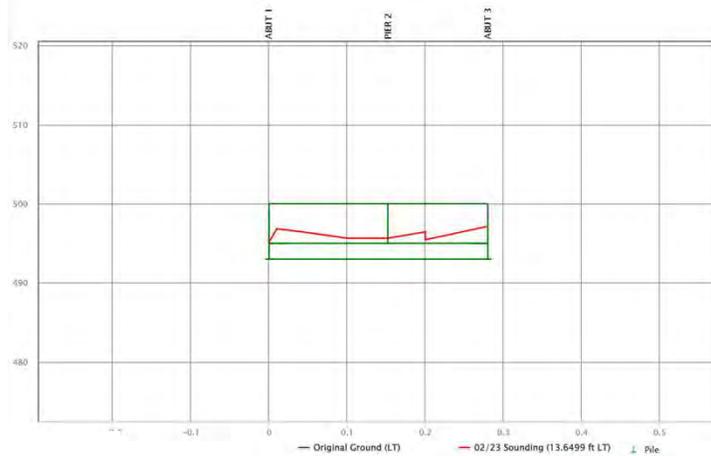
## Common Errors – Ex: 19

Left side barrel sizes do not match right side barrel sizes.



## Common Errors – Ex: 19

Left side barrel sizes do not match right side barrel sizes.



## Common Errors – Ex: 20

Data does not match structure details.

Inspection > Inventory > Design

| Deck                             |                       |
|----------------------------------|-----------------------|
| Deck Structure Type (107)        | N N/A (NBI)           |
| Deck Surface Type (108A)         | N N/A (no deck (NBI)) |
| Deck Membrane Type (108B)        | N N/A (no deck (NBI)) |
| Deck Protection (108C)           | N N/A (no deck (NBI)) |
| Curb Sidewalk width/Left (060A)  | 0.000 ft              |
| Curb Sidewalk width/Right (060B) | 0.000 ft              |
| Deck Width (052)                 | 0.000 ft              |
| Bridge Median (033)              | 0 No median           |
| Deck Area:                       | 1352.406 sq ft        |

| Structure Status        |           |
|-------------------------|-----------|
| Bridge Status:          | 3 Active  |
| Bridge Lifecycle Phase: | 1 Service |

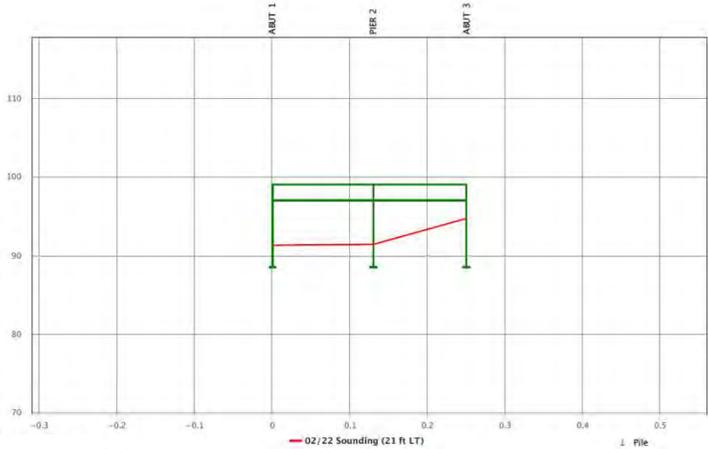
| Spans                          |                    |
|--------------------------------|--------------------|
| Number of Main Spans (048)     | 3                  |
| Main Spans Material (043A)     | 1 Concrete         |
| Main Spans Design (043B)       | 19 Culvert         |
| Number of Approach Spans (046) | 0                  |
| Approach Span Material (044A)  | Not Applicable (P) |
| Approach Span Design (044B)    | Not Applicable (P) |
| Skew (034)                     | 0                  |
| Structure Flared (035)         | 0 No flare         |

| Length                    |           |
|---------------------------|-----------|
| Maximum Span Length (048) | 10.000 ft |
| Structure Length (049)    | 32.200 ft |
| Total Length              | 32.200 ft |

# Common Errors – Ex: 20

Data does not match structure details.



# Questions

## Contact Information

---

Johnathon Roberts

[robertsj@dot.state.al.us](mailto:robertsj@dot.state.al.us)

(334) 242-6624

Aaron Kirkus

[kirkusae@dot.state.al.us](mailto:kirkusae@dot.state.al.us)

(334) 242-6583

Aspen Golden

[goldenam@dot.state.al.us](mailto:goldenam@dot.state.al.us)

(334) 242-6283

Donna Furr

[furrd@dot.state.al.us](mailto:furrd@dot.state.al.us)

(334) 242-6646

# 2025 Bridge Inspection Refresher Training

## Local Transportation Bureau Update

James Boyer, P.E.  
Deputy Bureau Chief  
Local Transportation

John David Palmer  
Local Bridge Engineer  
Local Transportation

### 2025 Update

- Bridge Inspection Reviews
  - Hall Of Shame
  - Hall of Fame
- Local Bridge Repairs
- EBIT Site Visits
- Posting Certification
- \*NEW\* SNBI Field Pocket Guide



# Hall of Shame



# Overdue Inspections



~~Issues~~

**Excuses**

- Transition To New BrM
  - Too Slow
  - Can't Find Things
- Planning Report Issues
  - Doesn't Get Emailed
  - Not Reliable
- SNBI Data Collection
  - Takes Too much Time
  - Confusing

- Solutions

- It's NOT new Anymore (April)
  - Updates Every Month
  - Training / Green Book / Experience
- It's Working and is Easier to Read
  - Emails Coming Soon!
  - Users can RUN their own Report
  - Dashboards!!
- Only During Routine Inspections
  - Training Classes / Green Book
  - Experience
  - SNBI Email Hotline



# Inspection Forms



- Not Updating BI-5's from Previous Inspections
  - No Changes in the Quantity of Condition States
  - No new Defects listed since the initial Element Inspection
  - No Handwritten Notes of any kind
- Not Updating BI-4's from Previous Inspections
  - No Changes in Sounding Elevations
  - No Handwritten Notes of any kind



# Inspector Certification



- Non-Certified Bridge Inspectors Conducting Inspections
  - Actually Signing the BI-5 Forms
    - Can no longer be selected in BrM
  - Conducting the Inspections and Others Signing the Forms
    - Technically Falsifying Documents



## SNBI Data



- Required Since April 2025 on ALL Routine Inspections
- Incorrectly Recording the New SNBI Inventory Data
  - Misinterpreting Items or Overlooking them
- Agencies **NOT** Collecting the New SNBI Inventory Data
  - 1,113 Routine Inspections (May- Aug 2025)
    - 633 of those have no / incomplete SNBI Data Entered
    - 22,120 Validation Errors in BrM
    - 96 Different Bridge Owners (227 Total Bridge Owners in AL)



## Bridge Files



- Bridge Files Not Having ALL of the Required Documentation
  - Pictures of Defects
  - Sketches / Drawings of Inspection Results
  - NSTM Items Identified
  - \*NEW\* NSTM Inspection Procedures
- Bridge Files Not Having ANY of the Required Documentation
  - 5+ Years of Nothing!

# Hall of Shame

Currently in 2025

- 4 Local Agencies in Non-Compliance (Most Ever)
  - 2 Counties
  - 2 Municipalities

Due to :

- Excessive Overdue Inspections
- Inaccurate Inspections
  - Elements, Quantities, Condition Grades / States
- Inspections Not Identifying Critical Defects
  - Section loss that reduces load carrying capacity



# Hall of Fame



# Bridge Files



- Bridge Files Containing:
  - BI Forms with Handwritten Updates and Notes
  - Inspection Narratives that Clearly Describe Structure
  - Detailed Sketch's with Updated Notes
  - Recent Pictures of Relevant Defects
- Well Organized Files in High Quality Folders or Binders
- Dedicated File Cabinet / Room for Bridge Files

# Bridge Files



FORM BI-5 Inspection Report Sheet 1 of 4  
 BIN: 1 REC. Form: 5/2/03

PREVIOUS INSP. DATE: 09/02/04  
 PREVIOUS INSP. TYPE: Regular MI

NEW DATE: 7-2-25  
 NEW INSP. TYPE: 1-2-7

| RATING                           | CURRENT | NEW |
|----------------------------------|---------|-----|
| 58) DECK RATING                  | 5       | 5   |
| 59) SUPERSTRUCTURE RATING        | 4       | 4   |
| 60) SUBSTRUCTURE RATING          | 5       | 5   |
| 61) CHANNEL & CHANNEL PROTECTION | 5       | 5   |
| 62) CULVERT RATING               | N       | N   |

REMARKS  
 CHANNEL SOME SCOUR UPSTREAM BANKS UNDERCUTTING DECK WOODEN RUNNERS & DECK BOARDS HAVE MINOR DEGRADATION & SOME LOOSE RUNNERS HAVE SPLITS. CURB & BAIL POST DAMAGED N.E. APPROACH END. SUPER HEAVY RUST & PITTING ON ALL BEAMS AT ABUT 1. BEAM 3 AT ABUT 1 HAS HOLES RUSTED THROUGH THE WEB. ALL BEAMS HAVE SOME SECTION LOSS. S&B CONCRETE WAS POURED AT SOUTH ABUT & PIER 2. CONCRETE BASE PLACED AT NORTH ABUT. The curbs and some plywood over some of the rubber liners but it doesn't help with the stability of the bridge.

| MISCELLANEOUS                       | CURRENT | NEW |
|-------------------------------------|---------|-----|
| 71) WATERWAY ADEQUACY               | 5       | 5   |
| 72) APPROACH ROADWAY ADEQ APPRAISAL | 5       | 5   |
| 36) TRAFFIC SAFETY FEATURES         | 0       | 0   |
| A) BRIDGE RAIL                      | 0       | 0   |
| B) TRANSITION                       | 0       | 0   |
| C) APPROACH RAIL                    | 0       | 0   |
| D) END TREATMENT                    | 0       | 0   |

LOAD POSTING SIGNS:  
 A) REQUIRED: N  
 B) PRESENT: N  
 C) VISIBLE: N  
 D) LEGIBLE: N

PREVIOUS INSP. DATE: 08/30/2023  
 PREVIOUS INSP. TYPE: Underwater

NEW DATE: 3-6-25  
 NEW INSP. TYPE: N

| RATING                           | CURRENT | NEW |
|----------------------------------|---------|-----|
| 55) DECK RATING                  | 6       | 7/6 |
| 59) SUPERSTRUCTURE RATING        | 6       | 6   |
| 60) SUBSTRUCTURE RATING          | 6       | 6   |
| 61) CHANNEL & CHANNEL PROTECTION | 7       | 7   |
| 62) CULVERT RATING               | N       | N   |

REMARKS  
 CHANNEL MULTIPLE H-PILES EXPOSED UNDERWATER SHOULD BE REENCASED. DETAILED ON L/W REPORT. DECK HAS MINOR SURFACE WEAR. CRACKS IN DECK, OVERHANGS AND RAILING. MINOR CRACKS AND CORNER CHIPS ON GIRDER ENDS AT EXP. JOINTS. LAYERED RUST ON BEARINGS. MULTIPLE CRACKS IN CAP FACES AS NOTED ON DRAWINGS. PAINT PEELING ON PILES AND BEARINGS. SOME EXCAVEMENTS CRACKED. ALL FORWARD BEARINGS AT ABUTMENT #17 ARE 1" FORWARD CRACKED.

PER DIVERS REQUEST - ALL PILES SHOULD HAVE RE-ENCASEMENTS REPOURED AND BROUGHT DOWN TO MUD LINE. SEE ALSO UNDERWATER REPORT.

| MISCELLANEOUS                       | CURRENT | NEW |
|-------------------------------------|---------|-----|
| 71) WATERWAY ADEQUACY               | 7       | 7   |
| 72) APPROACH ROADWAY ADEQ APPRAISAL | 7       | 7   |
| 36) TRAFFIC SAFETY FEATURES         | 1       | 1   |
| A) BRIDGE RAIL                      | 1       | 1   |
| B) TRANSITION                       | 1       | 1   |
| C) APPROACH RAIL                    | 1       | 1   |
| D) END TREATMENT                    | 1       | 1   |

LOAD POSTING SIGNS:  
 A) REQUIRED: N  
 B) PRESENT: N  
 C) VISIBLE: N  
 D) LEGIBLE: N

PREVIOUS DATE: 09/02/2021  
NEW DATE: 3-6-25

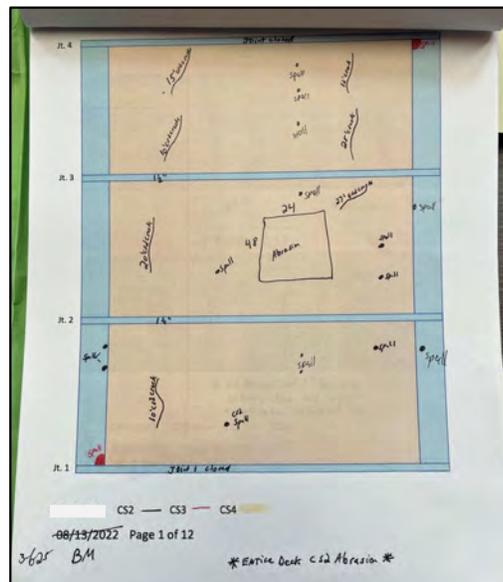
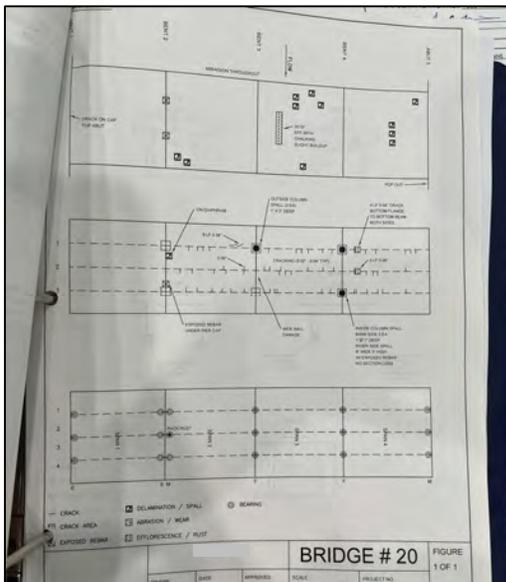
STRUCTURE UNIT: 1

| ELEM #        | ELEMENT NAME  | ENV | QUANTITY | UNITS | QTY CS 1 | QTY CS 2  | QTY CS 3 | QTY CS 4 |
|---------------|---|-----|----------|-------|----------|-----------|----------|----------|
| CURRENT: 12   | Rc Concrete Deck  |     | 28,063   | sq ft | 0.00     | 28,063.00 | 0.00     | 0.00     |
| NEW:          |   |     | 28,063   |       | 0        | 28,063    | 0        | 0        |
| NOTES:        | 1/8" OF OR SPALLING IN DECK SURFACE WITH DIAMETERS LESS THAN 1" IN DIAMETER AND OR LESS THAN 1" DEEP. |     |          |       |          |           |          |          |
| CURRENT: 1080 | Delamination/Spall Patched # 1  |     | 11       | each  | 0.00     | 11.00     | 0.00     | 0.00     |
| NEW:          |   |     | 11       |       | 0        | 11        | 0        | 0        |
| NOTES:        | 1/8" OF OR SPALLING IN DECK SURFACE WITH DIAMETERS LESS THAN 1" IN DIAMETER AND OR LESS THAN 1" DEEP. |     |          |       |          |           |          |          |
| CURRENT: 1130 | Cracking (RC and Other)   |     | 540      | each  | 0.00     | 540.00    | 0.00     | 0.00     |
| NEW:          |   |     | 540      |       | 0        | 540       | 0        | 0        |
| NOTES:        | 540' OF CRACKING LESS THAN .05" ON DECK SURFACE AND OVERHANGS.  |     |          |       |          |           |          |          |
| CURRENT: 1190 | Abrasion (PSC/RC)   |     | 27,452   | each  | 0.00     | 27,452.00 | 0.00     | 0.00     |
| NEW:          |   |     | 27,452   |       | 0        | 27,452    | 0        | 0        |
| NOTES:        | 27,452' OF ABRASION AND WEAR ON DECK DUE TO EXPOSED AGGREGATE BUT STILL SECURE IN CONCRETE.           |     |          |       |          |           |          |          |
| CURRENT: 189  | Pra Open Conc Girder-Beam   |     | 3,936    | sq ft | 0.00     | 3,936.00  | 0.00     | 0.00     |
| NEW:          |   |     | 3,936    |       | 0        | 3,936     | 0        | 0        |
| NOTES:        |   |     |          |       |          |           |          |          |
| CURRENT: 1085 | Delamination/Spall Patched # 1  |     | 18       | each  | 0.00     | 18.00     | 0.00     | 0.00     |
| NEW:          |   |     | 18       |       | 0        | 18        | 0        | 0        |
| NOTES:        | 1/8" OF SPALLING IN C.S.3 LARGER THAN 1" IN DIAMETER AND UNLESS PER 1" DIA.                           |     |          |       |          |           |          |          |
| CURRENT: 1110 | Cracking (PSC)  |     | 0        | each  | 0.00     | 0.00      | 0.00     | 0.00     |
| NEW:          |   |     | 0        |       | 0        | 0         | 0        | 0        |
| NOTES:        | 3/4" OR CRACKS LESS THAN 1/4" WIDE FOR CONCRETE BEAMS.  |     |          |       |          |           |          |          |
| CURRENT: 218  | Rc Conc Abutment  |     | 110      | sq ft | 0.00     | 110.00    | 0.00     | 0.00     |
| NEW:          |   |     | 110      |       | 0        | 110       | 0        | 0        |
| NOTES:        |   |     |          |       |          |           |          |          |

PREVIOUS DATE: \_\_\_\_\_  
NEW DATE: \_\_\_\_\_

STRUCTURE UNIT: 1

| ELEM #        | ELEMENT NAME  | ENV | QUANTITY | UNITS | QTY CS 1 | QTY CS 2 | QTY CS 3 | QTY CS 4 |
|---------------|---|-----|----------|-------|----------|----------|----------|----------|
| CURRENT: 12   | Rc Concrete Deck  |     | 3,950    | sq ft | 0.00     | 3,950.00 | 362.00   | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        |   |     |          |       |          |          |          |          |
| CURRENT: 1130 | Cracking (RC and Other)   |     | 3,950    | each  | 0.00     | 3,950.00 | 362.00   | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        | SPAN 1 HAS 237 SQ FT OF 1/2" (CS3) 225 (CS2) CRACKING<br>SPAN 2 HAS 38 SQ FT OF 1/2" (CS2) 170 (CS3) CRACKING<br>SPAN 3 HAS 98 SQ FT OF 1/2" (CS2) 140 (CS3) CRACKING<br>ALL 3 SPANS HAVE REPAIRS FOR CRACKING THROUGHOUT UNDERSIDE |     |          |       |          |          |          |          |
| CURRENT: 107  | Steel Deck Girder-Beam  |     | 620      | sq ft | 0.00     | 620.00   | 0.00     | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        |   |     |          |       |          |          |          |          |
| CURRENT: 1000 | Corrosion   |     | 32       | each  | 0.00     | 32.00    | 0.00     | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        | BEAMS HAVE MODERATE RUST ON LOWER FLANGES   |     |          |       |          |          |          |          |
| CURRENT: 117  | Deck Protective Coating   |     | 4,201    | sq ft | 0.00     | 3,349.00 | 852.00   | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        | all beams have chalking and flaking, all beams have paint peeling outside beams large areas at joints   |     |          |       |          |          |          |          |
| CURRENT: 203  | Rc Conc Column  |     | 4        | each  | 2.00     | 2.00     | 0.00     | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        |   |     |          |       |          |          |          |          |
| CURRENT: 5000 | Scour   |     | 2        | each  | 0.00     | 2.00     | 0.00     | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        | MODERATE SCOUR AT BOTH COLUMNS PIERS  |     |          |       |          |          |          |          |
| CURRENT: 215  | Rc Conc Abutment  |     | 95       | sq ft | 0.00     | 0.00     | 7.00     | 0.00     |
| NEW:          |   |     |          |       |          |          |          |          |
| NOTES:        | APP EXP 1120  |     |          |       |          |          |          |          |







# Local Bridge Repairs



# Local Bridge Repairs



## Local Bridge Repairs



## Local Bridge Repairs



- Project was Let to Bid & awarded locally as a part of our Rebuild Alabama Annual Plan, utilizing Federal Aid Exchange Funds
- All existing coatings were removed in accordance with Section 521 of ALDOT's Standard Specifications
- All structural steel received a System 1B coating (INORGANIC ZINC - EPOXY - URETHANE)
- Top Coat color of the New Coating is Alabama Green, matching Federal Standard Color Chart No. 24272
- Approximately 8,372 SF of existing Structural Steel received the New Coating

# EBIT SITE VISITS



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EBIT SITE VISITS



EBIT SITE VISITS



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# EBIT SITE VISITS



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# EBIT SITE VISITS



# POSTING RE-CERTIFICATION




**ALABAMA DEPARTMENT OF TRANSPORTATION**  
 Local Transportation Bureau  
 1409 Coliseum Blvd., Montgomery, Alabama 36110-2066  
 Phone: (334) 242-6207 FAX: (334) 253-6595  
 Internet: <http://www.dot.state.al.us>


Roy Jay Governor John R. Cooper  
Transportation Director

September 29, 2025

**MEMORANDUM 2025-12**

TO: All Local Public Agencies with Load Posted and/or Closed Structures

FROM:   
Bradley B. Lindsey, B.E.  
State Local Transportation Engineer

RE: Bridge Posting Re-Certification

All Local Public Agencies are required to certify, in writing, to the Local Transportation Bureau by **November 1, 2025**, that all structures requiring load posting have been posted in accordance with the current standards, and all structures that are closed do not have traffic crossing them.

Please be aware that failure to post bridges properly is a serious violation of the National Bridge Inspection Standards (NBIS). Any bridge owner found to be in noncompliance with the NBIS is subject to having any and all Federal or State aid withheld at the ALDOT Director's discretion.

All Local Agencies are required to do the following:

- Submit a list of all posted structures in your inventory and their specific posting values.
- Submit a list of all closed structures in your inventory that are still in place.
- **"New"** - Enter Item B.EP.03 and Item B.EP.04 into BtM

**All posting values and bridge closures must be field verified.**

**Closed Structures**

Closed structures that are still in place should be included in your submittal. It should be field verified that these structures are in fact closed and traffic is not able to cross them.

**\*NEW\* - Item B.EP.03 and Item B.EP.04:**

In an effort to collect all the new SNBI data, this year's Posting Re - Certification requires that bridge owners enter **Item B.EP.03 (Posting Type)** and **Item B.EP.04 (Posting Value)** into BtM. Under the new Specifications for the National Bridge Inventory (SNBI), there are additional items pertaining to load posting — specifically "Posting Type" and "Posting Value". These items collect the type of posting sign and the actual posting values located at the bridge, so this would be a convenient time to collect and enter them into BtM. These items are located on the Load Posting / Load Posting Status Tab (Refer to the 2024 2-Day School Green Book pgs.318-325).

**Municipalities**

A list of Posted and Closed structures in your inventory is attached

The column labeled "status" indicates the current posting / closure status of your structure.

- PP - Open and load posted
- C - Closed to all traffic

**Certification Statement**

The Posting Re-Certification should be transmitted by email under a cover letter, signed by the County / City Engineer or Mayor, and include the following statement:

\*The attached list includes all posted and closed structures in our inventory including all structures that have been recommended to be posted or closed by the ALDOT Bridge Load Rating Section. The structures on this list are all posted (or closed) in the field in accordance with the recommended posting values (or lower).\*

# POSTING RE-CERTIFICATION



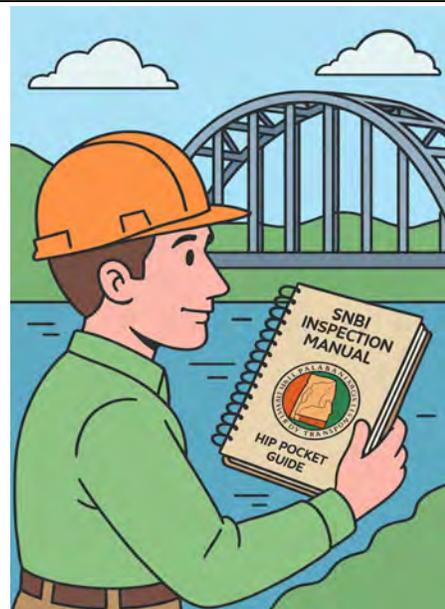
- Everything Must be Field Verified
- No Posting Report Available in BrM (So You Can't Cheat)
  - Use your Federally Required Report for Posted and Closed Structures
- \*NEW\* - Item B.EP.03 and Item B.EP.04
  - Refer to 2024 Green Book (Pages 318 -325)

| AS POSTED IN THE FIELD* |          |         |          |          |          |                       |        |            |                     |        |        |                       |                      |                      |             |
|-------------------------|----------|---------|----------|----------|----------|-----------------------|--------|------------|---------------------|--------|--------|-----------------------|----------------------|----------------------|-------------|
| BIN                     | Local ID | H-TRUCK | TWO-AXLE | TRI-AXLE | CONCRETE | 18 WHEELER            | 6 AXLE | SCHOOL BUS | GROSS LOAD POSTED** | EV2*** | EV3*** | DATE CHECKED IN FIELD | ENTERED ITEM B.EP.03 | ENTERED ITEM B.EP.04 | VERIFIED BY |
| Example 1               | 158Z     | 19      |          | 33       | 32       |                       |        | 10         |                     |        |        | 10/14/2025            | 10/21/2025           | 10/21/2025           | JFB         |
| Example 2               | 160Z     |         |          |          |          |                       |        |            | 10                  |        |        | 10/16/2025            | 10/21/2025           | 10/21/2025           | JFB         |
| Example 3               | 162X     |         |          |          |          | CLOSED TO ALL TRAFFIC |        |            |                     |        |        | 10/18/2025            | 10/21/2025           | 10/21/2025           | JFB         |
|                         |          |         |          |          |          |                       |        |            |                     |        |        |                       |                      |                      |             |

## ALDOT Bridge Inspection Refresher Training



### Bridge Inspection Pocket Guide



## Purpose of the “SNBI Inspection Manual – Pocket Guide”

- Created by ALDOT for bridge inspectors to reference inspection items directly in the field
- The full SNBI Manual is extensive and includes far more detail than inspectors need on site, making it impractical to carry or reference in the field.
- This condensed version focuses on the inspection items most encountered during field inspections.
- Intended to simplify the on-site data collection process while encouraging accuracy and consistency
- Promotes efficiency, confidence, and reliability in field decisions.



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## Content of the “SNBI Inspection Manual – Pocket Guide”

- Includes:
  - Specifications, definitions, and commentary for inspection items listed on the BI-5 and BI-6 inspection forms
  - Element definitions and condition state definitions arranged to mirror the layout of the “Element Inspection Handbook.”
  - Applicable examples to clarify confusing items and address common questions inspectors encounter in the field.
- Excludes:
  - Items unrelated to field work and items outside the scope of the BI-5 and BI-6 inspection forms.



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# Organization of the Pocket Guide

- The Pocket Guide is organized to mirror the natural process of a field inspection
- All BI-5 items are presented first
- Followed by Element and Condition State Definitions
- Then followed by all BI-6 items
- This layout allows inspectors to move through the guide in the same sequence they complete their inspection and data entry

## Bridge Elements

| Table of Contents                                  |                                       |     |
|--|---------------------------------------|-----|
| <b>(BI-5)</b>                                      | <b>Inspection Notes / Summary</b>     | Pg. |
| B.IE.01  | Inspection Type                       | 31  |
| B.IE.02  | Inspection Begin Date                 | 32  |
| B.IE.03  | Inspection Completion Date            | 32  |
| B.IE.04  | Nationally Certified Bridge Inspector | 33  |
| B.IE.05  | Inspection Interval                   | 33  |
| B.IE.06  | Inspection Due Date                   | 34  |
| B.IE.07  | Risk-Based Inspection Interval Method | 34  |
| B.IE.08  | Inspection Quality Control Date       | 35  |
| B.IE.09  | Inspection Quality Assurance Date     | 35  |
| B.IE.10  | Inspection Data Update Date           | 36  |
| B.IE.11  | Inspection Note                       | 36  |
| B.IE.12  | Inspection Equipment                  | 37  |
| <b>(BI-5)</b>                                      | <b>Inspection Needs</b>               |     |
| * See '(BI-6) Inspection Requirements' on Page 160 |                                       |     |
|  | <b>Bridge Element Inspection</b>      |     |
|  | Element Name/Description              | 39  |
|  | Condition State Definitions           | 60  |
| <b>(BI-6)</b>                                      | <b>Identification</b>                 | Pg. |
| B.ID.01  | Bridge Number                         | 84  |
| B.ID.02  | Bridge Name                           | 85  |
| B.ID.03  | Previous Bridge Number                | 85  |
| <b>(BI-6)</b>                                      | <b>Location</b>                       | Pg. |
| B.L.01   | State Code                            | 86  |
| B.L.02   | County Code                           | 86  |
| B.L.03   | Place Code                            | 87  |
| B.L.04   | Highway Agency District               | 87  |
| B.L.05   | Latitude                              | 88  |
| B.L.06   | Longitude                             | 89  |
| B.L.11   | Bridge Location                       | 90  |
| B.L.12   | Metropolitan Planning Organization    | 91  |



# Organization (Cont.) - Headings

| Table of Contents |   |     | BI-6 Form                         |            |                           |
|-------------------|---|-----|-----------------------------------|------------|---------------------------|
| <b>(BI-6)</b>     | <b>Identification</b>                   | Pg. | <b>Identification Data</b>        |            |                           |
| B.ID.01           | Bridge Number                           | 84  | Bridge Number (B.ID.01):          | 021989     | Current: _____ New: _____ |
| B.ID.02           | Bridge Name                             | 85  | Agency Bridge ID:                 | 021989     | _____                     |
| B.ID.03           | Previous Bridge Number                  | 85  | Bridge Name (B.ID.02):            | 021989     | _____                     |
| <b>(BI-6)</b>     | <b>Location</b>                         | Pg. | <b>Location Data</b>              |            |                           |
| B.L.01            | State Code                              | 86  | State Code (B.L.01):              | 1 Alabama  | Current: _____ New: _____ |
| B.L.02            | County Code                             | 86  | Highway Agency District (B.L.04): | Birmingham | _____                     |
| B.L.03            | Place Code                              | 87  |                                   |            |                           |
| B.L.04            | Highway Agency District                 | 87  |                                   |            |                           |
| <b>(BI-6)</b>     | <b>Border</b>                           | Pg. | <b>Border Data</b>                |            |                           |
| B.L.07            | Border Bridge Number                    | 92  | Designated Lead State (B.L.10):   | N/A        | Current: _____ New: _____ |
| B.L.08            | Border Bridge State or Country Code     | 92  | Border Bridge Number (B.L.07):    | N/A        | _____                     |
| B.L.09            | Border Bridge Inspection Responsibility | 93  |                                   |            |                           |

- The guide follows the same heading order used on the BI-5 and BI-6 forms.
- Each heading represents a major category of inspection items (such as Identification data and Location data)
- This organization makes it easy to navigate to the general inspection category you are working on, with all related items grouped together.



## Organization (Cont.) – Inspection Items

Table of Contents

| (BI-6) | Geometry Data                | Pg. |
|--------|------------------------------|-----|
| B.G.01 | NBIS Bridge Length           | 103 |
| B.G.02 | Total Bridge Length          | 104 |
| B.G.03 | Maximum Span Length          | 104 |
| B.G.04 | Minimum Span Length          | 105 |
| B.G.05 | Bridge Width Out-to-Out      | 105 |
| B.G.06 | Bridge Width Curb-to-Curb    | 106 |
| B.G.07 | Left Curb or Sidewalk Width  | 107 |
| B.G.08 | Right Curb or Sidewalk Width | 107 |

BI-6 Form

| Geometry data                          | Current: | New: |
|--|----------|------|
| NBIS Bridge Length (B.G.01):           | 32.00 ft |      |
| Total Bridge Length (B.G.02):          | 33.30 ft |      |
| Maximum Span Length (B.G.03):          | 32.70 ft |      |
| Minimum Span Length (B.G.04):          | 32.70 ft |      |
| Bridge Width Out-to-Out (B.G.05):      | 30.00    |      |
| Bridge Width Curb-to-Curb (B.G.06):    | 30.00    |      |
| Left Curb or Sidewalk Width (B.G.07):  | 0.00     |      |
| Right Curb or Sidewalk Width (B.G.08): | 0.00     |      |

- Under each heading, individual inspection items appear in the exact same order as they do on the BI-5 and BI-6 forms.
- This structure ensures you won't have to jump around to find the item you need – Everything is right where you expect it to be.



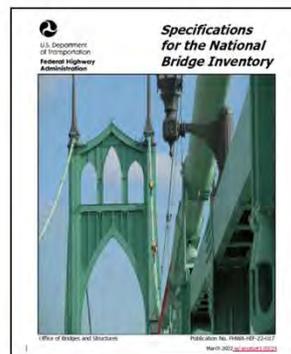
## Organization (Cont.) – What Each Inspection Item Includes

**B.SP.05** **Span Continuity**

**Specification:**  
Report the span continuity using one of the following codes.

**Commentary:**  
This item measures the continuity of the span(s) in the configuration.  
Use code 2 for bridges designed continuous for permanent (dead) loads and live loads. Also, use code 2 for cable stayed and suspension bridges, and for multi-span arches.  
Use code 3 for bridges designed as simple spans for permanent (dead) loads and continuous for live loads. When it is unknown if the superstructure was designed as continuous for live loads, code this item consistent with the assumption used in the load rating calculations.  
Use code 6 for three-sided and four-sided frames that are not buried.  
Use code 7 for pipe culverts and other structures that rely on soil-structure interaction to support vertical loads.

| Code | Description                    |
|------|--------------------------------|
| 1    | Simple or single span          |
| 2    | Continuous                     |
| 3    | Continuous for live loads only |
| 4    | Cantilever                     |
| 5    | Cantilever with pin and hanger |
| 6    | Frame                          |
| 7    | Buried                         |



- Each item includes the Specification and Commentary text exactly as written in the full SNBI Manual.
- The Specification explains what is to be reported and when it applies.
- The Commentary provides clarifications to help interpret the specification correctly.
- Together they explain the intent and meaning of the inspection item.



## Organization (Cont.) – Item Codes

- Below the Specification and Commentary, each item includes a table of codes.
- These codes define the selectable options available in BrM when reporting this item.
- These tables allow quick reference to the exact code number and description needed while completing the inspection.

**B.SP.05** **Span Continuity**

**Specification**  
Report the span continuity using one of the following codes.

**Commentary**  
This item captures the continuity of the span(s) in the configuration.  
Use code 2 for bridges designed continuous for permanent (dead) loads and live loads. Also, use code 2 for cable stayed and suspension bridges, and for multi-span arches.  
Use code 3 for bridges designed as simple spans for permanent (dead) loads and continuous for live loads. When it is unknown if the superstructure was designed as continuous for live loads, code this item consistent with the assumption used in the load rating calculations.  
Use code 6 for three-sided and four-sided frames that are not buried.  
Use code 7 for pipe culverts and other structures that rely on soil-structure interaction to support vertical loads.

| Code | Description                    |
|------|--------------------------------|
| 1    | Simple or single span          |
| 2    | Continuous                     |
| 3    | Continuous for live loads only |
| 4    | Cantilever                     |
| 5    | Cantilever with pin and hanger |
| 6    | Frame                          |
| 7    | Buried                         |

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## Organization (Cont.) – Examples

- Following the code tables, each item includes visual examples to illustrate how the codes apply.
- Examples are designed to clarify areas of common confusion and ensure inspectors interpret items the same way.
- Visuals help “bridge” the gap between written definitions and field observation.



**B.SP.05**

**Example 1**

B.SP.05 = 1

**Note:** Single Span (Separate girders meet at bents. Joints are present in the bridge deck where separate girders meet)

**Example 2**

B.SP.05 = 2

**Note:** Continuous (Same girder continues over bents)

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## How to Use the Guide in the Field

- Keep a printed or digital copy on hand while you are in the field.
- Cross-check selected codes with their appropriate definitions.
- Cross-check selected condition states to ensure alignment with the appropriate definition.
- Use as a reference when inspecting unfamiliar components.
- This guide is also an ideal tool for training new inspectors and walking them through the inspection process.



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## 2025 Bridge Inspection Refresher Training

### Local Transportation Bureau Update

James Boyer, P.E.  
Deputy Bureau Chief  
Local Transportation Bureau  
334-242-6619  
[Boyerj@dot.state.al.us](mailto:Boyerj@dot.state.al.us)

John David Palmer  
Local Bridge Engineer  
Local Transportation Bureau  
334-242-6601  
[Palmerjd@dot.state.al.us](mailto:Palmerjd@dot.state.al.us)

# 2025 Inspection Desktop Exercise

SNBI Data Items  
&  
Element Condition States

Substructure Material (B.SB.03)?



## Substructure Material (B.SB.03)?

A) 0 None

B) C01 Reinforced concrete -  
cast-in-place

C) C02 Reinforced concrete - precast

D) S01 Steel - rolled shapes

## Substructure Type (B.SB.04)?



## Substructure Type (B.SB.04)?

A) A01 Abutment - cantilever/wall

B) B01 Bent - column or open

C) B03 Bent - pile

D) P03 Pier - multiple column

## Substructure Protective System (B.SB.05)?



Substructure Protective System  
(B.SB.05)?

- A)  $\emptyset$  None
- B) A01 Admixture - internally sealed
- C) E01 Encasement - concrete
- D) U Unknown

Foundation Type (B.SB.06)?



## Foundation Type (B.SB.06)?

- A) P01 Pile - steel H-shape
- B) P02 Pile - steel pipe
- C) P03 Pile - concrete, cast-in-place
- D) PX Pile - other

## Foundation Protective System (B.SB.07)?



Foundation Protective System  
(B.SB.07)?

- A)  $\emptyset$  None
- B) A01 Admixture - internally sealed
- C) E01 Encasement - concrete
- D) U Unknown

Substructure Element &  
CS (Efflorescence/Rust Staining)?



Substructure Element &  
CS (Efflorescence/Rust Staining)?



Substructure Element?

- A) 202 Steel Column
- B) 205 Reinforced Concrete Column
- C) 225 Steel Pile
- D) 227 Reinforced Concrete Pile

Defect - 1120 Efflorescence/Rust Staining  
Condition State

A) CS 1 - Good

B) CS 2 - Fair

C) CS 3 - Poor

D) CS 4 - Severe

E) None of the Above

Fatigue Details (B.IR.02)?



Fatigue Details (B.IR.02)?



Fatigue Details (B.IR.02)?

- A) N No E/E' details
- B) Y E/E' details are present
- C) Do not report this item

CS (Corrosion)?



Defect - 1000 Corrosion  
Condition State

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

Substructure Type (B.SB.04)?



Substructure Type (B.SB.04)?

- A) A01 Abutment - cantilever/wall
- B) A02 Abutment - stub
- C) A03 Abutment - open/spill through
- D) A04 Abutment - integral

CS (Efflorescence / Rust Staining)?



CS (Efflorescence / Rust Staining)?



Defect - 1120 Efflorescence / Rust Staining  
Condition State

A) CS 1 - Good

B) CS 2 - Fair

C) CS 3 - Poor

D) CS 4 - Severe

CS (Corrosion)?



CS (Corrosion)?



Defect - 1000 Corrosion  
Condition State

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

Deck Element & CS (Cracking)?



Deck Element & CS (Cracking)?



## Deck Element

---

- A) 12 - Reinforced Concrete Deck
- B) 16 - Reinforced Concrete Top Flange
- C) 38 - Reinforced Concrete Slab
- D) 60 - Other Material Deck

## Defect - 1130 Cracking Condition State

---

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

CS (Cracking)?



CS (Cracking)?



Defect - 1130 Cracking  
Condition State

A) CS 1 - Good

B) CS 2 - Fair

C) CS 3 - Poor

D) CS 4 - Severe

Span Type (B.SP.06)?



Span Type (B.SP.06)?

A) B03 Box girder/beam - multiple spread

B) G02 Girder/beam - I-shaped spread

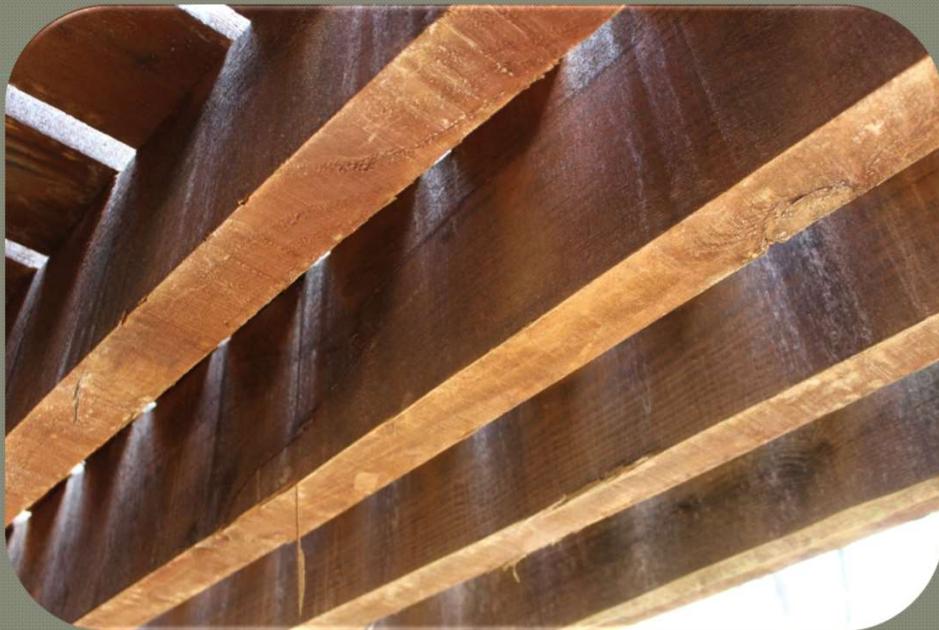
C) GX Girder/beam - other

D) X Other

CS (Crack)?



CS (Crack)?



Defect - 1160 Crack  
Condition State

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

Substructure Configuration  
Designation (B.SB.01)?



Substructure Configuration  
Designation (B.SB.01)?

- A) A01 - Abutment
- B) P01 - Pier or Bent
- C) A01 & W01 - Abutment & Widening
- D) P01 & W01 - Pier or Bent & Widening

Substructure Material (B.SB.03)?



Substructure Material (B.SB.03)?

|    |   |
|----|---|
|    | P01 - C01 Reinforced concrete-cast-in-place |
| A) | W01 - C01 Reinforced concrete-cast-in-place |
|    | P01 - C01 Reinforced concrete-cast-in-place |
| B) | W01 - S01 Steel - rolled shapes             |
|    | P01 - S01 Steel - rolled shapes             |
| C) | W01 - C01 Reinforced concrete-cast-in-place |
|    | P01 - S01 Steel - rolled shapes             |
| D) | W01 - S01 Steel - rolled shapes             |

Substructure Type (B.SB.04)?



Substructure Type (B.SB.04)?

|    |                                  |
|----|----------------------------------|
|    | P01 - B01 Bent - column or open  |
| A) | W01 - B01 Bent - column or open  |
|    | P01 - B01 Bent - column or open  |
| B) | W01 - B03 Bent - pile            |
|    | P01 - P03 Pier - multiple column |
| C) | W01 - P02 Pier - single column   |
|    | P01 - P03 Pier - multiple column |
| D) | W01 - B03 Bent - pile            |

Substructure Protective System  
(B.SB.05)?



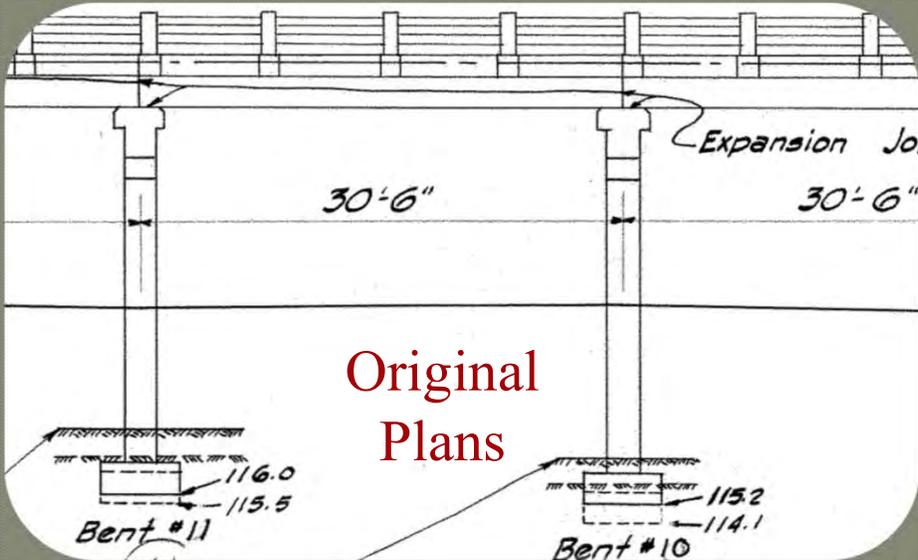
Substructure Protective System  
(B.SB.05)?

|    |   |
|----|---|
|    | P01 - 0 None                            |
| A) | W01 - 0 None                            |
|    | P01 - A01 Admixture - internally sealed |
| B) | W01 - A01 Admixture - internally sealed |
|    | P01 - E01 Encasement - concrete         |
| C) | W01 - E01 Encasement - concrete         |
|    | P01 - U Unknown                         |
| D) | W01 - U Unknown                         |

Foundation Type (B.SB.06)?



Foundation Type (B.SB.06)?



## Foundation Type (B.SB.06)?

- |    |                                 |
|----|---------------------------------|
|    | P01 - F01 Footing - not on rock |
| A) | W01 - F01 Footing - not on rock |
|    | P01 - F01 Footing - not on rock |
| B) | W01 - P01 Pile-steel H-shape    |
|    | P01 - F02 Footing - on rock     |
| C) | W01 - P01 Pile-steel H-shape    |
|    | P01 - P01 Pile-steel H-shape    |
| D) | W01 - P01 Pile-steel H-shape    |

## Foundation Protective System (B.SB.07)?



## Foundation Protective System (B.SB.07)?

|    |                                 |
|----|---------------------------------|
|    | P01 - 0 None                    |
| A) | W01 - 0 None                    |
|    | P01 - 0 None                    |
| B) | W01 - E01 Encasement - concrete |
|    | P01 - E01 Encasement - concrete |
| C) | W01 - E01 Encasement - concrete |
|    | P01 - U Unknown                 |
| D) | W01 - U Unknown                 |

## CS (Scour)?



Defect - 6000 Scour  
Condition State

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

Joint Element & CS (Seal Damage)?



## Joint Element

---

- A) 300 - Strip Seal Joint
- B) 301 - Pourable Joint Seal
- C) 304 - Open Joint
- D) 305A - Sliding Plate Joint Assembly

## Defect - 2330 Seal Damage Condition State

---

- A) CS 1 - Good
- B) CS 2 - Fair
- C) CS 3 - Poor
- D) CS 4 - Severe

CS (Cracking)?



CS (Cracking)?



Defect - 1130 Cracking  
Condition State

A) CS 1 - Good

B) CS 2 - Fair

C) CS 3 - Poor

D) CS 4 - Severe

Span Configuration Designation  
(B.SP.01)?



## Span Configuration Designation (B.SP.01)?

- A) M01            - Main
- B) M01 & W01 - Main & Widening
- C)            M01, A01, & W01 - Main, Approach, & Widening
- D) W01            - Widening

## Substructure Configuration Designation (B.SB.01)?



Substructure Configuration  
Designation (B.SB.01)?

- A) A01 - Abutment
- B) P01 - Pier or Bent
- C) A01 & W01 - Abutment & Widening
- D) P01 & W01 - Pier or Bent & Widening

**THE END**

# ALDOT Bridge Inspection Refresher Training

BrM – Inspections, Reports, and Dashboards

2025



## Creating New Inspections

## Example: Routine and Scour Due

### Structures Due For Inspection

**Alabama Department of Transportation**

**Search criteria given:**  
 Report Date: 10/01/2025  
 Maintenance: All  
 Insp Responsibility: State Highway Agency  
 District: All  
 County: All  
 City: All

**Area:** Guntersville

| IDENTIFICATION |                      |                           |                | TYPE INSPECTION DUE |      |    |         |         |     | EQUIP |     |
|----------------|----------------------|---------------------------|----------------|---------------------|------|----|---------|---------|-----|-------|-----|
| Bridge ID      | Alabama_ID           | Location                  | Posting Status | Routine             | NSTM | UW | Special | Scour   | DEL | A02   | A03 |
| 001280         | OAL0074 220070.89900 | 6.4 MI W JCT I 65         | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |
| 002592         | OAL0074 220086.23700 | 3.7 MI E JCT SR69 * US278 | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine and Scour Due

### Step 1: Add new inspection on Inspection List page

#### Inspection List

| Bridge | Bridge Name          | Bridge Nickname        |
|--------|----------------------|------------------------|
| 002592 | ???????????????????? | US 278 OVER LICK CREEK |

List View    Element Condition History

| Inspection Begin Date (B.IE.02) ↕ | Inspection Types          | Status   | Deck Rating (B.C.01) | Super Rating (B.C.02) | Sub Rating (B.C.03) | Culvert Rating (B.C.04) |
|-----------------------------------|---------------------------|----------|----------------------|-----------------------|---------------------|-------------------------|
| 10/05/2023                        | Routine, Scour Inspection | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 5 Fair                  |
| 10/12/2021                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/30/2019                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/31/2017                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/07/2015                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/23/2013                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/26/2011                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/20/2009                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/29/2007                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 11/17/2005                        | Routine                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine and Scour Due

### Step 2: Update B.IE.02 - Inspection Begin Date

**Create Bridge Inspection**

Bridge  
002284

Bridge Name  
002284

Bridge Nickname  
SR 9 OVER COTTAQUILA CREEK

Bridge Facility Carried  
SR 9

Bridge Feature Intersected  
COTTAQUILA CREEK

Inspection Begin Date (B.IE.02) \*  
09/29/2025

Entered By \*  
Inspector, Bridge

Inspection Types

Inspection Type 1: Inspector

No records to display.

[Add New](#)

Inspection Begin Date (B.IE.02) \*

09/04/2025

September 2025

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 1  | 2  | 3  | 4  |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 |

Clear Today

[Add New](#)

Inspector

Inspection Begin Date (B.IE.02) \*

09/04/2025

Entered By \*

Inspector, Bridge

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine and Scour Due

### Step 3: Add Inspection Types and Inspector

**Create Bridge Inspection**

Bridge  
002592

Bridge Name  
????????????????????

Bridge Nickname  
US 278 OVER LICK CREEK

Bridge Facility Carried  
US 278

Bridge Feature Intersected  
LICK CREEK

Inspection Begin Date (B.IE.02) \*

09/04/2025

Entered By \*

Inspector, Bridge

Inspection Types

Inspection Type 1: Inspector

No records to display.

[Add New](#)

**Create Inspection Type**

Inspection Type \*

Inspector \*

[OK](#) [Cancel](#)

Routine

**Create Inspection Type**

Inspection Type \*

Damage

In-Depth

Initial

NSTM

Routine

**Create Inspection Type**

Inspection Type \*

Routine

Inspector \*

Yates, Benjamin

Scour Inspection

**Create Inspection Type**

Inspection Type \*

Scour Inspection

Damage

In-Depth

Initial

NSTM

Scour Inspection

**Create Inspection Type**

Inspection Type \*

Scour Inspection

Inspector \*

Yates, Benjamin

Bridges > Inspection > Inspection List

Creating New Inspections



# Example: Routine, Special, Scour Due



## Structures Due For Inspection

**Search criteria given:**

Report Date: 10/01/2025  
 Maintenance: All  
 Insp Responsibility: State Highway Agency  
 District: All  
 County: All  
 City: All

**Area: Alexander City**

| IDENTIFICATION |                      |                         |                |         | TYPE INSPECTION DUE |    |         |         |     | EQUIP |     |
|----------------|----------------------|-------------------------|----------------|---------|---------------------|----|---------|---------|-----|-------|-----|
| Bridge ID      | Alabama_ID           | Location                | Posting Status | Routine | NSTM                | UW | Special | Scour   | DEL | A02   | A03 |
| 000918         | OAL0074 080148.72800 | 1.4 MI W JCT CO. RD. 19 | PO             | 09/2025 |                     |    |         | 09/2025 |     |       |     |
| 002284         | OAL0009 080229.22900 | 10.6 MI NO JCT US 78    | PO             | 09/2025 |                     |    | 09/2025 | 09/2025 |     |       |     |
| 003154         | OAL0021 080261.07100 | 4.4 MI N JCT US 431     | PO             | 09/2025 |                     |    |         | 09/2025 |     |       |     |

Bridges > Inspection > Inspection List

Creating New Inspections

# Example: Routine, Special, Scour Due



## Step 1: Add new inspection on Inspection List page

### Inspection List

**Bridge**

002284

**Bridge Name** Bridge Nickname

002284 SR 9 OVER COTTAQUILA CREEK

List View Element Condition History

| Inspection Begin Date (B.IE.02) ↓ | Inspection Types          | Status   | Deck Rating (B.C.01) | Super Rating (B.C.02) | Sub Rating (B.C.03) | Culvert Rating (B.C.04) |
|-----------------------------------|---------------------------|----------|----------------------|-----------------------|---------------------|-------------------------|
| 10/11/2024                        | Scour Inspection, Special | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/05/2023                        | Routine, Special          | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/05/2022                        | Special                   | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/14/2021                        | Routine, Special          | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/15/2020                        | Special                   | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/14/2019                        | Routine, Special          | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |
| 10/11/2019                        | Routine, Special          | 3 Active | 5 Fair               | 6 Satisfactory        | 4 Poor              | N Not Applicable        |

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Special, Scour Due

### Step 2: Update B.IE.02 - Inspection Begin Date

**Create Bridge Inspection**

Bridge  
002284

Bridge Name  
002284

Bridge Nickname  
SR 9 COVER, COTTAQUILA CREEK

Bridge Facility Carried  
SR 9

Bridge Feature Intersected  
COTTAQUILA CREEK

Inspection Begin Date (B.IE.02) \*  
09/29/2025

Entered By \*  
Inspector, Bridge

Inspection Types

Inspection Type 1: Inspector

No records to display.

[Add New](#)

Inspection Begin Date (B.IE.02) \*

09/04/2025

September 2025

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 1  | 2  | 3  | 4  |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 |

Inspector

[Add New](#)

Inspection Begin Date (B.IE.02) \*

09/04/2025

Entered By \*

Inspector, Bridge

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Special, Scour Due

### Step 3: Add Inspection Types and Inspector

Routine

**Create Inspection Type**

Inspection Type \*

Damage  
In-Depth  
Initial  
NSTM  
Routine

**Create Inspection Type**

Inspection Type \*

Routine

Inspector \*

Vitez, Benjamin

[OK](#) [Cancel](#)

Special

**Create Inspection Type**

Inspection Type \*

Damage  
In-Depth  
Initial  
NSTM  
Scour Inspection  
Scour Monitoring  
Special

**Create Inspection Type**

Inspection Type \*

Special

Inspector \*

Vitez, Benjamin

[OK](#) [Cancel](#)

Scour Inspection

**Create Inspection Type**

Inspection Type \*

Scour Inspection

Damage  
In-Depth  
Initial  
NSTM  
Scour Inspection

**Create Inspection Type**

Inspection Type \*

Scour Inspection

Inspector \*

Vitez, Benjamin

[OK](#) [Cancel](#)

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Special, Scour Due

### Step 4: Save to create new inspection

**Create Bridge Inspection**

Bridge: 002284

Bridge Name: 002284

Bridge Nickname: SR 9 OVER COTTAQUILA CREEK

Bridge Facility Carried: SR 9

Bridge Feature Intersected: COTTAQUILA CREEK

Inspection Begin Date (B.IE.02) \*: 09/04/2025

Entered By \*: Inspector, Bridge

**Inspection Types**

[Add New](#)

| Inspection Type f1: | Inspector       |  |  |
|---------------------|-----------------|--|--|
| Routine             | Yates, Benjamin |  |  |
| Scour Inspection    | Yates, Benjamin |  |  |
| Special             | Yates, Benjamin |  |  |

[Save](#) [Cancel](#)

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Special, Scour Due

### Step 5: Review Schedule Grid

**Schedule**

| Inspection Type f1: | Required for Bridge                 | Inspection Being Performed (B.IE.01) | Inspector       | Most Recent Inspection Completion Date (B.IE.03) | Interval Method (B.IE.07) | Interval (months) (B.IE.05) | Inspection Due Date (B.IE.06) | Inspection Assignm |
|---------------------|-------------------------------------|--------------------------------------|-----------------|--|---------------------------|-----------------------------|-------------------------------|--------------------|
| Damage              |                                     |                                      |                 |  |                           |                             |                               |                    |
| In-Depth            |                                     |                                      |                 |  |                           |                             |                               |                    |
| Initial             |                                     |                                      |                 |  |                           |                             |                               |                    |
| NSTM                |                                     |                                      |                 | 01/01/1901                                       |                           |                             | 01/01/1901                    |                    |
| Routine             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       |                           | 24                          | 09/04/2027                    |                    |
| Scour Inspection    | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       | N Not applicable          | 24                          | 09/04/2027                    |                    |
| Scour Monitoring    |                                     |                                      |                 |  |                           |                             |                               |                    |
| Service             |                                     |                                      |                 |  |                           |                             |                               |                    |
| Special             | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       |                           | 12                          | 09/04/2026                    |                    |
| Underwater          |                                     |                                      |                 | 01/01/1901                                       |                           |                             | 01/01/1901                    |                    |

[Save](#) [Save & Close](#) [Cancel](#) [Delete Bridge Inspection](#)

Bridges > Inspection > Schedule

Creating New Inspections

# Example: NSTM and Special Due

## Structures Due For Inspection

Alabama Department of Transportation

**Search criteria given:**

Report Date: 10/01/2025  
 Maintenance: All  
 Insp Responsibility: State Highway Agency  
 District: All  
 County: All  
 City: All

**Area:** Tuscaloosa

| IDENTIFICATION |                      |                      |                | TYPE INSPECTION DUE |         |    |         |       | EQUIP |     |     |
|----------------|----------------------|----------------------|----------------|---------------------|---------|----|---------|-------|-------|-----|-----|
| Bridge ID      | Alabama_ID           | Location             | Posting Status | Routine             | NSTM    | UW | Special | Scour | DEL   | A02 | A03 |
| 010673         | OIN0059 630070.328+1 | 1.0 MI S JCT I-359   | PO             | 09/2025             |         |    |         |       |       |     | Y   |
| 010773         | OAL0013 630195.01200 | HUGH THOMAS          | PO             |                     | 09/2025 |    | 09/2025 |       |       | Y   | Y   |
| 012905         | OIN0359 630002.286-1 | JCT WITH 15TH STREET | PO             | 09/2025             |         |    |         |       |       | Y   | Y   |

Bridges > Inspection > Inspection List

Creating New Inspections

# Example: NSTM and Special Due

## Step 1: Add new inspection on Inspection List page

### Inspection List

**Bridge**

010773

**Bridge Name:** HUGH THOMAS

**Bridge Nickname:** US 43 OVER RIVER RD, MN AV, WARRIOR R

List View   Element Condition History

[Add New](#)

| Inspection Begin Date (B.IE.02) ↓ | Inspection Types                         | Status   | Deck Rating (B.C.01) | Super Rating (B.C.02) | Sub Rating (B.C.03) | Culvert Rating (B.C.04) |
|-----------------------------------|--|----------|----------------------|-----------------------|---------------------|-------------------------|
| 10/15/2024                        | NSTM, Routine, Scour Inspection, Special | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 08/08/2024                        | Underwater                               | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 10/03/2023                        | NSTM, Special                            | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 10/19/2022                        | NSTM, Routine, Special                   | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 08/30/2022                        | Routine, Underwater                      | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 10/19/2021                        | NSTM, Special                            | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 10/06/2020                        | NSTM, Routine, Special                   | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |
| 08/12/2020                        | Underwater                               | 3 Active | 6 Satisfactory       | 6 Satisfactory        | 6 Satisfactory      | N Not Applicable        |

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: NSTM and Special Due

### Step 2: Update B.IE.02 - Inspection Begin Date

**Create Bridge Inspection**

Bridge  
010773

Bridge Name  
HUGH THOMAS

Bridge Nickname  
US 43 OVER RIVER RD,MN AV,WARRIOR R

Bridge Facility Carried  
US 43

Bridge Feature Intersected  
RIVER RD,MN AV,WARRIOR R

Inspection Begin Date (B.IE.02) \*  
09/29/2025

Entered By \*  
Inspector, Bridge

**Inspection Begin Date (B.IE.02) \***  
09/04/2025

**Inspection Begin Date (B.IE.02) \***  
09/04/2025

Inspector  
Inspector, Bridge

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: NSTM and Special Due

### Step 3: Add Inspection Types and Inspector

NSTM

Special

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: NSTM and Special Due

### Step 4: Save to create new inspection

**Create Bridge Inspection**

Bridge  
010773

Bridge Name  
HUGH THOMAS

Bridge Nickname  
US 43 OVER RIVER RD, MN AV, WARRIOR R

Bridge Facility Carried  
US 43

Bridge Feature Intersected  
RIVER RD, MN AV, WARRIOR R

Inspection Begin Date (B.IE.02) \*  
09/04/2025

Entered By \*  
Inspector: Bridge

**Inspection Types**

[Add New](#)

| Inspection Type <sup>1</sup> | Inspector       |  |  |
|------------------------------|-----------------|--|--|
| NSTM                         | Yates, Benjamin |  |  |
| Special                      | Yates, Benjamin |  |  |

[Save](#) [Cancel](#)

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: NSTM and Special Due

### Step 5: Review Schedule Grid

Schedule

| Inspection Type <sup>1</sup> | Required for Bridge                 | Inspection Being Performed (B.IE.01) | Inspector       | Most Recent Inspection Completion Date (B.IE.03) | Interval Method (B.IE.07) | Interval (months) (B.IE.05) | Inspection Due Date (B.IE.06) |
|------------------------------|-------------------------------------|--------------------------------------|-----------------|--|---------------------------|-----------------------------|-------------------------------|
| Damage                       |                                     |                                      |                 |  |                           |                             |                               |
| In-Depth                     |                                     |                                      |                 |  |                           |                             |                               |
| Initial                      |                                     |                                      |                 |  |                           |                             |                               |
| NSTM                         | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       |                           | 12                          | 09/04/2026                    |
| Routine                      | <input checked="" type="checkbox"/> |                                      |                 | 10/15/2024                                       |                           | 24                          | 10/15/2026                    |
| Scour Inspection             | <input checked="" type="checkbox"/> |                                      |                 | 10/01/2024                                       | N Not applicable          | 24                          | 10/01/2026                    |
| Scour Monitoring             |                                     |                                      |                 |  |                           |                             |                               |
| Service                      |                                     |                                      |                 |  |                           |                             |                               |
| Special                      | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       |                           | 12                          | 09/04/2026                    |
| Underwater                   | <input checked="" type="checkbox"/> |                                      |                 | 08/08/2024                                       |                           | 24                          | 08/08/2026                    |

Bridges > Inspection > Schedule

Creating New Inspections

# Example: Routine, Underwater, Scour Due



**Alabama Department of Transportation**

## Structures Due For Inspection

**Search criteria given:**

Report Date: 10/01/2025  
 Maintenance: All  
 Insp Responsibility: State Highway Agency  
 District: All  
 County: All  
 City: All

**Area: Mobile**

| IDENTIFICATION |                      |                         |                | TYPE INSPECTION DUE |      |         |         |         | EQUIP |     |     |
|----------------|----------------------|-------------------------|----------------|---------------------|------|---------|---------|---------|-------|-----|-----|
| Bridge ID      | Alabama_ID           | Location                | Posting Status | Routine             | NSTM | UW      | Special | Scour   | DEL   | A02 | A03 |
| 004171         | OAL0225 020013.18400 | 1 MI N COUNTY ROAD 138  | PO             | 09/2025             |      | 09/2025 |         | 09/2025 |       |     |     |
| 007804         | OAL0225 020002.10800 | 2.1 M N JCT US 31 * 225 | PO             | 09/2025             |      | 09/2025 |         | 09/2025 |       |     |     |

Bridges > Inspection > Inspection List

Creating New Inspections

# Example: Routine, Underwater, Scour Due



## Step 1: Add new inspection on Inspection List page

### Inspection List

Bridge
Bridge Name
Bridge Nickname  
004171
004171
SR 225 OVER STONEY RIDGE CREEK

List View    Element Condition History

+ Add New

| Inspection Begin Date (B.JE.02) ↓ | Inspection Types                      | Status   | Deck Rating (B.C.01) | Super Rating (B.C.02) | Sub Rating (B.C.03) | Culvert Rating (B.C.04) |
|-----------------------------------|---------------------------------------|----------|----------------------|-----------------------|---------------------|-------------------------|
| 10/25/2023                        | Routine, Scour Inspection, Underwater | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/06/2021                        | Routine, Underwater                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/29/2019                        | Routine, Underwater                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/03/2017                        | Routine, Underwater                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/14/2015                        | Routine, Underwater                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/16/2013                        | Routine, Underwater                   | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |
| 10/04/2011                        | Routine                               | 3 Active | N Not Applicable     | N Not Applicable      | N Not Applicable    | 6 Satisfactory          |

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Underwater, Scour Due

### Step 2: Update B.IE.02 - Inspection Begin Date

**Create Bridge Inspection**

Bridge  
004171

Bridge Name  
004171

Bridge Nickname  
SR 225 OVER STONEY RIDGE CREEK

Bridge Facility Carried  
SR 225

Bridge Feature Intersected  
STONEY RIDGE CREEK

Inspection Begin Date (B.IE.02) \*  
09/29/2025

Entered By \*

Inspection Types

Inspection Type **Inspector**

No records to display.

Inspection Begin Date (B.IE.02) \*

09/04/2025

September 2025

| Su | Mo | Tu | We | Th | Fr | Sa |
|----|----|----|----|----|----|----|
| 31 | 1  | 2  | 3  | 4  | 5  | 6  |
| 7  | 8  | 9  | 10 | 11 | 12 | 13 |
| 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 | 25 | 26 | 27 |
| 28 | 29 | 30 | 1  | 2  | 3  | 4  |
| 5  | 6  | 7  | 8  | 9  | 10 | 11 |

Clear Today

Inspector

Inspection Begin Date (B.IE.02) \*

09/04/2025

Entered By \*

Inspector, Bridge

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Underwater, Scour Due

### Step 3: Add Inspection Types and Inspector

Routine

**Create Inspection Type**

Inspection Type \*

- Damage
- In-Depth
- Initial
- NSTM
- Routine**

**Create Inspection Type**

Inspection Type \*

Routine

Inspector \*

Vates, Benjamin

OK Cancel

Underwater

**Create Inspection Type**

Inspection Type \*

- Damage
- In-Depth
- Initial
- NSTM
- Scour Monitoring
- Special
- Underwater**

**Create Inspection Type**

Inspection Type \*

Underwater

Inspector \*

Bettarion, John

OK Cancel

Scour Inspection

**Create Inspection Type**

Inspection Type \*

- Scour Inspection
- Damage
- In-Depth
- Initial
- NSTM
- Scour Inspection**

**Create Inspection Type**

Inspection Type \*

Scour Inspection

Inspector \*

Vates, Benjamin

OK Cancel

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Underwater, Scour Due

**Step 4:** Save to create new inspection

### Create Bridge Inspection

Bridge: 004171

Bridge Name: 004171

Bridge Nickname: SR 225 OVER STONEY RIDGE CREEK

Bridge Facility Carried: SR 225

Bridge Feature Intersected: STONEY RIDGE CREEK

Inspection Begin Date (B.IE.02) #: 09/04/2025

Entered By #: Inspector, Bridge

**Inspection Types**

| Inspection Type T1: | Inspector       |  |  |
|---------------------|-----------------|--|--|
| Routine             | Yates, Benjamin |  |  |
| Scour Inspection    | Yates, Benjamin |  |  |
| Underwater          | Betterton, John |  |  |

[Add New](#)

[Save](#) [Cancel](#)

Bridges > Inspection > Inspection List

Creating New Inspections

## Example: Routine, Underwater, Scour Due

**Step 5:** Review Schedule Grid

| Inspection Type T1:     | Required for Bridge                 | Inspection Being Performed (B.IE.01) | Inspector       | Most Recent Inspection Completion Date (B.IE.03) | Interval Method (B.IE.07) | Interval (months) (B.IE.05) | Inspection Due Date (B.IE.06) |
|-------------------------|-------------------------------------|--------------------------------------|-----------------|--|---------------------------|-----------------------------|-------------------------------|
| <b>Damage</b>           |                                     |                                      |                 |  |                           |                             |                               |
| <b>In-Depth</b>         |                                     |                                      |                 |  |                           |                             |                               |
| <b>Initial</b>          |                                     |                                      |                 |  |                           |                             |                               |
| NSTM                    |                                     |                                      |                 | 01/01/1901                                       |                           |                             | 01/01/1901                    |
| Routine                 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       |                           | 24                          | 09/04/2027                    |
| Scour Inspection        | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Yates, Benjamin | 09/04/2025                                       | N Not applicable          | 24                          | 09/04/2027                    |
| <b>Scour Monitoring</b> |                                     |                                      |                 |  |                           |                             |                               |
| <b>Service</b>          |                                     |                                      |                 |  |                           |                             |                               |
| Special                 |                                     |                                      |                 | 01/01/1901                                       |                           |                             | 01/01/1901                    |
| Underwater              | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/>  | Betterton, John | 09/04/2025                                       |                           | 24                          | 09/04/2027                    |

[Save](#) [Save & Close](#) [Cancel](#) [Delete Bridge Inspection](#)

Bridges > Inspection > Schedule

Creating New Inspections

# Entering Cross Sections

Navigate to Bridges > Inspection > Cross Sections

Make sure the correct bridge and orientation are selected

**Cross Sections**

|             |            |             |        |                 |          |
|-------------|------------|-------------|--------|-----------------|----------|
| Bridge      | 999999     | Bridge Name | 999999 | Bridge Nickname | _ OVER _ |
| Orientation | Right View |             |        |                 |          |

AASHTOWare™  
Bridge Management

- < Back
- Inspection
- Inspection List
- Inspection Plan
- Condition
- Cross Sections**
- Work Candidates
- Schedule
- Equipment

Make sure the correct offset is selected

Streambed Cross Sections    Scour Potential Evaluation

|        |        |            |         |
|--------|--------|------------|---------|
| Offset | 23.375 | Month/Year | 04/2025 |
|--------|--------|------------|---------|

Bridges > Inspection > Cross Sections

Creating New Inspections

# Entering Cross Sections

Streambed Cross Sections    Scour Potential Evaluation    Structure Detail

|        |        |            |         |
|--------|--------|------------|---------|
| Offset | 23.375 | Month/Year | 04/2025 |
|--------|--------|------------|---------|

**Graph Line Settings**

Name \*  
Streambed Cross Section

- Add New
- Copy**
- Delete

Click "Copy" and enter the new Month/Year

**Copy Month/Year**

Orientation  
Right View

Offset  
23.375

Month \*  
05

Year \*  
2025

Save    Cancel

Bridges > Inspection > Cross Sections

Creating New Inspections

## Entering Cross Sections

Update sounding measurements for each station

Offset: 23.375 Month/Year: 05/2025

Details

| Station #  | Sounding/Elevation (ft) | Remarks    |  |  |
|------------|-------------------------|------------|--|--|
| 109 + 95   | 7                       | Abutment 1 |  |  |
| 110 + 22.5 | 12.2                    |            |  |  |
| 110 + 50   | 24.1                    | Bent 2     |  |  |
| 110 + 77.5 | 22.3                    |            |  |  |
| 111 + 5    | 14.9                    | Bent 3     |  |  |
| 111 + 32.5 | 11.7                    |            |  |  |
| 111 + 60   | 7                       | Abutment 4 |  |  |

<< < 1 > >> 15 1 - 7 of 7

## Entering Cross Sections

Streambed Cross Sections | Scour Potential Evaluation | Structure Detail | Original Streambed Elevation

Scour Resistant Layer

Offset: 23.375 Month/Year: 05/2025

After updating the measurements for each station, save, then copy to the other side.

Once copied to other side, update the sounding measurements for each station and save.

# Entering Cross Sections



Review the graph for each side, then print directly from BrM or download to your device.

Print chart

Download PNG image

Download JPEG image

Download PDF document

# New Inspections: Update Items on Schedule Page

**Schedule**

Note: Date Entered is not editable

**Summary**

|  |   |  |
|--|---|--|
| Inspection Begin Date (B.IE.02) <span style="float: right;">📅</span><br>09/04/2025       | Inspection Completion Date (B.IE.03) <span style="float: right;">📅</span><br>09/04/2025 | Date Entered <span style="float: right;">📅</span><br>9/26/2025           |
| Entered By <span style="float: right;">👤</span><br>Inspector: Bridge                     | QC Date (B.IE.08) <span style="float: right;">📅</span><br>mm/dd/yyyy                    | QA Date (B.IE.09) <span style="float: right;">📅</span><br>mm/dd/yyyy     |
| Inspection Data Update Date (B.IE.10) <span style="float: right;">📅</span><br>mm/dd/yyyy | Bridge Group <span style="float: right;">📁</span><br>{0} FIX PARAM VALUES               | Admin Area <span style="float: right;">📁</span><br>{04} FIX PARAM VALUES |

**Inspection Needs**

|   |  |   |
|---|--|---|
| NSTM Inspection Required (B.IR.01) <span style="float: right;">📄</span><br>N NSTM inspection not required | Fatigue Details (B.IR.02) <span style="float: right;">📄</span> | Complex Features (B.IR.04) <span style="float: right;">📄</span> |
| Underwater Inspection Required (B.IR.03) <span style="float: right;">📄</span>                             |  |   |

Verify / Update: B.IE.03 Inspection Completion Date

Verify / Update: B.IR.01, B.IR.02, B.IR.04 (Inspection Needs section)

# New Inspections: Update Items on Schedule Page



**Schedule**

**Summary**

|                                       |                                      |                       |
|---------------------------------------|--------------------------------------|-----------------------|
| Inspection Begin Date (B.IE.02) *     | Inspection Completion Date (B.IE.03) | Date Entered          |
| 09/04/2025                            | 09/04/2025                           | 9/26/2025             |
| Entered By                            | QC Date (B.IE.08)                    | QA Date (B.IE.09)     |
| Inspector, Bridge                     | mm/dd/yyyy                           | mm/dd/yyyy            |
| Inspection Data Update Date (B.IE.10) | Bridge Group                         | Admin Area            |
| mm/dd/yyyy                            | [0] FIX PARAM VALUES                 | [04] FIX PARAM VALUES |

**Inspection Needs**

|  |                           |                            |
|--|---------------------------|----------------------------|
| NSTM Inspection Required (B.IR.01)       | Fatigue Details (B.IR.02) | Complex Features (B.IR.04) |
| N NSTM Inspection not required           |                           |                            |
| Underwater Inspection Required (B.IR.03) |                           |                            |

B.IE.09 Will be updated by Central Office

B.IE.10 Will be updated automatically in a future update

Bridges > Inspection > Schedule

Creating New Inspections

# New Inspections: Inspector Qualifications



Inspector added to inspection type must have the required qualifications to perform that inspection type

**Create Bridge Inspection**

Bridge: 002592

Bridge Name: ??????????????????????

Bridge Nickname: US 278 OVER LICK CREEK

Bridge Facility Carried: US 278

Bridge Feature Intersected: LICK CREEK

Inspection Begin Date (B.IE.02) \*: 09/04/2025

Entered By \*: Inspector, Bridge

Inspection Types

| Inspection Type | Inspector         |
|-----------------|-------------------|
| Routine         | Inspector, Bridge |

[Add New](#)

**Create Bridge Inspection**

**Validation Messages**

▲ Inspector "Inspector, Bridge" does not meet the qualification requirements for the Inspection Type "Routine"

Bridge: 002592

Bridge Name: ??????????????????????

Bridge Nickname: US 278 OVER LICK CREEK

Bridge Facility Carried: US 278

Bridge Feature Intersected: LICK CREEK

Inspection Begin Date (B.IE.02) \*: 09/04/2025

Entered By \*: Inspector, Bridge

Inspection Types

| Inspection Type | Inspector         |
|-----------------|-------------------|
| Routine         | Inspector, Bridge |

[Add New](#)

Bridges > Inspection > Inspection List

Creating New Inspections

# New Inspections: Updating Condition Page

Must indicate which elements were inspected to edit

Back

Inspection

Inspection List

Inspection Plan

**Condition**

Cross Sections

Work Candidates

Schedule

Equipment

| Inspected                           | ID   | Name                            | Structure Unit | Type    | Environment | Total Quantity | Units | CS 1 Qty | CS 2 Qty | CS 3 Qty | CS 4 Qty |
|-------------------------------------|------|---------------------------------|----------------|---------|-------------|----------------|-------|----------|----------|----------|----------|
| <input checked="" type="checkbox"/> | 12   | Re Concrete Deck                | 1,1            | Element | Benign      | 46272          | sq ft | 6383     | 39339    | 550      | 0        |
| <input type="checkbox"/>            | 1080 | Delamination/Spall/Patched Area | 1,1            | Defect  | Benign      | 8              | sq ft | 0        | 8        | 0        | 0        |
| <input type="checkbox"/>            | 1130 | Cracking (RC and other)         | 1,1            | Defect  | Benign      | 39331          | sq ft | 0        | 39331    | 550      | 0        |
| <input checked="" type="checkbox"/> | 109  | Pre Opn Conc Girder/Beam        | 1,1            | Element | Benign      | 6456           | ft    | 6403     | 23       | 11       | 19       |
| <input type="checkbox"/>            | 1080 | Delamination/Spall/Patched Area | 1,1            | Defect  | Benign      | 20             | ft    | 0        | 7        | 3        | 10       |
| <input type="checkbox"/>            | 100  | Exposed Prestressing            | 1,1            | Defect  | Benign      | 12             | ft    | 0        | 9        | 2        | 0        |
| <input type="checkbox"/>            | 1110 | Cracking (PSC)                  | 1,1            | Defect  | Benign      | 33             | ft    | 0        | 38       | 0        | 1        |
| <input checked="" type="checkbox"/> | 205  | Re Conc Column                  | 1,1            | Element | Benign      | 6              | each  | 0        | 5        | 1        | 0        |

Creating New Inspections

# Updating Condition Page

If the element was inspected and the condition states are unchanged, the Inspected box should still be checked

Element Conditions

Quantity/Percentage Structure Unit Environment

Quantity All All

Search

Expand All Add New

| Inspected                           | ID  | Name                     | Structure Unit | Type    | Environment | Total Quantity | Units | CS 1 Qty | CS 2 Qty | CS 3 Qty | CS 4 Qty | Description                                   |
|-------------------------------------|-----|--------------------------|----------------|---------|-------------|----------------|-------|----------|----------|----------|----------|---|
| <input checked="" type="checkbox"/> | 12  | Re Concrete Deck         | 1              | Element | Benign      | 46272          | sq ft | 6383     | 39339    | 550      | 0        | Fine HL Map Cracking all SP's. Some CS3 Tr    |
| <input checked="" type="checkbox"/> | 109 | Pre Opn Conc Girder/Beam | 1              | Element | Benign      | 6456           | ft    | 6390     | 30       | 14       | 22       | Fh diaphs cr'g and spall'g grout at outside   |
| <input checked="" type="checkbox"/> | 205 | Re Conc Column           | 1              | Element | Benign      | 6              | each  | 0        | 5        | 1        | 0        | BT #9, Column - Cracking (CS3) @ WL All o     |
| <input checked="" type="checkbox"/> | 215 | Re Conc Abutment         | 1              | Element | Benign      | 110            | ft    | 90       | 18       | 2        | 0        | ABT #1 - 2' CS2 Eff, 2' CS2 Spall ABT #17 - 1 |
| <input checked="" type="checkbox"/> | 225 | Steel Pile               | 1              | Element | Benign      | 54             | each  | 0        | 54       | 0        | 0        | All Piles - CS2 Corrosion / Paint Peeling (mi |
| <input checked="" type="checkbox"/> | 234 | Re Conc Pier Cap         | 1              | Element | Benign      | 587            | ft    | 447      | 56       | 84       | 0        | Cracking in Caps. Some w/EFF. Some w/Rus      |
| <input checked="" type="checkbox"/> | 304 | Open Expansion Joint     | 1              | Element | Benign      | 387            | ft    | 362      | 0        | 25       | 0        | Asphalt behind GIR's @ ABT's                  |
| <input checked="" type="checkbox"/> | 310 | Elastomeric Bearing      | 1              | Element | Benign      | 96             | each  | 96       | 0        | 0        | 0        | Good Condition                                |
| <input checked="" type="checkbox"/> | 321 | Re Conc Approach Slab    | 1              | Element | Benign      | 2408           | sq ft | 2408     | 0        | 0        | 0        | 237' CS2 Cracking in Asphalt Overlay          |
| <input checked="" type="checkbox"/> | 331 | Re Conc Bridge Railing   | 1              | Element | Benign      | 2152           | ft    | 1827     | 195      | 130      | 0        | Cracking in Rails, Some Map. EFF. Spalling f  |

Creating New Inspections



# Reports

ALDOT

## Reports

ALDOT

Reports that run for specified user-selected BINs

1. Use bridge list on the **Assets** tab to select the BINs
2. Use the **Reports** tab to generate the report

Reports that run based on pre-defined parameters (Maint Resp, County, Bridge Status, etc.)

1. Skip to the **Reports** tab to generate the report.

Reports

# Reports



## Generate

Asset Type

Bridge

Assets Reports

Search

| Name ↑                           | Description ↑↓             |    |
|----------------------------------|----------------------------|----|
| A-5 Inspection Planning          | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-5 Inspection Planning (Today)  | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-7 Federally Req'd List         | Updated: 2025-06-26   v2.3 | ⚙️ |
| A-16 Load Posting Action Needed  | Updated: 2025-02-12   v0.0 | ⚙️ |
| BI-4 Streambed Cross Sections    | Updated: 2025-04-04   v0.0 | ⚙️ |
| BI-5 Inspection Report           | Updated: 2025-09-02   v0.0 | ⚙️ |
| BI-6 Structure Inv and Appraisal | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-9 Bridge Maintenance Needed   | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-All                           | Updated: 2025-09-02   v0.0 | ⚙️ |

<< < 1 > >> 15 1 - 9 of 9

Reports

# Reports



## Generate

Asset Type

Bridge

Assets Reports

Search

| Name ↑                           | Description ↑↓             |    |
|----------------------------------|----------------------------|----|
| A-5 Inspection Planning          | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-5 Inspection Planning (Today)  | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-7 Federally Req'd List         | Updated: 2025-06-26   v2.3 | ⚙️ |
| A-16 Load Posting Action Needed  | Updated: 2025-02-12   v0.0 | ⚙️ |
| BI-4 Streambed Cross Sections    | Updated: 2025-04-04   v0.0 | ⚙️ |
| BI-5 Inspection Report           | Updated: 2025-09-02   v0.0 | ⚙️ |
| BI-6 Structure Inv and Appraisal | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-9 Bridge Maintenance Needed   | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-All                           | Updated: 2025-09-02   v0.0 | ⚙️ |

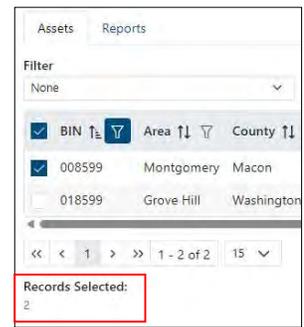
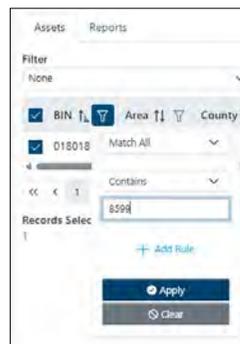
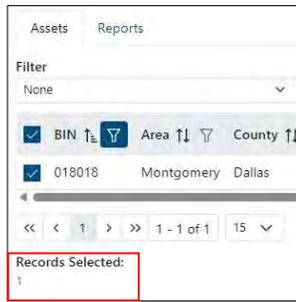
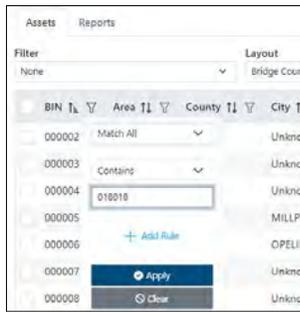
<< < 1 > >> 15 1 - 9 of 9

Run based on pre-defined parameters

Require selecting bridge(s) on assets tab first.

Reports

# Reports

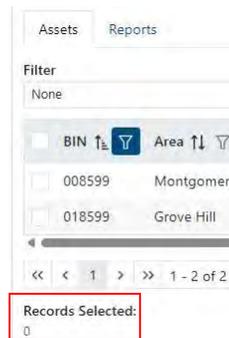
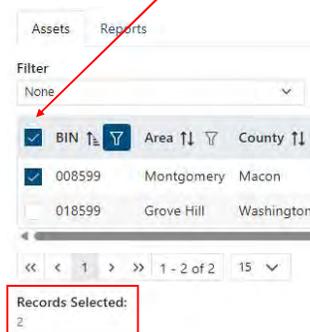


- Use BI-All to generate inspection forms
- Use individual BI reports when partials are needed
- BI reports require a bridge selection to generate the report(s)
- Select bridges (and unselect) on the assets tab before generating BI reports

**Remember to unselect bridges you already generated reports for when selecting more**

# Reports

Click this checkbox to unselect all



# Reports

Show Past Photos:

By default, the report will print all photos that are flagged from the last inspection.

Checking this box will include all photos that are flagged from all previous inspections.

Generate Report

Report Name  
BI-All

File Format \*  
PDF

Arguments

ShowPastPhotos

Generate Cancel

# Inspection Planning Report

Generate

Asset Type  
Bridge

Assets Reports

Search

| Name                             | Description                |    |
|----------------------------------|----------------------------|----|
| A-5 Inspection Planning          | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-5 Inspection Planning (Today)  | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-7 Federally Req'd List         | Updated: 2025-06-26   v2.3 | ⚙️ |
| A-16 Load Posting Action Needed  | Updated: 2025-02-12   v0.0 | ⚙️ |
| BI-4 Streambed Cross Sections    | Updated: 2025-04-04   v0.0 | ⚙️ |
| BI-5 Inspection Report           | Updated: 2025-09-02   v0.0 | ⚙️ |
| BI-6 Structure Inv and Appraisal | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-9 Bridge Maintenance Needed   | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-All                           | Updated: 2025-09-02   v0.0 | ⚙️ |

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Generate Report

Report Name  
A-5 Inspection Planning

File Format \*  
PDF

Arguments

Report Date \*

Maintenance Responsibility  
No items selected

Inspection Responsibility  
No items selected

Area  
No items selected

County  
No items selected

City  
No items selected

Generate

# Reports: Inspection Planning Report



- Must be **mm/dd/yyyy** format
- **Past Date** – Never do this. Report output *should* be the same as using current date.
- **Current Date** – Shows everything due or overdue through current month
- **Future Date** – If the future date is in a future month the report will only show what is due in that month.

Reports

# Inspection Planning Report



## Example

Inspection Responsibility = ALDOT

**Inspection Responsibility** = State Highway Agency

**Area** = (Select an ALDOT Area)

**Leave all other criteria blank**

Reports

# Inspection Planning Report



## Example

Inspection Responsibility = County

**Inspection Responsibility** = County Highway Agency

**County** = (Select a County)

**Leave all other criteria blank**

|                            |  |
|----------------------------|--|
| Maintenance Responsibility |  |
| No items selected          |  |
| Inspection Responsibility  |  |
| County Highway Agency      |  |
| Area                       |  |
| No items selected          |  |
| County                     |  |
| Jefferson                  |  |
| City                       |  |
| No items selected          |  |

Reports

# Inspection Planning Report



## Example

Inspection Responsibility = City

**Inspection Responsibility** = City of Municipal Agency

**City** = (Select a City)

**Leave all other criteria blank**

|                            |  |
|----------------------------|--|
| Maintenance Responsibility |  |
| No items selected          |  |
| Inspection Responsibility  |  |
| City or Municipal Agency   |  |
| Area                       |  |
| No items selected          |  |
| County                     |  |
| No items selected          |  |
| City                       |  |
| HUNTSVILLE                 |  |

Reports

# Inspection Planning Report



## A-5 Inspection Planning (Today)

- Uses the current date as report date
- Parameters are the same as other Inspection Planning report

**Generate**

Asset Type  
Bridge ▾

Assets Reports

Q Search

| Name ↕                          | Description ↕              |
|---------------------------------|----------------------------|
| A-5 Inspection Planning         | Updated: 2025-09-22   v0.1 |
| A-5 Inspection Planning (Today) | Updated: 2025-09-22   v0.1 |

Reports

# Inspection Planning Report



## Example Output



### Structures Due For Inspection

Search criteria given:

Report Date: 09/02/2025  
 Maintenance: All  
 Insp Responsibility: State Highway Agency  
 District: All  
 County: All  
 City: All

Area: Troy

| IDENTIFICATION |                      |                       |                | TYPE INSPECTION DUE |      |    |         |         |     | EQUIP |     |
|----------------|----------------------|-----------------------|----------------|---------------------|------|----|---------|---------|-----|-------|-----|
| Bridge ID      | Alabama_ID           | Location              | Posting Status | Routine             | NSTM | UW | Special | Scour   | DEL | A02   | A03 |
| 000390         | OAL0015 550115.98500 | 2.9 MI. N. OF BANKS   | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |
| 000494         | OAL0010 550160.11800 | 1.5 MI E.PIKE CO 2201 | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |
| 000495         | OAL0010 550162.82100 | .45 MI E.PIKE CO 2205 | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |
| 001685         | OAL0015 210070.99500 | 1.4 MI. N. SR 106     | PO             | 09/2025             |      |    |         | 09/2025 |     |       |     |
| 008277         | OAL0015 550106.01600 | 1 MI. N. PIKE CO. #7  | PO             | 09/2025             |      |    |         |         |     |       | Y   |
| 010289         | OAL0010 550172.84300 | 1.3 MI. E. OF TROY    | PO             | 09/2025             |      |    |         | 09/2025 |     |       | Y   |

Reports

# Federally Required List



## Generate

Asset Type

Bridge

Assets Reports

Search

| Name ↑                           | Description ↓              |    |
|----------------------------------|----------------------------|----|
| A-5 Inspection Planning          | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-5 Inspection Planning (Today)  | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-7 Federally Reqd List          | Updated: 2025-06-26   v2.3 | ⚙️ |
| A-16 Load Posting Action Needed  | Updated: 2025-02-12   v0.0 | ⚙️ |
| BI-4 Streambed Cross Sections    | Updated: 2025-04-04   v0.0 | ⚙️ |
| BI-5 Inspection Report           | Updated: 2025-09-02   v0.0 | ⚙️ |
| BI-6 Structure Inv and Appraisal | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-9 Bridge Maintenance Needed   | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-All                           | Updated: 2025-09-02   v0.0 | ⚙️ |

<< < 1 > >> 15 1 - 9 of 9

Reports

# Federally Required List



## State Example

Maintenance Responsibility [Edit](#)

S01 State transportation department

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

Birmingham

County [Edit](#)

No items selected

City [Edit](#)

No items selected

## County Example

Maintenance Responsibility [Edit](#)

L01 County highway agency

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

No items selected

County [Edit](#)

Baldwin

City [Edit](#)

No items selected

## City Example

Maintenance Responsibility [Edit](#)

L03 City or municipal highway agency

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

No items selected

County [Edit](#)

No items selected

City [Edit](#)

ALABASTER

Reports

# Federally Required List



Example Output

| FEDERALLY REQUIRED LIST  |       |                        |                                    |
|--|-------|------------------------|------------------------------------|
|  |       |                        | September 29, 2025<br>Page 1 of 32 |
| Micro: 001 State transportation department<br>Org: Road: All<br>Area: Gadsdenville<br>County: All<br>City: All |       |                        |                                    |
| STRUCTURES SUMMARY   |       |                        |                                    |
| STRUCTURE TYPES  | Total | FHWA Deck Area (Sq Ft) | AL Deck Area (Sq Ft)               |
| Total Active Structures:   | 648   | 7,812,219              | 8,764,364                          |
| Total Active Bridges:  | 411   | 7,477,667              | 7,477,666                          |
| Total Active Culverts:   | 237   | 334,552                | 1,286,698                          |
| Total Active Unknown Types:  | 0     | 0                      | 0                                  |
| INSPECTION TYPES   | Total | FHWA Deck Area (Sq Ft) | AL Deck Area (Sq Ft)               |
| Routine:   | 648   | 7,812,219              | 8,764,364                          |
| Underwater:  | 67    | 1,644,894              | 1,697,423                          |
| NSTM:  | 12    | 1,779,072              | 1,779,072                          |
| Special:   | 12    | 130,280                | 130,280                            |
| Scour:   | 487   | 5,395,918              | 6,325,119                          |
| EQUIPMENT TYPES  | Total |                        |                                    |
| A01 Ladder:  | 0     |                        |                                    |
| A02 Bucket lift vehicle:   | 126   |                        |                                    |
| A03 Under bridge inspection vehicle:   | 320   |                        |                                    |
| A04 Rigging:   | 313   |                        |                                    |
| A06 Boat:  | 36    |                        |                                    |
| AX ATV:  | 2     |                        |                                    |

Reports

# Load Posting Action Needed



| Generate                         |                            |    |
|----------------------------------|----------------------------|----|
| Asset Type                       |                            |    |
| Bridge                           |                            |    |
| Assets Reports                   |                            |    |
| Search                           |                            |    |
| Name                             | Description                |    |
| A-5 Inspection Planning          | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-5 Inspection Planning (Today)  | Updated: 2025-09-22   v0.1 | ⚙️ |
| A-7 Federally Reqd List          | Updated: 2025-06-26   v2.3 | ⚙️ |
| A-16 Load Posting Action Needed  | Updated: 2025-02-12   v0.0 | ⚙️ |
| BI-4 Streambed Cross Sections    | Updated: 2025-04-04   v0.0 | ⚙️ |
| BI-5 Inspection Report           | Updated: 2025-09-02   v0.0 | ⚙️ |
| BI-6 Structure Inv and Appraisal | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-9 Bridge Maintenance Needed   | Updated: 2025-04-04   v0.1 | ⚙️ |
| BI-All                           | Updated: 2025-09-02   v0.0 | ⚙️ |
| << < 1 > >> 15 1 - 9 of 9        |                            |    |

Reports

# Load Posting Action Needed



## State Example

Maintenance Responsibility [Edit](#)

S01 State transportation department

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

Birmingham

County [Edit](#)

No items selected

City [Edit](#)

No items selected

## County Example

Maintenance Responsibility [Edit](#)

L01 County highway agency

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

No items selected

County [Edit](#)

Baldwin

City [Edit](#)

No items selected

## City Example

Maintenance Responsibility [Edit](#)

L03 City or municipal highway agency

Inspection Responsibility [Edit](#)

No items selected

Area [Edit](#)

No items selected

County [Edit](#)

No items selected

City [Edit](#)

ALABASTER

Reports

# Load Posting Action Needed



## Example Output

BrM 7  
STRUCTURES RECOMMENDED FOR POSTING  
(B.P.S.01 Needs Action, Needs Reduction, or Missing)  
SIGNS NOT IN PLACE

DIVISION:  
COUNTY:  
CITY:

| BIN    | STRUCT NUM           | FEATURES INTERSECTED | RATING DATE | Posting Status | Posting Status Date |
|--------|----------------------|----------------------|-------------|----------------|---------------------|
| 004389 | OAL0050 620004.87500 | WIND CREEK           | 05/30/2025  | PA             | 05/30/2025          |
| 010981 | OCO0060 230000089Z00 | LITTLE JUDY CREEK    | 07/01/2025  | PD             | 07/01/2025          |
| 020218 | OCO0000 650000008800 | BRUSHY CREEK         | 07/30/2025  | PA             | 07/30/2025          |
| 004008 | OCO0004 010000025X00 | AUTAUGA CREEK        | 09/11/2025  | PA             | 09/11/2025          |
| 009673 | OCO0023 320000049X00 | MURPHY CREEK         | 09/17/2025  | PA             | 09/17/2025          |
| 011582 | OCO0000 220000146Z00 | BRANCH               | 09/18/2025  | PD             | 09/18/2025          |
| 008743 | OCO0023 220000238Z00 | MOODY BRANCH         | 09/16/2025  | PA             | 09/16/2024          |
| 001499 | OCO0138 450000053X00 | BANYON SWAMP BRANCH  | 09/23/2025  | PD             | 09/23/2025          |
| 005285 | OCO0076 250000120Z00 | SOUTH FORK           | 07/22/2025  | PD             | 07/22/2025          |
| 004017 | OCO0006 210000025X00 | CONECUH RIVER        | 09/19/2025  | PA             | 09/19/2025          |
| 002411 | OCO0073 420000125Z00 | CAVE BR              | 09/09/2025  | PA             | 09/09/2025          |
| 009795 | OCO0188 390000100Z00 | POSSUM CREEK         | 09/23/2025  | PD             | 09/24/2025          |
| 008775 | OCO0038 390000144Z00 | COWPEN CREEK         | 09/23/2025  | PA             | 09/23/2025          |
| 011435 | OCO0039 220000242Z00 | FLINT CREEK          | 09/16/2025  | PA             | 09/16/2024          |
| 007368 | OCO0021 230000111X00 | HURRICANE CREEK      | 04/29/2025  | PD             | 05/13/2025          |

TOTAL NUMBER OF STRUCTURES: 15

Reports



# Dashboards

## Dashboards

|                                      |
|--------------------------------------|
| Dashboards                           |
| D.1.6.2 Structure Sounding Dashboard |
| D.1.6.7 Federally Required List      |
| D.1.6.15 Rating Inventory Report     |
| Clearances Dashboard                 |
| Work Candidates Dashboard            |
| Features Dashboard                   |

- Many-to-One data relationships are not easily displayed in a bridge list-layout like previous BrM versions.
- The bridge list is only allowed to return one row per BIN.
- Dashboard grids are not bound by this requirement therefore become the best option for searching many-to-one datasets.

# Dashboards

Dashboard Notes:  
Dashboard coded for structures in Active status

Data

Features

| Type                      | All   | Carried | Below | Above | Top Level | Lower Level |
|---------------------------|-------|---------|-------|-------|-----------|-------------|
| Highways                  | 18120 | 16303   | 1720  | 6     | 1         | 0           |
| Railroad                  | 625   | 2       | 623   |       |           |             |
| Pathway                   | 373   | 360     | 13    |       |           |             |
| Waterway                  |       |         | 13609 |       |           |             |
| Relief for waterway       |       |         | 747   |       |           |             |
| Urban Feature             | 2     | 0       | 2     |       |           |             |
| Dry Terrain or Side Slope |       |         | 0     |       |           |             |
| Other                     | 59    | 0       | 59    |       |           |             |

Notes section gives brief information about the dashboard that may not be obvious.

Features Dashboard

Dashboard Notes:  
Dashboard coded for structures in Active status

# Dashboards

D.1.6.7 Federally Required List

Filters

Inspection Responsibility Maintenance Responsibility Area County City

- Some dashboards have filters, especially those that mimic former or current reports.
- **The dashboard will still work without selecting a filter.**

# Dashboards

Dashboard: Features Dashboard

### Features Dashboard

Dashboard Notes:

Dashboard coded for structures in Active status.

Data

Features

| Type                      | All                   | Carried               | Below                 | Above             | Top Level         | Lower Level       |
|---------------------------|-----------------------|-----------------------|-----------------------|-------------------|-------------------|-------------------|
| Highways                  | <a href="#">18120</a> | <a href="#">16393</a> | <a href="#">1720</a>  | <a href="#">6</a> | <a href="#">1</a> | <a href="#">0</a> |
| Railroad                  | <a href="#">625</a>   | <a href="#">2</a>     | <a href="#">623</a>   |                   |                   |                   |
| Pathway                   | <a href="#">373</a>   | <a href="#">360</a>   | <a href="#">13</a>    |                   |                   |                   |
| Waterway                  |                       |                       | <a href="#">13609</a> |                   |                   |                   |
| Relief for waterway       |                       |                       | <a href="#">747</a>   |                   |                   |                   |
| Urban Feature             | <a href="#">2</a>     | <a href="#">0</a>     | <a href="#">2</a>     |                   |                   |                   |
| Dry Terrain or Side Slope |                       |                       | <a href="#">0</a>     |                   |                   |                   |
| Other                     | <a href="#">59</a>    | <a href="#">0</a>     | <a href="#">59</a>    |                   |                   |                   |

Tables in the Data section will be populated with values appearing as a hyperlink.

Dashboards

# Dashboards

Clicking here displays the records in a table below with more information.

Data

Features

| Type     | All                  | Carried              | Below               |
|----------|----------------------|----------------------|---------------------|
| Highways | <a href="#">2327</a> | <a href="#">2117</a> | <a href="#">210</a> |
| Railroad | <a href="#">71</a>   | <a href="#">0</a>    | <a href="#">71</a>  |

Asset Table Grid

Highways Carried

[Export to XLS](#) [Export to PDF](#)

| T1 | FeatureName T1    | Name T1   | LRSRouteID T1 | MilePoint T1 | MinVerticalClearance T1 | NHSDesignation T1 | RouteNumber T1 | RouteType T1 |
|----|-------------------|-----------|---------------|--------------|-------------------------|-------------------|----------------|--------------|
|    | WALL TRIANA HWY   | H Highway | CO0495000     | 0.006        | 99.9                    | N                 | 495            | 4            |
|    | AL 73             | H Highway | AL0073000     | 2.979        | 99.9                    | N                 | 73             | 3            |
|    | DILBECK RD        | H Highway | MU0025000     | 0.006        | 99.9                    | N                 | 0              | 5            |
|    | COUNTY HWY 1409   | H Highway | CO0409000     | 0.006        | 99.9                    | N                 | 409            | 4            |
|    | CO RT. 2          | H Highway | CO0002000     | 0.006        | 99.8                    | N                 | 2              | 4            |
|    | BROOKMANOR        | H Highway | MU0124000     | 0.006        | 99.9                    | N                 | 0              | 3            |
|    | DUG HILL RD       | H Highway | CO0332000     | 0.006        | 99.9                    | N                 | 332            | 4            |
|    | CO RT 38          | H Highway | CO0038000     | 0.006        | 99.9                    | N                 | 38             | 4            |
|    | US 431            | H Highway | AL0001000     | 269.242      | 99.9                    | Y                 | 431            | 2            |
|    | CO RT. 22         | H Highway | CO0022000     | 0.006        | 99.9                    | N                 | 22             | 4            |
|    | CHEROKEE #75      | H Highway | CO0075000     | 0.006        | 99.9                    | N                 | 75             | 4            |
|    | NORTH PLYMOUTH RD | H Highway | MU0179000     | 0.006        | 99.9                    | N                 | 0              | 5            |
|    | CHEROKEE #95      | H Highway | CO0095000     | 0.006        | 99.9                    | N                 | 95             | 4            |
|    | A'M FIELD RD      | H Highway | MU0184000     | 0.006        | 99.9                    | N                 | 0              | 5            |
|    | UNPAVED ROAD      | H Highway | CO0000000     | 0.006        | 99.9                    | N                 | 0              | 4            |

1 - 15 of 2117

Dashboards

# Dashboards – Work Candidates

### Work Candidates Dashboard

**Dashboard Notes:**

SQL is hard-coded for: Maint = S01; Highway On: Active Status: Excludes Closed

Records returned are limited to current user's access

---

**Filters**

Area:

---

**Data**

**Work Candidates**

| High Priority | Medium Priority | Low Priority | All  |
|---------------|-----------------|--------------|------|
| 636           | 1695            | 268          | 2599 |

**Filters**

Area

- ▼
- Guntersville
- Tuscumbia
- Birmingham
- Alexander City
- Tuscaloosa
- Montgomery
- Troy
- Grove Hill
- Mobile
- Fayette
- Not Applicable
- Unknown

Dashboards

# Dashboards

**Asset Table Grid**

High Priority

[Export to XLS](#) [Export to KML](#)

| bridgeid ↑↓ ▾ | ALDOT Area ↑↓ ▾ | County ↑↓ ▾ | ALDOT District ↑↓ ▾ | Name ↑↓ ▾                     | Rec Date (yyyy/mm/dd) ↑↓ ▾ |
|---------------|-----------------|-------------|---------------------|-------------------------------|----------------------------|
| 002721        | 1               | Marshall    | 04                  | B30 SLOPE & SHORE PROT REPAIR | 2018/08/16                 |
| 017451        | 1               | Madison     | 02                  | B03 JOINT REPAIR - OPEN       | 2024/03/20                 |
| 017451        | 1               | Madison     | 02                  | B42 BENT CAP/BEAMS/BEAM SEAT  | 2024/03/20                 |
| 000337        | 1               | Dekalb      | 03                  | B26 BRIDGE CULVERT CLEANING   | 2024/04/01                 |
| 006752        | 1               | Madison     | 02                  | B12 MINOR SUPER REP-CONCRETE  | 2024/11/20                 |
| 006752        | 1               | Madison     | 02                  | B18 MINOR SUB REPAIR-CONCRETE | 2024/11/20                 |
| 006752        | 1               | Madison     | 02                  | B15 MAJOR SUPER REP-CONCRETE  | 2024/11/20                 |
| 006752        | 1               | Madison     | 02                  | B30 SLOPE & SHORE PROT REPAIR | 2024/11/20                 |
| 012346        | 1               | Jackson     | 03                  | B30 SLOPE & SHORE PROT REPAIR | 2024/10/07                 |
| 012346        | 1               | Jackson     | 03                  | B46 VEGETATION CONTROL        | 2024/10/07                 |
| 016530        | 1               | Madison     | 02                  | B38 OTHER STRUCTURE MAINT.    | 2023/11/08                 |
| 016530        | 1               | Madison     | 02                  | B46 VEGETATION CONTROL        | 2017/11/27                 |
| 006036        | 1               | Dekalb      | 03                  | B29 DRIFT REMOVAL             | 2025/02/11                 |

Dashboards

# Dashboards - Features



Dashboards > Features Dashboard

## Features Dashboard

Dashboard Notes:

Dashboard coded for structures in Active status.

### Data

#### Features

| Type                      | All   | Carried | Below | Above | Top Level | Lower Level |
|---------------------------|-------|---------|-------|-------|-----------|-------------|
| Highways                  | 18120 | 16393   | 1720  | 6     | 1         | 0           |
| Railroad                  | 625   | 2       | 623   |       |           |             |
| Pathway                   | 373   | 360     | 13    |       |           |             |
| Waterway                  |       |         | 13602 |       |           |             |
| Relief for waterway       |       |         | 747   |       |           |             |
| Urban Feature             | 2     | 0       | 2     |       |           |             |
| Dry Terrain or Side Slope |       |         | 0     |       |           |             |
| Other                     | 59    | 0       | 59    |       |           |             |

- Use this dashboard table to search items in the features dataset
- Many-to-one relationship

Dashboards

# Dashboards - Features



Table below displays relevant highway feature data

| Designation | FeatureName               | Name      | LRSRouteID | MilePoint | MinVerticalClearance | NHSDesignation | RouteNumber | RouteType | Direction |
|-------------|---------------------------|-----------|------------|-----------|----------------------|----------------|-------------|-----------|-----------|
| H02         | UNIVERSITY DR             | H Highway | AL0002000  | 97        | 15.1                 | Y              | Al 2        | 3         | EW        |
| H02         | I-565                     | H Highway | IN0565077  | 21.3      | 23.4                 | Y              | 565N        | 1         | 2-T       |
| H02         | OLD MONROVIA RD           | H Highway | MU0000000  | 0         | 18.7                 | N              | 0           | 5         | 2-T       |
| H02         | I-65                      | H Highway | AL0000000  | 166.589   | 34.5                 | N              | 0           | X         | 2-T       |
| H02         | I 59                      | H Highway | IN0059000  | 181.301   | 16.4                 | Y              | 59          | 1         | 2-T       |
| H02         | CO RD 1282                | H Highway | IN0065000  | 316.164   | 23.6                 | Y              | 65          | 1         | 2-T       |
| H03         | CHURCH STREET             | H Highway | MU0000000  | 0         | 16.3                 | N              | 0           | 5         | 2-T       |
| H04         | WASHINGTON STREET         | H Highway | MU0000000  | 0         | 16.3                 | N              | 0           | 5         | 2-T       |
| H02         | MILL STREET               | H Highway | MU0000000  | 0         | 16.3                 | N              | 0           | 5         | 2-T       |
| H05         | PRATT AVE                 | H Highway | MU000000   | 0         | 16.3                 | N              | 0           | 5         | 2-T       |
| H02         | INTERGRAPH WAY/NS R.R.    | H Highway | MU0000000  | 0         | 20.5                 | N              | 0           | 5         | 2-T       |
| H10         | WASHINGTON STREET         | H Highway | IN0565000  | 18.009    | 15.9                 | Y              | 565         | 1         | 1-T       |
| H07         | R6/A-565 E - US 231 NORTH | H Highway | IN0565000  | 18.009    | 15.9                 | Y              | 565         | 1         | 1-T       |
| H15         | HUMES AVE                 | H Highway | MU000000   | 0         | 15.9                 | N              | 0           | 5         | 2-T       |
| H04         | PULASKI PIKE              | H Highway | IN0565000  | 18.009    | 15.9                 | Y              | 565         | 1         | 1-T       |

Dashboards

# Dashboards - Features



## Features

| Type     | Carried | Below | Above | Top Level | Lower Level |
|----------|---------|-------|-------|-----------|-------------|
| Highways | 16377   | 1217  | 6     | 1         | 0           |

| Location | Designation | FeatureName | Name      | LRSRouteID | MilePoint | MinVerticalClearance | NHSDesignation | RouteNumber | RouteType | Direction |
|----------|-------------|-------------|-----------|------------|-----------|----------------------|----------------|-------------|-----------|-----------|
| B        | H02         | I65 SBL     | H Highway | AL0010000  | 120.869   | 16.8                 | Y              | 10          | 3         | 2-T       |
| B        | H02         | US80        | H Highway | IN0055000  | 167       | 17.3                 | Y              | 65          | 1         | 2-T       |
| B        | H04         | I-10 WBL    | H Highway | IN0010000  | 22.22     | 16                   | Y              | 10          | 1         | 1-T       |

| Type                | Carried | Below | Above | Top Level | Lower Level |
|---------------------|---------|-------|-------|-----------|-------------|
| Relief for waterway |         | 747   |       |           |             |

Items in the table grid will change based on the feature selected

| Location | Designation | FeatureName         | Name                  |
|----------|-------------|---------------------|-----------------------|
| B        | F01         | WARRIOR RVR REL (-) | F Relief for Waterway |
| B        | F01         | STREAM              | F Relief for Waterway |
| B        | F01         | SIPSEY RIVER RELIEF | F Relief for Waterway |

Dashboards

# Dashboards - Features



Example:

- Searching Hwy Features
- Guntersville Area
- Route Carried On-NHS

| Data     |         |
|----------|---------|
| Features |         |
| Type     | Carried |
| Highways | 2116    |
|          | Below   |
|          | 210     |

| NHSDesignation | Filter    |
|----------------|-----------|
| Y              | Match All |
| Y              | Contains  |
| N              | Y         |

Columns have quick filters

| Designated | Facility/Carried   | Feature/Intersected   | AL_ST_INSPN_RESPBY_CD | Owner | HighwayAgencyDistrict | County  | City       | Location | Designation | FeatureName      | Name      |
|------------|--------------------|-----------------------|-----------------------|-------|-----------------------|---------|------------|----------|-------------|------------------|-----------|
| 005433     | US 431             | LINE CREEK            | 01                    | 501   | 1                     | Etowah  | ATTALLA    | C        | HD1         | US 431           | H Highway |
| 013872     | US 431/AL 1/US 231 | SR 2                  | 01                    | 501   | 1                     | Madison | HUNTSVILLE | C        | HD1         | US 431/231       | H Highway |
| 017451     | US 72 AL 2         | ISAS                  | 01                    | 501   | 1                     | Madison | HUNTSVILLE | C        | HD1         | US 72 AL 2       | H Highway |
| 004098     | US 278             | BROWNS CREEK          | 01                    | 501   | 1                     | Etowah  | Unknown    | C        | HD1         | US 278           | H Highway |
| 006752     | US231/US431/ SR1   | WEST FORK FLINT RIVER | 01                    | 501   | 1                     | Madison | Unknown    | C        | HD1         | US231/US431/ SR1 | H Highway |
| 012346     | US 72 SR 2         | DRY CREEK             | 01                    | 501   | 1                     | Jackson | Unknown    | C        | HD1         | US 72 SR 2       | H Highway |
| 018550     | SR 255             | OLD MONROVIA RD       | 01                    | 501   | 1                     | Madison | HUNTSVILLE | C        | HD1         | SR 255           | H Highway |
| 013129     | US 431             | BRANCH                | 01                    | 501   | 1                     | Madison | Unknown    | C        | HD1         | AL 1 / US 431    | H Highway |

|    |   |   |   |   |   |   |   |    |               |    |
|----|---|---|---|---|---|---|---|----|---------------|----|
| << | < | 1 | 2 | 3 | 4 | 5 | > | >> | 1 - 15 of 405 | 15 |
|----|---|---|---|---|---|---|---|----|---------------|----|

Dashboards

# Dashboards – Rating Inventory



D.1.6.15 Rating Inventory Report

Area: [Dropdown] County: [Dropdown] City: [Dropdown] Maintenance Responsibility: [Dropdown] Status: [Dropdown] Feature Location: C Carried on bridge [Dropdown]

Structure Count: Filtered: 2634

Report A\_1\_6\_15 - Data

Filtered

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| STRUCTURE NUMBER     | FEATINT/FACILITY                     | AREA/DIVISION | DST | BIN    | DSH  | YEAR BUILT | RE CNST DATE | MN CON        | APR CON | NUM MN SPN | NUM APR SPN | OPN PST CLS |
|----------------------|--------------------------------------|---------------|-----|--------|------|------------|--------------|---------------|---------|------------|-------------|-------------|
| 0000495 450000010000 | WALL TRIANA HWY OVER LIMESTONE CREEK | Guntersville  | 02  | 019196 | H520 | 2005       |              | M01: C01/G01  |         | 5          | 0           | PO          |
| IC00035 360000051200 | CO RD 35 OVER BIG COON CREEK RELIEF  | Guntersville  | 03  | 001453 | H10  | 1936       |              |               |         | 0          | 0           |             |
| IC00024 490000066200 | COUNTY HWY 1324 OVER CREEK           | Guntersville  | 04  | 001866 | H10  | 1938       |              | M01: S-7/QB-T |         | 2          | 0           | C           |
| IC00037 250000029200 | CO RT 37 OVER BRANCH                 | Guntersville  | 05  | 000034 | H10  | 1909       |              | M01: S-7/QB-T |         | 1          | 0           |             |

Dashboards

# Dashboards – Structure Sounding



STRUCTURE SOUNDING REPORT

February 13, 2024  
Page 1 of 10

Report Controls

Area: [Dropdown] County: [Dropdown] City: [Dropdown] MPO: [Dropdown] Maint: [Dropdown] Insp Resp: [Dropdown] State Highway Agency: [Dropdown]

| BIN    | STRUCTURE NUMBER     | BRIDGE DETAILS | ORIG STRAMBED | STREAMBED SOUNDINGS | SCR POT EVAL | ITEM 41 POSTING          |
|--------|----------------------|----------------|---------------|---------------------|--------------|--------------------------|
| 000175 | 0AL0097 190038 73500 | B Y F          | Y             | Y                   | 09/2022      | Y A Open, no restriction |
| 000390 | 0AL0015 540115 98500 | C Y P          | Y             | Y                   | 09/2023      | N A Open, no restriction |
| 000415 | 0AL0051 030056 13400 | C Y P          | Y             | Y                   | 06/2022      | N A Open, no restriction |
| 000494 | 0AL0010 550160 11800 | C Y P          | Y             | Y                   | 09/2023      | N A Open, no restriction |
| 000465 | 0AL0010 550162 82100 | C Y P          | Y             | Y                   | 09/2023      | N A Open, no restriction |

D.1.6.2 Structure Sounding Dashboard

Filters: Maintenance [Dropdown] Insp Resp [Dropdown] Division [Dropdown] County [Dropdown] City [Dropdown] MPO [Dropdown]

Counts

|                | Count | Count                    | Present                               | Not Present |
|----------------|-------|--------------------------|---------------------------------------|-------------|
| Over Water     | 1934  | Total Bridges: 1108      | Bridge Detail: 1927                   | 2           |
| Not over water | 184   | Total Culverts: 826      | Original Streambed: 1318              | 616         |
| Total          | 2118  | Known Foundations: 1611  | Streambed Soundings: 1928             | 6           |
|                |       | Unknown Foundations: 223 | Scour Potential Eval: 80              | 1854        |
|                |       |                          | Streambed Soundings (with date): 1928 |             |

STRUCTURE SOUNDING REPORT

February 13, 2024  
Page 10 of 16

| BRIDGE               | PRESENT |       | NOT PRESENT |       |
|----------------------|---------|-------|-------------|-------|
|                      | Count   | Count | Count       | Count |
| BRIDGE DETAIL        | 220     | 0     |             |       |
| ORIG STREAMBED       | 220     | 0     |             |       |
| STREAMBED SOUNDINGS  | 220     | 0     |             |       |
| SCOUR POTENTIAL EVAL | 67      | 153   |             |       |
| CULVERT              | PRESENT |       | NOT PRESENT |       |
|                      | Count   | Count | Count       | Count |
| BRIDGE DETAIL        | 185     | 0     |             |       |
| ORIG STREAMBED       | 185     | 0     |             |       |
| STREAMBED SOUNDINGS  | 185     | 0     |             |       |
| SCOUR POTENTIAL EVAL | 0       | 185   |             |       |
| TOTAL BRIDGES        | 220     |       |             |       |
| TOTAL CULVERTS       | 185     |       |             |       |
| KNOWN FOUNDATIONS    | 392     |       |             |       |
| UNKNOWN FOUNDATIONS  | 23      |       |             |       |

Dashboards

# Dashboards - Structure Sounding

**Filters**

Maintenance  Insp Resp  Division  County  City  MPO

**Counts**

|                | Count |                     | Count |
|----------------|-------|---------------------|-------|
| Over Water     | 1933  | Total Bridges       | 1108  |
| Not over water | 184   | Total Culverts      | 825   |
| Total          | 2117  | Known Foundations   | 1611  |
|                |       | Unknown Foundations | 322   |

1108 + 825 = 1933

1611 + 322 = 1933

# Dashboards - Structure Sounding

|                                 | Present | Not Present |
|---------------------------------|---------|-------------|
| Bridge Detail                   | 1927    | 6           |
| Original Streambed              | 1292    | 641         |
| Streambed Soundings             | 1927    | 6           |
| Scour Potential Eval            | 80      | 1853        |
| Streambed Soundings (with date) | 1927    |             |

More columns will be added to the table grid

**Details**

[Export to XLS](#) [Export to KML](#)

| bridgeid | RecordCount | C\$date |
|----------|-------------|---------|
| 019199   | 20          | 03/2024 |
| 014621   | 28          | 03/2025 |
| 013452   | 22          | 07/2024 |

# Dashboards - Inspection Planning



Dashboards > D.1.6.5 Insp Planning

### D.1.6.5 Insp Planning

Insp Respby: All Area:  County:  City:

#### Inspections

|         | Next Month | Current | 1 Month | 2 Months | 3 Months | 4 Months | 5 Months | >= 6 Months |
|---------|------------|---------|---------|----------|----------|----------|----------|-------------|
| Bridges | 627        | 424     | 76      | 35       | 15       | 25       | 19       | 11          |

#### List

No Filter Selected

Dashboards

# Dashboards - Inspection Planning



Dashboards > D.1.6.5 Insp Planning

### D.1.6.5 Insp Planning

Insp Respby: All Area:

- All
- City/Municipal Agency
- County Hwy Agency
- Other
- State Hwy Agency**

|                  | 1 Month | 2 Months | 3 Months | 4 M |
|------------------|---------|----------|----------|-----|
| State Hwy Agency | 76      | 35       | 15       |     |

The Inspection Planning **Report** will still be the main method for determining which inspections are due and overdue.

**The dashboard is only meant to supplement the report**

#### List

No Filter Selected

#### Inspections

|         | Next Month | Current | 1 Month | 2 Months | 3 Months | 4 Months | 5 Months | >= 6 Months |
|---------|------------|---------|---------|----------|----------|----------|----------|-------------|
| Bridges | 219        | 156     | 23      | 2        | 1        | 5        | 1        | 8           |

#### List

No Filter Selected

Dashboards

# Dashboards - Inspection Planning

| Inspections |            |         |         |          |          |          |          |             |
|-------------|------------|---------|---------|----------|----------|----------|----------|-------------|
|             | Next Month | Current | 1 Month | 2 Months | 3 Months | 4 Months | 5 Months | >= 6 Months |
| Bridges     | 219        | 156     | 23      | 9        | 1        | 5        | 1        | 8           |

**List**

Current

Export to XLS Export to KMZ Map Reports

| BridgeID | Insp Respby | Area | County     | City       | R | NSTM | UW | SP | SC | PostingStatus |
|----------|-------------|------|------------|------------|---|------|----|----|----|---------------|
| 000187   | 01          | 1    | Jackson    | Unknown    | Y |      |    |    | Y  | PO            |
| 000188   | 01          | 1    | Jackson    | Unknown    | Y |      |    |    | Y  | PO            |
| 000407   | 01          | 2    | Morgan     | Unknown    | Y |      |    |    | Y  | PO            |
| 000419   | 01          | 1    | Jackson    | Unknown    | Y |      |    |    | Y  | PO            |
| 000420   | 01          | 1    | Jackson    | Unknown    | Y |      |    |    | Y  | PO            |
| 000928   | 01          | 6    | Elmore     | WETUMPKA   |   |      | Y  | Y  |    | PP-1          |
| 001201   | 01          | 6    | Butler     | GREENVILLE |   |      |    | Y  |    | PO            |
| 001367   | 01          | 2    | Lauderdale | Unknown    |   |      | Y  |    |    | PO            |
| 001483   | 01          | 6    | Macon      | Unknown    |   |      |    | Y  |    | PO            |

Dashboards

# Dashboards - Federally Required List

| Data                                     |               |              |                        |               |                  |                           |                           |                               |                   |                   |
|--|---------------|--------------|------------------------|---------------|------------------|---------------------------|---------------------------|-------------------------------|-------------------|-------------------|
| Totals                                   |               |              |                        | Inspections   |                  |                           | Conditions                |                               |                   |                   |
| # Structures                             | NWA Deck Area | 4L Deck Area | Uninspected Structures | NSTM Required | Special Required | Special Required (20-24K) | Special Required (25-50K) | Deck Condition = 0            | Sub Condition = 4 | Sub Condition = 4 |
| Total Active Structures                  | 2117          | 13,228,418   | 13,016,917             | 115           | 22               | 609                       | 6                         | 2                             | 17                | 33                |
| Total Active Bridges                     | 1269          | 10,454,119   | 10,452,174             |               |                  |                           |                           |                               |                   |                   |
| Total Active Culverts                    | 838           | 786,242      | 2,564,743              |               |                  |                           |                           |                               |                   |                   |
| Total Active Uninspected Structure Total | 0             |              |                        | 803           |                  |                           |                           | 2                             | 3                 | 0                 |
|  |               |              |                        |               |                  |                           |                           | Sub Condition = 3 or less     | 0                 | 0                 |
|  |               |              |                        |               |                  |                           |                           | Sub Condition = 2 or less     | 0                 | 0                 |
|  |               |              |                        |               |                  |                           |                           | Culvert Condition = 3 or less | 0                 | 0                 |

| Posted and Closed                |           | Equipment                           |       | Score                      |                               |   |                               |
|----------------------------------|-----------|-------------------------------------|-------|----------------------------|-------------------------------|---|-------------------------------|
| Posted Structures                | Equipment | Equipment                           | Score | 5.APD3 Score Vulnerability | 5.APD3 Overlapping Likelihood | 5.APD3 Score Vulnerability                            | 5.APD3 Overlapping Likelihood |
| Closed Structures                | 22        | A21 Loader                          | 1     | 5.APD3 = 3                 | 2                             | 3 - Near  | 22                            |
| Permanent Access Action (PA)     | 1         | A25 Under bridge inspection vehicle | 668   | 5.APD3 = 4                 | 1889                          | 1 - Remote (once every 10 years or less frequently)   | 333                           |
| Temporary Weight (TW)            | 0         | A24 Popping                         | 203   | 5.APD3 = 5                 | 4                             | 2 - Very low (once every 31 to 89 years)              | 0                             |
| Permanent Road (PR)              | 0         | A26 Sign                            | 62    | 5.APD3 = C                 | 0                             | 3 - Low (once every 28 to 80 years)                   | 28                            |
| Temporary Open (TO)              | 0         | A27 ATV (Other)                     | 3     | 5.APD3 = D                 | 27                            | 4 - Moderate (once every 11 to 25 years)              | 0                             |
| Subsisted Open (SO)              | 12        |                                     |       | 5.APD3 = E                 | 0                             | 5 - High (once every 5 to 15 years)                   | 13                            |
| Permanent Open (PO)              | 1300      |                                     |       | 5.APD3 = U                 | 4                             | 6 - Very High (once every 2 years or more frequently) | 2                             |
| Permanent Access Reduction (PAR) | 2         |                                     |       | -1 Obsolete Code           | 2                             | -1 Obsolete Code                                      | 882                           |

Dashboards

# Dashboards - Federally Required List



| Inspections         |     |
|---------------------|-----|
| Underwater Required | 115 |
| NSTM Required       | 22  |

Table grid columns have the same items as the report

Asset Table Grid

NSTM Required

Export to CSV | Export to Excel

| BRN T1 | AL_AIRABAMA_ID T1    | ListAge T1 | IntervalMonths T1 | Inspection Code T1 | Inspection Type T1 | Required for Bridge T1 | postingstatus T1 | PostingStatusDate T1 | SuperRating T1 | NSTMRating T1 | FelgprDetail T1 |
|--------|----------------------|------------|-------------------|--------------------|--------------------|------------------------|------------------|----------------------|----------------|---------------|-----------------|
| 000135 | 0000341 200000051200 | 11/25/2024 | 12                | WYK                | NSTM               | true                   | PP-T             | 11/25/2024           | 5              |               |                 |
| 000563 | 0000307 280000051200 | 12/17/2007 | 6                 | FRG                | NSTM               | true                   | C                | 01/01/1993           | 3              |               |                 |
| 002035 | 0AL0077 280101.970-1 | 07/07/2025 | 24                | HPUN               | NSTM               | true                   | PO               | 02/01/1999           | 5              | 7             | N               |
| 004754 | 0AL0001 280260.40000 | 05/05/2025 | 24                | REB                | NSTM               | true                   | SO               | 05/15/2024           | 5              | 6             | N               |
| 006378 | 0AL0117 360034.88700 | 08/12/2024 | 24                | IBIA               | NSTM               | true                   | PO               | 08/12/2024           | 5              |               |                 |
| 006614 | 0000039 250000075200 | 05/30/2025 | 24                | GGJR               | NSTM               | true                   | PP-T             | 08/01/2007           | 6              | 8             | N               |
| 006757 | 0000094 280000100200 | 01/29/2025 | 12                | QZSF               | NSTM               | true                   | PP-T             | 03/01/1991           | 3              |               |                 |
| 006960 | 0000015 220000030000 | 03/12/2025 | 12                | CEGW               | NSTM               | true                   | PO               | 03/13/2024           | 6              | 6             |                 |
| 007329 | 0AL0009 100263.39500 | 01/30/2024 | 24                | PDEM               | NSTM               | true                   | PO               | 05/28/2024           | 6              |               |                 |
| 007379 | 0AL0025 100236.81900 | 01/08/2024 | 24                | PKIE               | NSTM               | true                   | PO               | 01/08/2024           | 6              |               |                 |
| 011785 | 0AL0001 450097.515-1 | 04/07/2025 | 24                | VAVL               | NSTM               | true                   | PO               | 08/29/2023           | 6              | 6             | V               |
| 012210 | 0AL0077 280101.970-1 | 07/08/2025 | 24                | BQCA               | NSTM               | true                   | PO               | 06/17/2024           | 6              | 6             |                 |
| 013645 | 0AL0020 360046.301-1 | 02/06/2024 | 24                | HRLN               | NSTM               | true                   | PO               | 06/11/2024           | 6              |               |                 |
| 015407 | 0AL0001 450034.353-1 | 10/18/2023 | 24                | AMRQ               | NSTM               | true                   | PO               | 10/18/2023           | 6              |               |                 |
| 015820 | 0H00565 450018.347-1 | 04/30/2024 | 24                | ERZJ               | NSTM               | true                   | PO               | 04/30/2024           | 5              |               |                 |

Dashboards

# Dashboards - Multimedia Review



Shows how many pictures are uploaded for each context

Multimedia Review

Filters

MaintenanceResponsibility:  Inspection Responsibility: State Highway Agency Area: Birmingham County:  PlaceCode:

|  |     |        |
|--|-----|--------|
| Total Structures   | 876 |        |
| Structures with Bridge Context Pictures                            | 859 | 98.06% |
| Structures without Bridge Context Pictures                         | 17  |        |
| Structures with Inspection Context Pictures                        | 860 | 98.17% |
| Structures without Inspection Context Pictures                     | 16  |        |
| Structures with Inspection Context Pictures (Latest Inspection)    | 832 | 94.98% |
| Structures without Inspection Context Pictures (Latest Inspection) | 44  |        |

Dashboards

# Dashboards-SNBI Temporary Codes

| SNBI Temp Codes                         |       |
|---|-------|
| Scout Rating                            | 11943 |
| Overtopping Likelihood                  | 6475  |
| Scout Vulnerability                     | 5     |
| Scout Plan of Action                    | 13    |
| Substructure Navigation Protection      | 53    |
| Border Bridge Inspection Responsibility | 0     |
| Federal Lands Access                    | 0     |
| Historical Significance                 | 0     |

In Progress: rows will be added for each item that may contain temporary SNBI codes

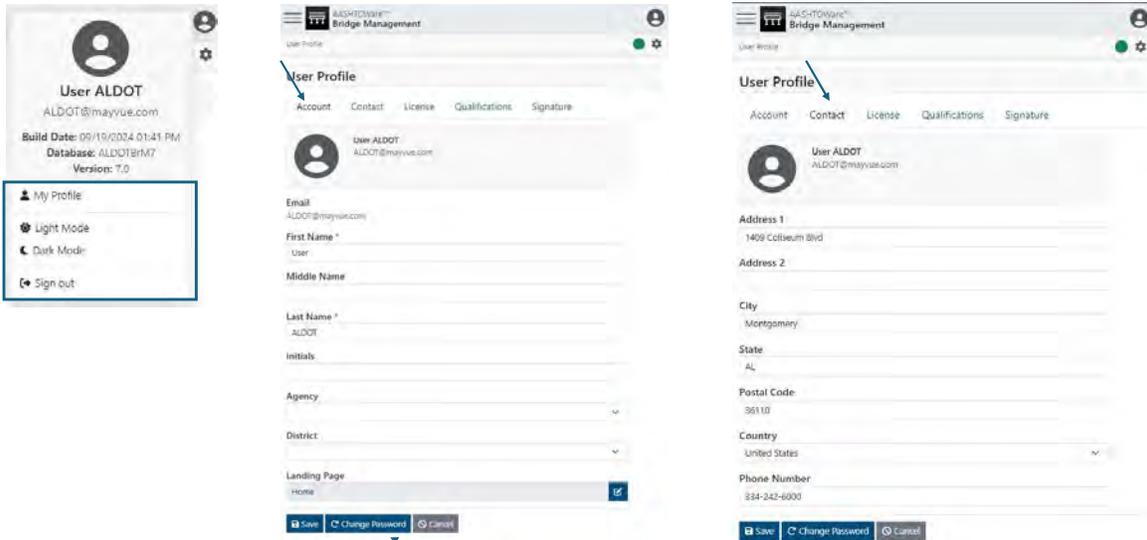
| Asset Table Grid |            |                        |  |
|------------------|------------|------------------------|--|
| Export to XLS    |            | Export to XML          |  |
| BIN              | Last Insp  | Overtopping Likelihood |  |
| 000002           | 03/31/2020 | VLM-T                  |  |
| 000037           | 02/20/2025 | VLM-T                  |  |
| 000064           | 10/17/1995 | VLM-T                  |  |

Dashboards



## User Profile

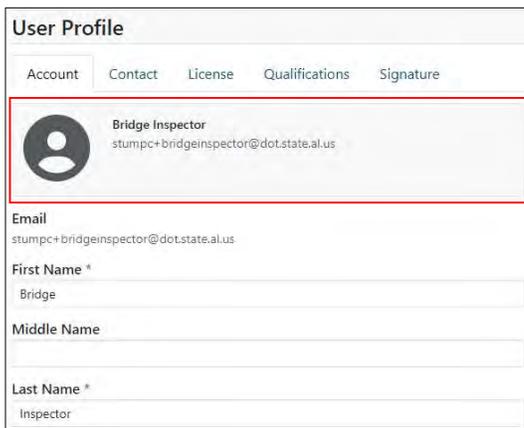
# User Profile



Change password here

User Profile

# User Profile



If your email changes or is incorrect, please contact Maintenance Bureau so we can make sure it is updated.

User Profile

# User Profile



User Profile

Account Contact License **Qualifications** Signature

Charles Stump  
stumpc@dot.state.al.us

**Certifications**  
Your training history will display in this section.

**Certifications**

Filter: All

Search: [ ] Export

| Category      | Certification                         | Date Completed | Expiration Date | Hours | Status   | Approved/Denied By | Denial Reason |
|---------------|---------------------------------------|----------------|-----------------|-------|----------|--------------------|---------------|
| SNBI Training | ALDOT SNBI Training                   | 10/10/2024     |                 | 10    | Approved | Stump, Charles     |               |
| NHI Training  | Underwater Bridge Inspection - 130091 | 4/12/2024      |                 | 24    | Approved | Stump, Charles     |               |

**Qualifications**  
Any qualifications you have are displayed in this section. Ex: CBI, NSTM

Filter: Display User Active Qualifications

Search: [ ] Export

| Name      | Active for User | Expiration | Suspended | Suspension Comment |
|-----------|-----------------|------------|-----------|--------------------|
| ALDOT CBI | True            | 12/31/2026 | False     |                    |
| NSTM      | True            | 12/31/2026 | False     |                    |

User Profile

# User Profile



AASHTOWare™  
Bridge Management

User Profile

User Profile

Account Contact License **Qualifications** Signature

Bridge Inspector  
inspectorbob@dot.state.al.us

Nationally Certified Bridge Inspector ID  
1221

License

Name

Expiration Date

Save Change Password Cancel

Same as your current CBI number

**Just because there is a number listed on your profile does NOT mean you have an active CBI.**

Check Qualifications section on the Qualifications tab to check active CBI

User Profile

## User Profile

If the Qualifications section in your user profile is blank, you **DO NOT** have an active CBI

### Qualifications

Filter

Display User Active Qualifications ▾

Search

| Name ↑↓                | Active for User ↑↓ | Expiration ↓↑ | Suspended ↑↓ | Suspension Comment ↑↓ |
|------------------------|--------------------|---------------|--------------|-----------------------|
| No records to display. |                    |               |              |                       |

<< < > >> 0 - 0 of 0 15 ▾

User Profile

## User Profile

If you have had relevant **NHI Training** that is not listed on your profile, you may send Maintenance Bureau your certificate and we will add it.

### Certifications

Filter

All ▾

Search Export

| Category ↑↓                          | Certification ↑↓  | Date Completed ↑↓ | Expiration Date ↓↑ | Hours ↑↓ | Status ↑↓ | Approved/Denied By ↑↓ |
|--------------------------------------|---|-------------------|--------------------|----------|-----------|-----------------------|
| SNBI Training                        | ALDOT SNBI Training                                     | 10/10/2024        |                    | 10       | Approved  | Stump, Charles        |
| NHI Training                         | Underwater Bridge Inspection - 130091                   | 4/12/2024         |                    | 24       | Approved  | Stump, Charles        |
| NHI Training                         | Fracture Critical (NSTM) Inspection Techniques - 130078 | 6/14/2019         |                    | 25       | Approved  | Stump, Charles        |
| NHI Training                         | Safety Inspection of In-Service Bridges - 130055        | 9/18/2017         |                    | 67       | Approved  |                       |
| BrM & Element Inspection             | BrM & Element Inspection Training                       | 7/18/2017         |                    | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/10/2024        | 9/30/2026          | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/13/2022        | 9/30/2024          | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/20/2021        | 9/30/2023          | 10       | Approved  | Stump, Charles        |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/14/2020        | 9/30/2022          | 10       | Approved  | Stump, Charles        |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/9/2019         | 9/30/2021          | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 11/14/2018        | 10/31/2020         | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/17/2018        | 9/30/2020          | 10       | Approved  |                       |
| Bridge Inspection Refresher Training | ALDOT Bridge Inspection Refresher                       | 10/25/2017        | 9/30/2019          | 10       | Approved  |                       |

<< < 1 > >> 1 - 13 of 13 15 ▾

User Profile

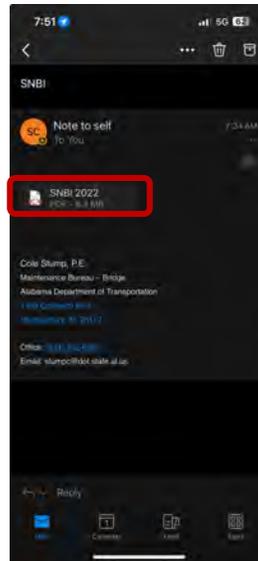
# SNBI PDF on Mobile Device



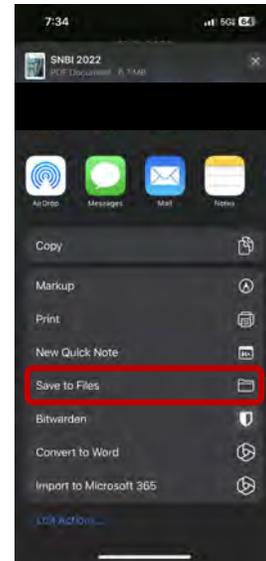
## From FHWA Website



## From email attachment



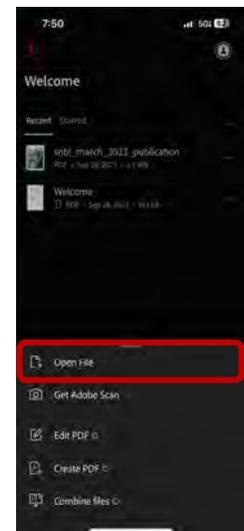
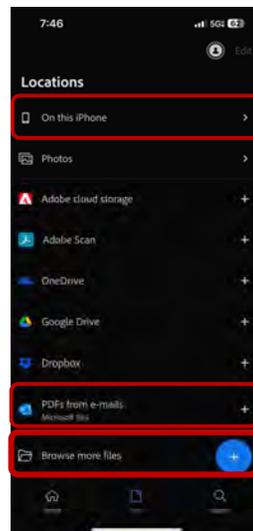
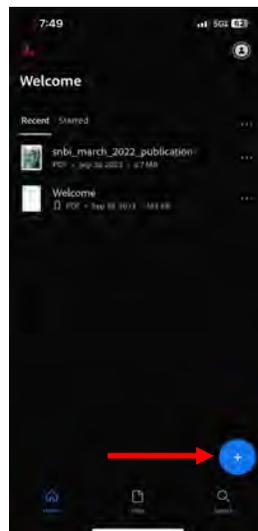
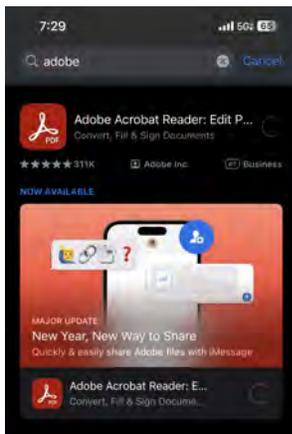
## Save to Files



# SNBI PDF on Mobile Device



## Install Adobe Acrobat Reader app from App Store



# ALDOT Bridge Inspection Refresher Training

BrM & SNBI Errors

2025



## Validating your Structures

Single  
Bridge

Multiple  
Bridges

Entire  
Inventory



# Validating – Single Bridge

ALDOT

← Back Bridges > Validate

Bridges

- Bridge List
- Inventory & Appraisal >
- Inspection >
- Load Ratings >
- Work Events
- Validate**
- Enhanced Mapping
- ALDOT Scour Info
- ALDOT State Items
- ALDOT Bridge Notes

**Validate**

Assets

Filter City - Opelika

Layout Bridge Stats **Export**

| BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|------------|--------|---------|-------------------|---------------------|---------------|--------------------------------------|-------|------------------|
| 000006 | Montgomery | Lee    | OPELIKA | PRIESTER ROAD     | RAILROAD            | 1 Inactive    | L03 City or municipal highway agency | L03   | 3 Serious        |
| 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD        | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 003400 | Montgomery | Lee    | OPELIKA | CUNNINGHAM DRIVE  | PEPPERELL CREEK     | 1 Inactive    | L03 City or municipal highway agency | L03   | 5 Fair           |
| 003643 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | SOUGAHATCHEE CREEK  | 1 Inactive    | L03 City or municipal highway agency | L03   | 4 Poor           |
| 003663 | Montgomery | Lee    | OPELIKA | N. UNIROYAL ROAD  | BRANCH              | 1 Inactive    | L03 City or municipal highway agency | L03   | 5 Fair           |
| 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK  | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 006937 | Montgomery | Lee    | OPELIKA | OAKBOWERY ROAD    | ROCKY BRANCH        | 1 Inactive    | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008232 | Montgomery | Lee    | OPELIKA | SAUGA LAKE ROAD   | ROCKY CREEK         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008246 | Montgomery | Lee    | OPELIKA | WHITE ROAD        | CREEK               | 1 Inactive    | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 0

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Validate

Assets

Filter

City - Opelika

Layout

Bridge Stats

Export

Validate

| BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|------------|--------|---------|-------------------|---------------------|---------------|--------------------------------------|-------|------------------|
| 000006 | Montgomery | Lee    | OPELIKA | PRIESTER ROAD     | RAILROAD            | 1 Inactive    | highway agency                       | L03   | 3 Serious        |
| 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD        | 3 Active      | highway agency                       | L03   | 5 Fair           |
| 003400 | Montgomery | Lee    | OPELIKA | CUNNINGHAM DRIVE  | PEPPERELL CREEK     | 1 Inactive    | highway agency                       | L03   | 5 Fair           |
| 003643 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | SOUGAHATCHEE CREEK  | 1 Inactive    | highway agency                       | L03   | 4 Poor           |
| 003663 | Montgomery | Lee    | OPELIKA | N. UNIROVAL ROAD  | BRANCH              | 1 Inactive    | highway agency                       | L03   | 5 Fair           |
| 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK  | 3 Active      | highway agency                       | L03   | N Not Applicable |
| 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK     | 3 Active      | highway agency                       | L03   | 6 Satisfactory   |
| 006937 | Montgomery | Lee    | OPELIKA | OAKBOWERY ROAD    | ROCKY BRANCH        | 1 Inactive    | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008232 | Montgomery | Lee    | OPELIKA | SAUGA, LAKE ROAD  | ROCKY CREEK         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008246 | Montgomery | Lee    | OPELIKA | WHITE ROAD        | CREEK               | 1 inactive    | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

1 items selected

- 0 Unknown
- 1 Inactive
- 2 Closed
- 3 Active
- 4 Proposed
- 5 Obsolete
- 6 Renfer

Apply

Clear

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Records Selected: 0

Validate

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Export

Validate

| BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008232 | Montgomery | Lee    | OPELIKA | SAUGA, LAKE ROAD  | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 010231 | Montgomery | Lee    | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 010761 | Montgomery | Lee    | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 011399 | Montgomery | Lee    | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012547 | Montgomery | Lee    | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012747 | Montgomery | Lee    | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012752 | Montgomery | Lee    | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

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Records Selected: 0

Validate

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| BIN ID | Area           | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|----------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| 001209 | Match All      |        | OPELIKA | ZND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 005173 | Contains       |        | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| 005985 | 17216          |        | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008232 | + Add Rule     |        | OPELIKA | SAUGA LAKE ROAD   | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008771 | Apply          |        | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Clear          |        | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 010231 |                |        | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 010761 | Montgomery Lee |        | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 011399 | Montgomery Lee |        | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012547 | Montgomery Lee |        | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012747 | Montgomery Lee |        | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012752 | Montgomery Lee |        | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 0

Validate

Assets

Filter: City - Opelika    Layout: Bridge Stats    Export    Validate

| BIN ID | Area           | County | City    | Facility Carried | Feature Intersected   | Bridge Status | Maintenance Responsibility           | Owner | Deck        | Super |
|--------|----------------|--------|---------|------------------|-----------------------|---------------|--------------------------------------|-------|-------------|-------|
| 017216 | Montgomery Lee |        | OPELIKA | ZND AVE OPELIKA  | NO. SOUTHERN RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 8 Very Good | 8 Ven |

Records Selected: 0

### Validate

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Validate

| <input checked="" type="checkbox"/> | BIN ID | Area       | County | City    | Facility Carried | Feature Intersected   | Bridge Status | Maintenance Responsibility           | Owner | Deck        | Super |
|-------------------------------------|--------|------------|--------|---------|------------------|-----------------------|---------------|--------------------------------------|-------|-------------|-------|
| <input checked="" type="checkbox"/> | 017216 | Montgomery | Lee    | OPELIKA | 2ND AVE OPELIKA  | NO. SOUTHERN RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 8 Very Good | 8 Ver |

<< < 1 > >> 1 - 1 of 1 15

Records Selected:

1

### Validate

Assets Summary Results

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Validate

| <input checked="" type="checkbox"/> | BIN ID | Area       | County | City    | Facility Carried | Feature Intersected   | Bridge Status | Maintenance Responsibility           | Owner | Deck        | Super |
|-------------------------------------|--------|------------|--------|---------|------------------|-----------------------|---------------|--------------------------------------|-------|-------------|-------|
| <input checked="" type="checkbox"/> | 017216 | Montgomery | Lee    | OPELIKA | 2ND AVE OPELIKA  | NO. SOUTHERN RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 8 Very Good | 8 Ver |

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Records Selected:

1

Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Critical Errors ↑↓ | General Errors ↑↓ |
|--------------|-------------------------------------|-------------------------|--------------------|-------------------|
| 017216       | Montgomery                          | Lee                     | 3                  | 33                |

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Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Severity ↑↓ | Name ↑↓ | Description ↑↓   |
|--------------|-------------------------------------|-------------------------|-------------|---------|--|
| 017216       | Montgomery                          | Lee                     | Error       | BG04    | 'BG04' must contain at most 5 digits, 1 of which can be in the decimal place.                            |
| 017216       | Montgomery                          | Lee                     | Error       | BH04    | 'BH04' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Error       | BS801   | At least one is required.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BAP05   | 'BAP05' must be a valid option or temp code.   |
| 017216       | Montgomery                          | Lee                     | Warning     | BC05    | 'BC05' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BC06    | 'BC06' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BC07    | 'BC07' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BC08    | 'BC08' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BC10    | 'BC10' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BC10    | BC10 Channel Protection Condition Rating should be equal to "N" for all bridge that do not have a "w ... |
| 017216       | Montgomery                          | Lee                     | Warning     | BG03    | For single span bridges - BG03 Maximum Span Length should equal BG04 Minimum Span Length                 |
| 017216       | Montgomery                          | Lee                     | Warning     | BG12    | 'BG12' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BG13    | 'BG13' must not be empty.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BG14    | 'BG14' must be a valid option or temp code.  |
| 017216       | Montgomery                          | Lee                     | Warning     | BIE07   | 'BIE07' must be a valid option or temp code.   |

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## Validating – Multiple Bridges

ALDOT

**Validate**

Assets

Filter: City - Opelika | Layout: Bridge Stats | Export | Validate

| BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008232 | Montgomery | Lee    | OPELIKA | SAUGA. LAKE ROAD  | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 010231 | Montgomery | Lee    | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 010761 | Montgomery | Lee    | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 011399 | Montgomery | Lee    | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012547 | Montgomery | Lee    | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012747 | Montgomery | Lee    | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012752 | Montgomery | Lee    | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 0

Validate

Assets

Filter: City - Opelika    Layout: Bridge Stats    Export    **Validate**

| BIN ID                              | Area   | County     | City | Facility Carried | Feature Intersected | Bridge Status        | Maintenance Responsibility | Owner                                | Deck |                  |
|-------------------------------------|--------|------------|------|------------------|---------------------|----------------------|----------------------------|--------------------------------------|------|------------------|
| <input checked="" type="checkbox"/> | 001209 | Montgomery | Lee  | OPELIKA          | 2ND AVENUE          | CSX RAILROAD         | 3 Active                   | L03 City or municipal highway agency | L03  | 5 Fair           |
| <input type="checkbox"/>            | 005173 | Montgomery | Lee  | OPELIKA          | Pepperell Parkway   | SOUGAHATCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | N Not Applicable |
| <input type="checkbox"/>            | 005985 | Montgomery | Lee  | OPELIKA          | ANDERSON RD.        | HALAWAKEE CREEK      | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 008232 | Montgomery | Lee  | OPELIKA          | SAUGA, LAKE ROAD    | ROCKY CREEK          | 3 Active                   | L03 City or municipal highway agency | L03  | 5 Fair           |
| <input type="checkbox"/>            | 008771 | Montgomery | Lee  | OPELIKA          | LEE RD 148          | LITTLE UCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input checked="" type="checkbox"/> | 009607 | Montgomery | Lee  | OPELIKA          | GRAND NAT.PARKWAY   | NS RAILROAD          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 010231 | Montgomery | Lee  | OPELIKA          | WIGDON RD           | SOUGAHATCHEE BRANCH  | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 010761 | Montgomery | Lee  | OPELIKA          | 6TH STREET          | WESTERN RAILROAD     | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 011399 | Montgomery | Lee  | OPELIKA          | INDIA RD.           | ROCKY CREEK          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 012547 | Montgomery | Lee  | OPELIKA          | PLEASANT DRIVE      | NORFOLK SOU RAILROAD | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input checked="" type="checkbox"/> | 012747 | Montgomery | Lee  | OPELIKA          | AVE "B"             | NS RAILROAD          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 012752 | Montgomery | Lee  | OPELIKA          | OAK BOWERY RD       | SOUGAHATCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |

Records Selected: 3

Validate

Assets    **Summary**    Results

Filter: City - Opelika    Layout: Bridge Stats    Export    **Validate**

| BIN ID                              | Area   | County     | City | Facility Carried | Feature Intersected | Bridge Status        | Maintenance Responsibility | Owner                                | Deck |                  |
|-------------------------------------|--------|------------|------|------------------|---------------------|----------------------|----------------------------|--------------------------------------|------|------------------|
| <input checked="" type="checkbox"/> | 001209 | Montgomery | Lee  | OPELIKA          | 2ND AVENUE          | CSX RAILROAD         | 3 Active                   | L03 City or municipal highway agency | L03  | 5 Fair           |
| <input type="checkbox"/>            | 005173 | Montgomery | Lee  | OPELIKA          | Pepperell Parkway   | SOUGAHATCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | N Not Applicable |
| <input type="checkbox"/>            | 005985 | Montgomery | Lee  | OPELIKA          | ANDERSON RD.        | HALAWAKEE CREEK      | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 008232 | Montgomery | Lee  | OPELIKA          | SAUGA, LAKE ROAD    | ROCKY CREEK          | 3 Active                   | L03 City or municipal highway agency | L03  | 5 Fair           |
| <input type="checkbox"/>            | 008771 | Montgomery | Lee  | OPELIKA          | LEE RD 148          | LITTLE UCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input checked="" type="checkbox"/> | 009607 | Montgomery | Lee  | OPELIKA          | GRAND NAT.PARKWAY   | NS RAILROAD          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 010231 | Montgomery | Lee  | OPELIKA          | WIGDON RD           | SOUGAHATCHEE BRANCH  | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 010761 | Montgomery | Lee  | OPELIKA          | 6TH STREET          | WESTERN RAILROAD     | 3 Active                   | L03 City or municipal highway agency | L03  | 6 Satisfactory   |
| <input type="checkbox"/>            | 011399 | Montgomery | Lee  | OPELIKA          | INDIA RD.           | ROCKY CREEK          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 012547 | Montgomery | Lee  | OPELIKA          | PLEASANT DRIVE      | NORFOLK SOU RAILROAD | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input checked="" type="checkbox"/> | 012747 | Montgomery | Lee  | OPELIKA          | AVE "B"             | NS RAILROAD          | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |
| <input type="checkbox"/>            | 012752 | Montgomery | Lee  | OPELIKA          | OAK BOWERY RD       | SOUGAHATCHEE CREEK   | 3 Active                   | L03 City or municipal highway agency | L03  | 7 Good           |

Records Selected: 3

Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Critical Errors ↑↓ | General Errors ↑↓ |
|--------------|-------------------------------------|-------------------------|--------------------|-------------------|
| 012747       | Montgomery                          | Lee                     | 3                  | 32                |
| 009607       | Montgomery                          | Lee                     | 3                  | 40                |
| 001209       | Montgomery                          | Lee                     | 3                  | 29                |

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Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Severity ↑↓ | Name ↑↓ | Description ↑↓   |
|--------------|-------------------------------------|-------------------------|-------------|---------|--|
| 001209       | Montgomery                          | Lee                     | Error       | BG04    | 'BG04' must contain at most 5 digits, 1 of which can be in the decimal place.                            |
| 001209       | Montgomery                          | Lee                     | Error       | BH04    | 'BH04' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Error       | BSB01   | At least one is required.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BAP05   | 'BAP05' must be a valid option or temp code.   |
| 001209       | Montgomery                          | Lee                     | Warning     | BC05    | 'BC05' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC06    | 'BC06' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC07    | 'BC07' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC08    | 'BC08' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | 'BC10' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | BC10 Channel Protection Condition Rating should be equal to 'N' for all bridge that do not have a 'w ... |
| 001209       | Montgomery                          | Lee                     | Warning     | BG03    | For single span bridges - BG03 Maximum Span Length should equal BG04 Minimum Span Length                 |
| 001209       | Montgomery                          | Lee                     | Warning     | BG12    | 'BG12' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG13    | 'BG13' must not be empty.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG14    | 'BG14' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BIE07   | 'BIE07' must be a valid option or temp code.   |

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# Validating – Entire Inventory

ALDOT

**Validate**

Assets

Filter: City - Opelika | Layout: Bridge Stats | Export | Validate

| BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--------|------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 008232 | Montgomery | Lee    | OPELIKA | SAUGA. LAKE ROAD  | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 010231 | Montgomery | Lee    | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 010761 | Montgomery | Lee    | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| 011399 | Montgomery | Lee    | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012547 | Montgomery | Lee    | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012747 | Montgomery | Lee    | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| 012752 | Montgomery | Lee    | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 0

Validate

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| <input checked="" type="checkbox"/> BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--|------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| <input checked="" type="checkbox"/> 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| <input checked="" type="checkbox"/> 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| <input checked="" type="checkbox"/> 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 008232 | Montgomery | Lee    | OPELIKA | SAUGA. LAKE ROAD  | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| <input checked="" type="checkbox"/> 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 010231 | Montgomery | Lee    | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 010761 | Montgomery | Lee    | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 011399 | Montgomery | Lee    | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012547 | Montgomery | Lee    | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012747 | Montgomery | Lee    | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012752 | Montgomery | Lee    | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 33

Validate

Assets    **Summary**    Results

Filter: City - Opelika    Layout: Bridge Stats    Export    **Validate**

| <input checked="" type="checkbox"/> BIN ID | Area       | County | City    | Facility Carried  | Feature Intersected  | Bridge Status | Maintenance Responsibility           | Owner | Deck             |
|--|------------|--------|---------|-------------------|----------------------|---------------|--------------------------------------|-------|------------------|
| <input checked="" type="checkbox"/> 001209 | Montgomery | Lee    | OPELIKA | 2ND AVENUE        | CSX RAILROAD         | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| <input checked="" type="checkbox"/> 005173 | Montgomery | Lee    | OPELIKA | Pepperell Parkway | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | N Not Applicable |
| <input checked="" type="checkbox"/> 005985 | Montgomery | Lee    | OPELIKA | ANDERSON RD.      | HALAWAKEE CREEK      | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 008232 | Montgomery | Lee    | OPELIKA | SAUGA. LAKE ROAD  | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 5 Fair           |
| <input checked="" type="checkbox"/> 008771 | Montgomery | Lee    | OPELIKA | LEE RD 148        | LITTLE UCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 009607 | Montgomery | Lee    | OPELIKA | GRAND NAT.PARKWAY | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 010231 | Montgomery | Lee    | OPELIKA | WIGDON RD         | SOUGAHATCHEE BRANCH  | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 010761 | Montgomery | Lee    | OPELIKA | 6TH STREET        | WESTERN RAILROAD     | 3 Active      | L03 City or municipal highway agency | L03   | 6 Satisfactory   |
| <input checked="" type="checkbox"/> 011399 | Montgomery | Lee    | OPELIKA | INDIA RD.         | ROCKY CREEK          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012547 | Montgomery | Lee    | OPELIKA | PLEASANT DRIVE    | NORFOLK SOU RAILROAD | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012747 | Montgomery | Lee    | OPELIKA | AVE "B"           | NS RAILROAD          | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |
| <input checked="" type="checkbox"/> 012752 | Montgomery | Lee    | OPELIKA | OAK BOWERY RD     | SOUGAHATCHEE CREEK   | 3 Active      | L03 City or municipal highway agency | L03   | 7 Good           |

Records Selected: 33

Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Critical Errors ↑↓ | General Errors ↑↓ |
|--------------|-------------------------------------|-------------------------|--------------------|-------------------|
| 011399       | Montgomery                          | Lee                     | 2                  | 30                |
| 014195       | Montgomery                          | Lee                     | 4                  | 23                |
| 021040       | Montgomery                          | Lee                     | 13                 | 44                |
| 012747       | Montgomery                          | Lee                     | 3                  | 32                |
| 009607       | Montgomery                          | Lee                     | 3                  | 40                |
| 021981       | Montgomery                          | Lee                     | 24                 | 33                |
| 020026       | Montgomery                          | Lee                     | 2                  | 30                |
| 005173       | Montgomery                          | Lee                     | 4                  | 28                |
| 001209       | Montgomery                          | Lee                     | 3                  | 29                |
| 020451       | Montgomery                          | Lee                     | 2                  | 27                |
| 020452       | Montgomery                          | Lee                     | 2                  | 27                |
| 010761       | Montgomery                          | Lee                     | 7                  | 43                |
| 008232       | Montgomery                          | Lee                     | 2                  | 38                |
| 021038       | Montgomery                          | Lee                     | 3                  | 30                |
| 012752       | Montgomery                          | Lee                     | 3                  | 31                |

<< < 1 2 3 > >> 1 - 15 of 33 15 ▾

Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Severity ↑↓ | Name ↑↓ | Description ↑↓   |
|--------------|-------------------------------------|-------------------------|-------------|---------|--|
| 001209       | Montgomery                          | Lee                     | Error       | BG04    | 'BG04' must contain at most 5 digits, 1 of which can be in the decimal place.                            |
| 001209       | Montgomery                          | Lee                     | Error       | BH04    | 'BH04' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Error       | BSB01   | At least one is required.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BAP05   | 'BAP05' must be a valid option or temp code.   |
| 001209       | Montgomery                          | Lee                     | Warning     | BC05    | 'BC05' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC06    | 'BC06' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC07    | 'BC07' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC08    | 'BC08' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | 'BC10' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | BC10 Channel Protection Condition Rating should be equal to "N" for all bridge that do not have a "w ... |
| 001209       | Montgomery                          | Lee                     | Warning     | BG03    | For single span bridges - BG03 Maximum Span Length should equal BG04 Minimum Span Length                 |
| 001209       | Montgomery                          | Lee                     | Warning     | BG12    | 'BG12' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG13    | 'BG13' must not be empty.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG14    | 'BG14' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BIE07   | 'BIE07' must be a valid option or temp code.   |

<< < 1 2 3 4 5 > >> 1 - 15 of 1248 15 ▾

## Validate

Assets Summary Results

Export

| Bridge ID ↑↓ | Highway Agency District (B.L.04) ↑↓ | County Code (B.L.02) ↑↓ | Severity ↑↓ | Name ↑↓ | Description ↑↓   |
|--------------|-------------------------------------|-------------------------|-------------|---------|--|
| 001209       | Montgomery                          | Lee                     | Error       | BG04    | 'BG04' must contain at most 5 digits, 1 of which can be in the decimal place.                            |
| 001209       | Montgomery                          | Lee                     | Error       | BH04    | 'BH04' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Error       | BSB01   | At least one is required.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BAP05   | 'BAP05' must be a valid option or temp code.   |
| 001209       | Montgomery                          | Lee                     | Warning     | BC05    | 'BC05' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC06    | 'BC06' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC07    | 'BC07' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC08    | 'BC08' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | 'BC10' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BC10    | BC10 Channel Protection Condition Rating should be equal to "N" for all bridge that do not have a "w ... |
| 001209       | Montgomery                          | Lee                     | Warning     | BG03    | For single span bridges - BG03 Maximum Span Length should equal BG04 Minimum Span Length                 |
| 001209       | Montgomery                          | Lee                     | Warning     | BG12    | 'BG12' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG13    | 'BG13' must not be empty.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BG14    | 'BG14' must be a valid option or temp code.  |
| 001209       | Montgomery                          | Lee                     | Warning     | BIE07   | 'BIE07' must be a valid option or temp code.   |

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## Items that need Updating

- Who does it?
- Inspector vs. Central Office
- Where is the Item located?
- SNBI Section & BrM Location

| Item                                  | Name                                    | Reviewer       |
|---------------------------------------|---|----------------|
| <b>Subsection 1.1: Identification</b> |   |                |
| B.ID.01                               | Bridge Number                           | Central Office |
| B.ID.02                               | Bridge Name                             | Central Office |
| B.ID.03                               | Previous Bridge Number                  | Central Office |
| <b>Subsection 1.2: Location</b>       |   |                |
| B.L.01                                | State Code                              | Central Office |
| B.L.02                                | County Code                             | Central Office |
| B.L.03                                | Place Code                              | Central Office |
| B.L.04                                | Highway Agency District                 | Central Office |
| B.L.05                                | Latitude                                | Central Office |
| B.L.06                                | Longitude                               | Central Office |
| B.L.07                                | Border Bridge Number                    | Central Office |
| B.L.08                                | Border Bridge State or County Code      | Central Office |
| B.L.09                                | Border Bridge Inspection Responsibility | Central Office |
| B.L.10                                | Border Bridge Designated Lead State     | Central Office |
| B.L.11                                | Bridge Location                         | Inspector      |
| B.L.12                                | Metropolitan Planning Organization      | Central Office |
| <b>Subsection 1.3: Classification</b> |   |                |
| B.CL.01                               | Owner                                   | Central Office |
| B.CL.02                               | Maintenance Responsibility              | Central Office |
| B.CL.03                               | Federal or Tribal Land Access           | Central Office |
| B.CL.04                               | Historic Significance                   | Inspector      |
| B.CL.05                               | Toll                                    | Inspector      |
| B.CL.06                               | Emergency Evacuation Designation        | Inspector      |

AASHTOWare™ Bridge Management

Back

Bridges > Inventory & Appraisal > Identification

Inventory & Appraisal

Bridge ID \*

008597

Identification

Design

Features

Identification

Details

Bridge Number (B.ID.01) \*

008597

| Item  | Name                                   | Reviewer  |
|---|--|-----------|
| <b>Subsection 2.1: Span Material and Type</b>           |  |           |
| B.SP.01   | Span Configuration Designation         | Inspector |
| B.SP.02   | Number of Spans                        | Inspector |
| B.SP.03   | Number of Beam Lines                   | Inspector |
| B.SP.04   | Span Material                          | Inspector |
| B.SP.05   | Span Continuity                        | Inspector |
| B.SP.06   | Span Type                              | Inspector |
| B.SP.07   | Span Protective System                 | Inspector |
| B.SP.08   | Deck Interaction                       | Inspector |
| B.SP.09   | Deck Material & Type                   | Inspector |
| B.SP.10   | Wearing Surface                        | Inspector |
| B.SP.11   | Deck Protective System                 | Inspector |
| B.SP.12   | Deck Reinforcing Protective System     | Inspector |
| B.SP.13   | Deck Stay-In-Place Forms               | Inspector |
| <b>Subsection 2.2: Substructure Material &amp; Type</b> |  |           |
| B.SB.01   | Substructure Configuration Designation | Inspector |
| B.SB.02   | Number of Substructure Units           | Inspector |
| B.SB.03   | Substructure Material                  | Inspector |
| B.SB.04   | Substructure Type                      | Inspector |
| B.SB.05   | Substructure Protective System         | Inspector |
| B.SB.06   | Foundation Type                        | Inspector |
| B.SB.07   | Foundation Protective System           | Inspector |

AASHTOWare™ Bridge Management

Back

Bridges > Inventory & Appraisal > Design

Inventory & Appraisal

Bridge ID \*

008597

Identification

Design

Features

Design

Superstructure Sets

Design

Bridge ID \* 008542 Bridge Name 008542 Bridge Nickname CO 97/AIRPORT RD. OVER I-20

Bridge Facility Carried CO 97/AIRPORT RD. Bridge Feature Intersected I-20

Superstructure Sets

Export Add New

| Order # | Span Configuration Designation (B.SP.01) | Name                         | Number of Spans (B.SP.02) | Span Material (B.SP.04) | Span Continuity (B.SP.05) | Span Type (B.SP.06) | Deck Material and Type |
|---------|--|------------------------------|---------------------------|-------------------------|---------------------------|---------------------|------------------------|
| 3       | M01                                      | Superstructure Set 3 - 12812 | 4                         |                         |                           |                     |                        |

Substructure Sets

Add New

| Order #                | Substructure Configuration Designation (B.SB.01) | Name | Number of Substructure Units (B.SB.02) | Substructure Material (B.SB.03) | Substructure Type (B.SB.04) | Foundation Type (B.SB.06) |
|------------------------|--|------|--|---------------------------------|-----------------------------|---------------------------|
| No records to display. |  |      |  |                                 |                             |                           |

Subsection 2.1: Span Material & Type & Subsection and 2.2: Substructure Material & Type

Design

Bridge ID \* 008542 Bridge Name 008542 Bridge Nickname CO 97/AIRPORT RD. OVER I-20

Bridge Facility Carried CO 97/AIRPORT RD. Bridge Feature Intersected I-20

Superstructure Sets

Export Add New

| Order # | Span Configuration Designation (B.SP.01) | Name                         | Number of Spans (B.SP.02) | Span Material (B.SP.04) | Span Continuity (B.SP.05) | Span Type (B.SP.06) | Deck Material and Type |
|---------|--|------------------------------|---------------------------|-------------------------|---------------------------|---------------------|------------------------|
| 3       | M01                                      | Superstructure Set 3 - 12812 | 4                         |                         |                           |                     |                        |

Substructure Sets

Add New

| Order #                | Substructure Configuration Designation (B.SB.01) | Name | Number of Substructure Units (B.SB.02) | Substructure Material (B.SB.03) | Substructure Type (B.SB.04) | Foundation Type (B.SB.06) |
|------------------------|--|------|--|---------------------------------|-----------------------------|---------------------------|
| No records to display. |  |      |  |                                 |                             |                           |

The screenshot displays a software interface for bridge design. A central dropdown menu is highlighted with a red border, listing various configuration options. The background shows a 'Design' section with fields for 'Bridge ID' (000542) and 'Bridge Facility Carried' (CO 97/AIRPORT RD.). Other sections include 'Superstructure Sets', 'Substructure Sets', and 'Structure Units'. The dropdown menu contains the following items:

- Description Code \*
- M Main
- Span Configuration Designation (B.SP01)
- M01
- Number of Spans (B.SP02) \*
- 4
- Number of Beam Lines (B.SP03) \*
- 0
- Span Material (B.SP04) \*
- [CR-T] FIX PARAM VALUES
- Span Continuity (B.SP05) \*
- [C-T] FIX PARAM VALUES
- Span Type (B.SP06) \*
- [GT-T] FIX PARAM VALUES
- Span Protective System (B.SP07) \*
- Deck Interaction (B.SP08)
- Deck Material and Type (B.SP09) \*
- [CR-T] FIX PARAM VALUES
- Wearing Surface (B.SP10)
- 0 None
- Deck Protective System (B.SP11)
- 0 None
- Deck Reinforcing Protective System (B.SP12)
- 0 None
- Deck Stay-in-Place Forms (B.SP13)



## Subsection 2.1: Span Material & Type

- Bridge vs Culvert
- Coding an Item vs Leaving an Item “Blank”

Typical Concrete Deck Bridge Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.01 | Span Configuration Designation     | M01       |
| B.SP.02 | Number of Spans                    | 2         |
| B.SP.03 | Number of Beam Lines               | 5         |
| B.SP.04 | Span Material                      | S01       |
| B.SP.05 | Span Continuity                    | 1         |
| B.SP.06 | Span Type                          | G02       |
| B.SP.07 | Span Protective System             | C01       |
| B.SP.08 | Deck Interaction                   | NC        |
| B.SP.09 | Deck Material & Type               | C01       |
| B.SP.10 | Wearing Surface                    | B01       |
| B.SP.11 | Deck Protective System             | 0         |
| B.SP.12 | Deck Reinforcing Protective System | 0         |
| B.SP.13 | Deck Stay-in-Place Forms           | 0         |

Typical Timber Deck Bridge Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.01 | Span Configuration Designation     | M01       |
| B.SP.02 | Number of Spans                    | 5         |
| B.SP.03 | Number of Beam Lines               | 8         |
| B.SP.04 | Span Material                      | T03       |
| B.SP.05 | Span Continuity                    | 1         |
| B.SP.06 | Span Type                          | GX        |
| B.SP.07 | Span Protective System             | T01       |
| B.SP.08 | Deck Interaction                   | NC        |
| B.SP.09 | Deck Material & Type               | T03       |
| B.SP.10 | Wearing Surface                    | T01       |
| B.SP.11 | Deck Protective System             | T01       |
| B.SP.12 | Deck Reinforcing Protective System |           |
| B.SP.13 | Deck Stay-in-Place Forms           | 0         |

Typical Timber Deck Bridge Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.12 | Deck Reinforcing Protective System |           |

- ❖ Report this item only if Item B.SP.09 (Deck Material & Type) is concrete (i.e. codes C01 to CX).

SNBI Examples

Typical Concrete Culvert Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.01 | Span Configuration Designation     | C01       |
| B.SP.02 | Number of Spans                    | 3         |
| B.SP.03 | Number of Beam Lines               | 1         |
| B.SP.04 | Span Material                      | C01       |
| B.SP.05 | Span Continuity                    | 7         |
| B.SP.06 | Span Type                          | F02       |
| B.SP.07 | Span Protective System             | 0         |
| B.SP.08 | Deck Interaction                   |           |
| B.SP.09 | Deck Material & Type               | 0         |
| B.SP.10 | Wearing Surface                    |           |
| B.SP.11 | Deck Protective System             |           |
| B.SP.12 | Deck Reinforcing Protective System |           |
| B.SP.13 | Deck Stay-in-Place Forms           |           |

Typical Concrete Culvert Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.08 | Deck Interaction                   |           |
| B.SP.09 | Deck Material & Type               | 0         |
| B.SP.10 | Wearing Surface                    |           |
| B.SP.11 | Deck Protective System             |           |
| B.SP.12 | Deck Reinforcing Protective System |           |
| B.SP.13 | Deck Stay-in-Place Forms           |           |

❖ Do Not report Items B.SP.08, B.SP.10, B.SP.11, B.SP.12, & B.SP.13 when Item B.SP.09 (Deck Material and Type) is 0.

Typical Pipe Culvert Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.01 | Span Configuration Designation     | C01       |
| B.SP.02 | Number of Spans                    | 4         |
| B.SP.03 | Number of Beam Lines               | 0         |
| B.SP.04 | Span Material                      | S03       |
| B.SP.05 | Span Continuity                    | 7         |
| B.SP.06 | Span Type                          | P02       |
| B.SP.07 | Span Protective System             | 0         |
| B.SP.08 | Deck Interaction                   |           |
| B.SP.09 | Deck Material & Type               | 0         |
| B.SP.10 | Wearing Surface                    |           |
| B.SP.11 | Deck Protective System             |           |
| B.SP.12 | Deck Reinforcing Protective System |           |
| B.SP.13 | Deck Stay-in-Place Forms           |           |

## Typical Pipe Culvert Example – Subsection 2.1 Span Material & Type



| Item    | Data Item                          | Value (1) |
|---------|------------------------------------|-----------|
| B.SP.08 | Deck Interaction                   |           |
| B.SP.09 | Deck Material & Type               | 0         |
| B.SP.10 | Wearing Surface                    |           |
| B.SP.11 | Deck Protective System             |           |
| B.SP.12 | Deck Reinforcing Protective System |           |
| B.SP.13 | Deck Stay-in-Place Forms           |           |

❖ Do Not report Items B.SP.08, B.SP.10, B.SP.11, B.SP.12, & B.SP.13 when Item B.SP.09 (Deck Material and Type) is 0.

ALDOT

---

**Design**

Bridge ID \* 008542      Bridge Name 008542      Bridge Nickname CO 97/AIRPORT RD. OVER I-20

Bridge Facility Carried CO 97/AIRPORT RD.      Bridge Feature Intersected I-20

**Superstructure Sets**

Export      Add New

| Order # | Span Configuration Designation (B.SP.01) | Name                         | Number of Spans (B.SP.02) | Span Material (B.SP.04) | Span Continuity (B.SP.05) | Span Type (B.SP.06) | Deck Material and Type |
|---------|--|------------------------------|---------------------------|-------------------------|---------------------------|---------------------|------------------------|
| 3       | M01                                      | Superstructure Set 3 - 12812 | 4                         |                         |                           |                     |                        |

**Substructure Sets**

Add New

| Order #                | Substructure Configuration Designation (B.SB.01) | Name | Number of Substructure Units (B.SB.02) | Substructure Material (B.SB.03) | Substructure Type (B.SB.04) | Foundation Type (B.SB.06) |
|------------------------|--|------|--|---------------------------------|-----------------------------|---------------------------|
| No records to display. |  |      |  |                                 |                             |                           |

Bridge ID \*  
008542

Feature Intersected  
I-20

Facility Carried  
CO 97/AIRPORT RD.

Design

Superstructure Sets

Export

Order # 3: M01

Substructure Sets

Order # 3: Substructure Configuration Designation (B.SB.01)

No records to display.

Structure Units

Export

Order # 3: Name Unit Number

Save Cancel

Structure Set Name Substructure Set Name

**Create Substructure Set**

Name \*

Description Code \*

Number of Substructure Units (B.SB.02) \*

Substructure Material (B.SB.03) \*

Substructure Type (B.SB.04) \*

Substructure Protective System (B.SB.05)

Foundation Type (B.SB.06) \*

Foundation Protective System (B.SB.07) \*



## Subsection 2.2: Substructure Material & Type

- Bridge vs Culvert
- Coding an Item vs Leaving an Item “Blank”

Typical Bridge Example – Subsection 2.2 Substructure Material & Type



| Item    | Data Item                    | Value (1) | Value (2) |
|---------|------------------------------|-----------|-----------|
| B.SB.01 | Substructure Configuration   | A01       | P01       |
| B.SB.02 | # of Substructure Units      | 2         | 1         |
| B.SB.03 | Substructure Material        | C01       | S04       |
| B.SB.04 | Substructure Type            | A02       | B03       |
| B.SB.05 | Sub. Protective System       | 0         | C01       |
| B.SB.06 | Foundation Type              | P01       | P01       |
| B.SB.07 | Foundation Protective System | E01       | C01       |

Typical Concrete Culvert Example – Subsection 2.2 Substructure Material & Type



| Item    | Data Item                    | Value (1) | Value (2) |
|---------|------------------------------|-----------|-----------|
| B.SB.01 | Substructure Configuration   | A01       | P01       |
| B.SB.02 | # of Substructure Units      | 2         | 2         |
| B.SB.03 | Substructure Material        | C01       | C01       |
| B.SB.04 | Substructure Type            | A04       | P01       |
| B.SB.05 | Sub. Protective System       | 0         | 0         |
| B.SB.06 | Foundation Type              | F01       | F01       |
| B.SB.07 | Foundation Protective System | 0         | 0         |

## Typical Pipe Culvert Example – Subsection 2.2 Substructure Material & Type

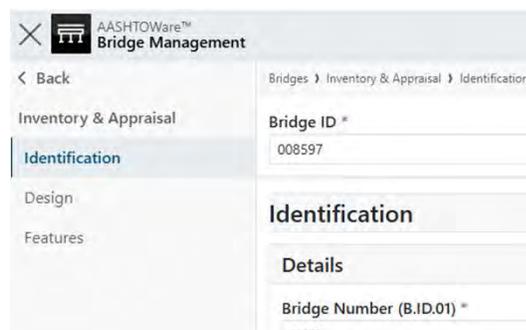


| Item    | Data Item                    | Value (1) |
|---------|------------------------------|-----------|
| B.SB.01 | Substructure Configuration   |           |
| B.SB.02 | # of Substructure Units      |           |
| B.SB.03 | Substructure Material        |           |
| B.SB.04 | Substructure Type            |           |
| B.SB.05 | Sub. Protective System       |           |
| B.SB.06 | Foundation Type              |           |
| B.SB.07 | Foundation Protective System |           |

❖ Do Not report this item when B.SP.06 (Span Type) is a pipe (i.e. code P01 or P02).

| Item                                     | Name            | Reviewer  |
|--|-----------------|-----------|
| <b>Subsection 2.3: Roadside Hardware</b> |                 |           |
| B.RH.01                                  | Bridge Railings | Inspector |
| B.RH.02                                  | Transitions     | Inspector |

| Item                       | Name                      | Reviewer   |
|----------------------------|---------------------------|------------|
| <b>Section 3: Geometry</b> |                           |            |
| B.G.01                     | NBIS Bridge Length        | Inspector  |
| B.G.02                     | Total Bridge Length       | Inspector  |
| B.G.03                     | Max Span Length           | Inspector  |
| B.G.04                     | Min Span Length           | Inspector  |
| B.G.05                     | Bridge Width Out-to-Out   | Inspector  |
| B.G.06                     | Bridge Width Curb-to-Curb | Inspector  |
| B.G.07                     | Left Curb or Sidewalk     | Inspector  |
| B.G.08                     | Right Curb or Sidewalk    | Inspector  |
| B.G.09                     | Approach Roadway Width    | Inspector  |
| B.G.10                     | Bridge Median             | Inspector  |
| B.G.11                     | Skew                      | Inspector  |
| B.G.12                     | Curved Bridge             | Inspector  |
| B.G.13                     | Max Bridge Height         | Inspector  |
| B.G.14                     | Sidehill Bridge           | Inspector  |
| B.G.15                     | Irregular Deck Area       | Inspector  |
| B.G.16                     | Calculated Deck Area      | Calculated |



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Features

### Geometry

|                                      |      |                                       |               |
|--------------------------------------|------|---------------------------------------|---------------|
| NBIS Bridge Length (B.G.01)          | 102  | Total Bridge Length (B.G.02)          | 102           |
| Maximum Span Length (B.G.03)         | 34   | Minimum Span Length (B.G.04)          |               |
| Bridge Width Out-to-Out (B.G.05)     | 43.3 | Bridge Width Curb-to-Curb (B.G.06)    | 39.4          |
| Left Curb or Sidewalk Width (B.G.07) | 0.7  | Right Curb or Sidewalk Width (B.G.08) | 0.7           |
| Approach Roadway Width (B.G.09)      | 40   | Bridge Median (B.G.10)                | 1 Open median |
| Skew (B.G.11)                        | 0    | Curved Bridge (B.G.12)                |               |
| Maximum Bridge Height (B.G.13)       |      | Sidehill Bridge (B.G.14)              |               |
| Irregular Deck Area (B.G.15)         |      | Calculated Deck Area (B.G.16)         | 4416.6        |

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### Geometry

|                                      |      |                                       |             |
|--------------------------------------|------|---------------------------------------|-------------|
| NBIS Bridge Length (B.G.01)          | 23   | Total Bridge Length (B.G.02)          | 23          |
| Maximum Span Length (B.G.03)         | 9.8  | Minimum Span Length (B.G.04)          |             |
| Bridge Width Out-to-Out (B.G.05)     |      | Bridge Width Curb-to-Curb (B.G.06)    | 0           |
| Left Curb or Sidewalk Width (B.G.07) | 0    | Right Curb or Sidewalk Width (B.G.08) | 0           |
| Approach Roadway Width (B.G.09)      | 31.5 | Bridge Median (B.G.10)                | 0 No median |
| Skew (B.G.11)                        | 0    | Curved Bridge (B.G.12)                |             |
| Maximum Bridge Height (B.G.13)       |      | Sidehill Bridge (B.G.14)              |             |
| Irregular Deck Area (B.G.15)         |      | Calculated Deck Area (B.G.16)         |             |

| Item  | Name             | Reviewer       |
|---|------------------|----------------|
| <b>Subsection 4.1: Feature Identification</b> |                  |                |
| B.F.01  | Feature Type     | Central Office |
| B.F.02  | Feature Location | Central Office |
| B.F.03  | Feature Name     | Central Office |

✕
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Bridge Management**

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### Features

**Bridge**  
005388

|   | Order # | Feat  |
|---|---------|-------|
| ↕ | 1       | US 4: |
| ↕ | 2       | BRAN  |

| Item                          | Name              | Reviewer       |
|-------------------------------|-------------------|----------------|
| <b>Subsection 4.2: Routes</b> |                   |                |
| B.RT.01                       | Route Designation | Central Office |
| B.RT.02                       | Route Number      | Central Office |
| B.RT.03                       | Route Direction   | *Inspector     |
| B.RT.04                       | Route Type        | Central Office |
| B.RT.05                       | Service Type      | Central Office |

\*Moving forward this will be part of the BI-1.

**Features**

Bridge  
005388

Add New

|   | Order # | Feature Name (B.F.03) | Feature Type (B.F.01) | Feature Location (B.F.02) | Report to FHWA |   |
|---|---------|-----------------------|-----------------------|---------------------------|----------------|---|
| ↕ | 1       | US 431                | H01                   | C Carried on bridge       | True           | <span style="border: 2px solid red; padding: 2px;">✎</span> |
| ↕ | 2       | BRANCH                | W01                   | B Below bridge            | True           | ✎ ✖   |

Inventory & Appraisal > Bridges > Inventory & Appraisal > Features

Inventory & Appraisal

Identification

Design

Features

**Feature Details**

Feature Name (B.F.03) \*

S.R.10

Feature Type (B.F.01) \*

H Highway

Feature Location (B.F.02) \*

C Carried on bridge

Report to FHWA

**Route Information**

| Designation (B.RT.01) ↑ | Route Number (B.RT.02) ↑ | Route Direction (B.RT.03) ↑↓ | Route Type (B.RT.04) ↑ | Service Type (B.RT.05) ↑ |
|-------------------------|--------------------------|------------------------------|------------------------|--------------------------|
| R01                     | 10                       |                              | 3 State route          | 1 Mainline               |

« < 1 > » 1 - 1 of 1 15

[Add New](#)

| Item                            | Name                               | Reviewer       |
|---------------------------------|------------------------------------|----------------|
| <b>Subsection 4.3: Highways</b> |                                    |                |
| B.H.01                          | Functional Classification          | Inspector      |
| B.H.02                          | Urban Code                         | Inspector      |
| B.H.03                          | NHS Designation                    | Central Office |
| B.H.04                          | National Highway Freight Network   | Central Office |
| B.H.05                          | STRAHNET Designation               | Central Office |
| B.H.06                          | LRS Route ID                       | Central Office |
| B.H.07                          | LRS Mile Point                     | Central Office |
| B.H.08                          | Lanes on Highway                   | Inspector      |
| B.H.09                          | Annual Average Daily Traffic       | Inspector      |
| B.H.10                          | Annual Average Daily Truck Traffic | Inspector      |
| B.H.11                          | Year of AADT                       | Inspector      |
| B.H.12                          | Highway Max Usable Vert Clearance  | Inspector      |
| B.H.13                          | Highway Min Vert Clearance         | Inspector      |
| B.H.14                          | Highway Min Horiz Clearance, Left  | Inspector      |
| B.H.15                          | Highway Min Horiz Clearance, Right | Inspector      |
| B.H.16                          | Highway Max Usable Surface Width   | Inspector      |
| B.H.17                          | Bypass Detour Length               | Inspector      |

**Features**

Bridge  
005388

| Order ↑ | Feature Name (B.F.03) | Feature Type (B.F.01) | Feature Location (B.F.02) | Report to FHWA |
|---------|-----------------------|-----------------------|---------------------------|----------------|
| 1       | US 431                | H01                   | C Carried on bridge       | True           |
| 2       | BRANCH                | W01                   | B Below bridge            | True           |

[Add New](#)

ASHTOWare™ Bridge Management

Inventory & Appraisal

Bridge ID: 005388      Feature Intersected: BRANCH      Facility Carried: US 431

Feature Location (B.F.02): C Carried on bridge      Feature Name (B.F.03): US 431

**Highway Information**

LRS Route ID (B.H.06): AL0001000      LRS Data as of Date: mm/dd/yyyy

LRS Mile Point (B.H.07): 277.6      Lanes on Highway (B.H.08): 4

Functional Classification (B.H.01): 3 Principal Arterial - Other      Urban Code (B.H.02): 99999

NHS Designation (B.H.03): Y NHS      National Highway Freight Network (B.H.04): [N] FIX PARAM VALUES

STRAHNET Designation (B.H.05): N Not a STRAHNET route

**AADT**

AADT (B.H.09): 16458      Future AADT: 23041

ADTT (B.H.10): 1701      Future ADTT:

Year of AADT (B.H.11): 2023      Future Year: 2043

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### B.H.17 – Bypass Detour Length

| <b>Bypass Detour Length</b>  |   |
|--|---|
| <u>Format</u><br>N (3,0)   | <u>Frequency</u><br>I   |
| <u>Specification</u>   | <u>Item ID</u><br>B.H.17  |
| <p>Report the length to the nearest mile of the total additional travel for a vehicle to bypass the bridge for the highway feature reported in Item B.F.01 (<i>Feature Type</i>), that passes below or is carried on the bridge.</p> <p>Report 999 where a detour does not exist.</p> <p>Report 0 for available ground level bypass.</p> <p>Report 1 when the highway feature is carried by a bridge, is not at an interchange, and a parallel bridge can be used as a temporary bypass with a reasonable amount of crossover grading.</p> | <p>Determine bypass detour length by evaluating the potential to move traffic, including military vehicles and trucks, around bridges.</p> <ul style="list-style-type: none"> <li>Avoid detour routes that have load, height, or capacity limitations unacceptable for the additional traffic detoured onto them.</li> <li>Consider using the parallel bridge of dual bridges or temporary culverts if emergency detours can be constructed with a reasonable amount of grading within the existing right-of-way.</li> <li>Consider using ramps and/or frontage roads in interchanges.</li> <li>Review plans for strategic bridge detour routes.</li> </ul> |



- Parallel Bridges = 1
  - Not 0

### B.H.17 – Bypass Detour Length

| Examples  |
|---|
| Diamond interchange. Bridge can be bypassed. Report 0.                                      |
| Cloverleaf. Bridge cannot be bypassed; 18-mile detour. Report 18.                           |
| Highway feature carried on the bridge with a 4-mile detour ( <i>Figure 102</i> ). Report 4. |

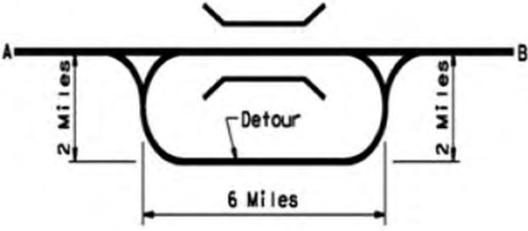
  


Figure 102. Detour map for a highway feature carried on the bridge.

### B.H.17 – Bypass Detour Length

| Examples Continued – Bypass Detour Length   |
|---|
| Highway feature passes below the bridge with a 0-mile detour ( <i>Figure 103</i> ). Report 0. |

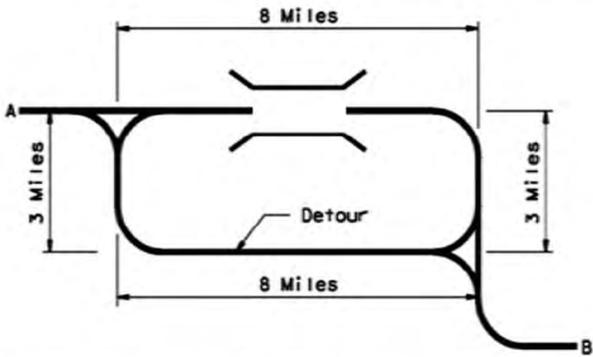
  


Figure 103. Detour map for a highway feature that passes below the bridge.

| Item                             | Name                        | Reviewer  |
|----------------------------------|-----------------------------|-----------|
| <b>Subsection 4.4: Railroads</b> |                             |           |
| B.RR.01                          | Railroad Service Type       | Inspector |
| B.RR.02                          | Railroad Min Vert Clearance | Inspector |
| B.RR.03                          | Railroad Min Horiz Offset   | Inspector |

Features

Bridge  
000012

Add New

| Order # | Feature Name (B.F.03) | Feature Type (B.F.01) | Feature Location (B.F.02) | Report to FHWA |   |
|---------|-----------------------|-----------------------|---------------------------|----------------|---|
| ↓       | 1 JC91                | H01                   | C Carried on bridge       | True           |   |
| ↓       | 2 SOUTHERNLNRAILROAD  | R01                   | B Below bridge            | True           |   |



Bridges > Inventory & Appraisal > Features



Bridge ID  
000012

Feature Intersected  
SOUTHERNLNRAILROAD

Facility Carried  
JC91

Feature Location (B.F.02) Feature Name (B.F.03)  
B Below bridge SOUTHERNLNRAILROAD

Edit Feature

Feature Details

Feature Name (B.F.03) \*  
SOUTHERNLNRAILROAD

Feature Type (B.F.01) \*  
R Railroad

Feature Location (B.F.02) \*  
B Below bridge

Report to FHWA

Railroad Details

Railroad Bridge Agency Bridge ID  
000012

Railroad Service Type (B.RR.01) \*  
[!] FIX PARAM VALUES

Railroad Minimum Vertical Clearance (B.RR.02) \*  
22.2

Railroad Minimum Horizontal Offset (B.RR.03) \*  
10.4

Save Save & Close Cancel Delete Railroad

## B.RR.01 – Railroad Service Type

### Link to Federal Rail Administration Website

<https://railroads.dot.gov/rail-network-development/maps-and-data/maps-geographic-information-system/maps-geographic>

| Item                                       | Name                                   | Reviewer       |
|--|--|----------------|
| <b>Subsection 4.5: Navigable Waterways</b> |  |                |
| B.N.01                                     | Navigable Waterways                    | Central Office |
| B.N.02                                     | Navigation Min Vert Clearance          | Inspector      |
| B.N.03                                     | Movable Bridge Max Nav Vert Clearance  | Inspector      |
| B.N.04                                     | Navigation Channel Width               | Inspector      |
| B.N.05                                     | Navigation Channel Min Horiz Clearance | Inspector      |
| B.N.06                                     | Substructure Navigation Protection     | Inspector      |

#### Features

Bridge  
005388

Add New

| Order # | Feature Name (B.F.03) | Feature Type (B.F.01) | Feature Location (B.F.02) | Report to FHWA |   |
|---------|-----------------------|-----------------------|---------------------------|----------------|---|
| ↓       | 1 US 431              | H01                   | C Carried on bridge       | True           |   |
| ↓       | 2 BRANCH              | W01                   | B Below bridge            | True           |   |

| Item                                       | Name                                   | Reviewer       |
|--|--|----------------|
| <b>Subsection 4.5: Navigable Waterways</b> |  |                |
| B.N.01                                     | Navigable Waterways                    | Central Office |
| B.N.02                                     | Navigation Min Vert Clearance          | Inspector      |
| B.N.03                                     | Movable Bridge Max Nav Vert Clearance  | Inspector      |
| B.N.04                                     | Navigation Channel Width               | Inspector      |
| B.N.05                                     | Navigation Channel Min Horiz Clearance | Inspector      |
| B.N.06                                     | Substructure Navigation Protection     | Inspector      |

| Navigable Waterway   |  |                   |
|--|--|-------------------|
| Format<br>AN (1)   | Frequency                                    | Item ID<br>B.N.01 |
| Specification  | Commentary                                   |                   |
| Report whether the waterway feature reported in Item B.F.01 ( <i>Feature Type</i> ) is considered navigable waters of the United States using one of the following codes.  |  |                   |
| <u>Code</u>  | <u>Description</u>                           |                   |
| N  | Not navigable waters                         |                   |
| Y  | Navigable waters                             |                   |
| U  | Navigable waters designation is undetermined |                   |
| <p>This item identifies bridges over navigable waters where the United States Coast Guard may exercise jurisdiction, as defined in 33 CFR, Part 2. This information helps identify bridges at risk from vessel collision and bridges where a Coast Guard permit may be required for modifications to the structure.</p> <p>Information helpful in coding this item may be found in design and construction documentation or prior correspondence with the Coast Guard.</p> <p>Navigable waterways are determined by the Commandant of the United States Coast Guard per Title 33 of the Code of Federal Regulations, Section 2.36.</p> |  |                   |

- B.N.02 – Report this item only when Item B.N.01 (Navigable Waterway) is Y.
- B.N.03 – Report this item only when Item B.N.01 (Navigable Waterway) is Y and Item B.SP.06 (Span Type) begins with M, indicating that the span type is movable.
- B.N.04 – Report this item only when Item B.N.01 (Navigable Waterway) is Y.
- B.N.05 – Report this item only when Item B.N.01 (Navigable Waterway) is Y.
- B.N.06 – Report this item only when Item B.N.01 (Navigable Waterway) is Y.

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Bridges > Inventory & Appraisal > Features
⚙

---

Inventory & Appraisal

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**Features**

**Bridge ID**  
005388

**Feature Intersected**  
BRANCH

**Facility Carried**  
US 431

**Feature Location (B.F.02)**   **Feature Name (B.F.03)**  
B Below bridge   BRANCH

---

**Edit Feature**

**Feature Details**

**Feature Name (B.F.03) \***  
BRANCH

**Feature Type (B.F.01) \***  
W Waterway

**Feature Location (B.F.02) \***  
B Below bridge

Report to FHWA

---

**Waterway Details**

**Navigable Waterway (B.N.01) \***   **Navigation Minimum Vertical Clearance (B.N.02)**  
N Not navigable waters

**Movable Bridge Max Navigation Vertical Clearance (B.N.03)**   **Navigation Channel Width (B.N.04)**

**Navigation Channel Minimum Horizontal Clearance (B.N.05)**   **Substructure Navigation Protection (B.N.06)**

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## B.N.01 – Navigable Waterway

### Link to Navigable Waterways

<https://geodata.bts.gov/datasets/usdot::navigable-waterway-network-lines/explore?location=32.553491%2C-85.025564%2C5.94>

| Item   | Name                                 | Reviewer       |
|--|--------------------------------------|----------------|
| <b>Subsection 5.1: Loads &amp; Load Rating</b>     |                                      |                |
| B.LR.01  | Design Load                          | Central Office |
| B.LR.02  | Design Method                        | Central Office |
| B.LR.03  | Load Rating Date                     | Central Office |
| B.LR.04  | Load Rating Method                   | Central Office |
| B.LR.05  | Inventory Load Rating Factor         | Central Office |
| B.LR.06  | Operating Load Rating Factor         | Central Office |
| B.LR.07  | Controlling Legal Load Rating factor | Central Office |
| B.LR.08  | Routine Permit Loads                 | Central Office |
| <b>Subsection 5.2: Load Posting Status</b>         |                                      |                |
| B.PS.01  | Load Posting Status                  | Inspector      |
| B.PS.02  | Posting Status Change Date           | Inspector      |
| <b>Subsection 5.3: Load Evaluation and Posting</b> |                                      |                |
| B.EP.01  | Legal Load Configuration             | Central Office |
| B.EP.02  | Legal Load Rating Factor             | Central Office |
| B.EP.03  | Posting Type                         | Inspector      |
| B.EP.04  | Posting Value                        | Inspector      |

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Bridge Management

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Load Ratings

Load Ratings

**Load Posting Status**

ALDOT Load Rating & Posting Status

### Load Posting Status

Bridge

006201

Q Search Export

Posting Status Change Date (B.PS.02) ↓

12/1/2014 Open/Post

12/1/2014 Open

<< < 1 > >> 1 - 1 of 1 15 ▾

| Item                                       | Name                       | Reviewer  |
|--|----------------------------|-----------|
| <b>Subsection 5.2: Load Posting Status</b> |                            |           |
| B.PS.01                                    | Load Posting Status        | Inspector |
| B.PS.02                                    | Posting Status Change Date | Inspector |

[Back](#) | Bridges > Load Ratings > Load Posting Status

**Load Posting Status**
[Add New](#)

Bridge: 005388

[Export](#)

| Posting Status Change Date (B.PS.02) JF | Open/Posted/Closed ↑↓ | Permanent/Temp/Supported ↑↓ | Load Posting Status (B.PS.01) ↑↓ |
|---|-----------------------|-----------------------------|----------------------------------|
| 6/13/2023                               | Open                  | Permanent                   | PO                               |

<< < 1 > >> 1 - 1 of 1 | 15

[Back](#) | Bridges > Load Ratings > Load Posting Status

Bridge ID: 005388 | Load Posting Status Date (B.PS.02): 9/18/2025

Facility Carried: US 431

**Add Bridge Load Posting Status**

**Load Posting Status & Values**

Posting Status Change Date (B.PS.02) \*

Open/Posted/Closed \*

Permanent/Temp/Supported \*

Load Posting Status (B.PS.01)

← Back      Bridges > Load Ratings > Load Posting Status

Load Ratings

Load Ratings

Load Posting Status

ALDOT Load Rating & Posting Status

Bridge: 006201

Search [Export] [Add New]

| Posting Status Change Date (B.PS.02) ↓↑ | Open/Posted/Closed ↑↓ | Permanent/Temp/Supported ↑↓ | Load Posting Status (B.PS.01) ↑↓ |
|---|-----------------------|-----------------------------|----------------------------------|
| 12/1/2014                               | Open                  | Permanent                   | PO                               |

« < 1 > » 1 - 1 of 1 | 15

- Once you've created a New Posting Status & Updated B.SP.01 & B.SP.02 you can click the edit button to update B.EP.03 & B.EP.04

Bridges > Load Ratings > Load Posting Status

Bridge ID: 006201      Load Posting Status Date (B.PS.02): 12/1/2014      Feature Intersected: TOMBIGBEE RIVER

Facility Carried: US 84

**Edit Bridge Load Posting Status**

Load Posting Status & Values

Posting Status Change Date (B.PS.02) \*  
12/01/2014

Open/Posted/Closed \*  
Open

Permanent/Temp/Supported \*  
Permanent

Load Posting Status (B.PS.01)  
PO

Load Posting Status & Signs

Text of Load Posting Signs

[Add New]

| Sign Type ↑↓           | Posting Type (B.EP.03) ↑↓ | Posting Value (B.EP.04) ↑↓ |
|------------------------|---------------------------|----------------------------|
| No records to display. |                           |                            |

« < > » 0 - 0 of 0 | 15

Bridge ID: 006201      Load Posting Status Date (B.PS.02): 12/1/2014      Feature intersected: TOMBRIGBEE RIVER

Facility Carried: US 84

### Edit Bridge Load Posting Status

**Load Posting Status & Values**

Posting Status Change Date (B.PS.02) \*  
12/01/2014

Open/Posted/Closed \*  
Open

Permanent/Temp/Supported \*  
Permanent

Load Posting Status (B.PS.01)  
001

**Load Posting Status & Signs**

Text of Load Posting Signs

Sign Type [v]      Posting Type (B.EP03) [v]      Posting Value (B.EP04) [v]

No records to display.

**Create Load Posting Status Sign**

Sign Type \*

Posting Type (B.EP03)

Posting Value (B.EP04) \*

| Vehicle (B.EP01) [v]   | Rating Factor (B.EP02) [v] | Tons [v] |
|------------------------|----------------------------|----------|
| No records to display. |                            |          |

Save Cancel

| Item   | Name                                  | Reviewer       |
|--|---------------------------------------|----------------|
| <b>Subsection 6.1: Inspection Requirements</b> |                                       |                |
| B.IR.01  | NSTM Inspection Required              | Inspector      |
| B.IR.02  | Fatigue Details                       | Inspector      |
| B.IR.03  | Underwater Inspection Required        | Inspector      |
| B.IR.04  | Complex Features                      | Inspector      |
| <b>Subsection 6.2: Inspection Events</b>       |                                       |                |
| B.IE.01  | Inspection Type                       | Inspector      |
| B.IE.02  | Inspection Begin Date                 | Inspector      |
| B.IE.03  | Inspection Completion Date            | Inspector      |
| B.IE.04  | Nationally Certified Bridge Inspector | Inspector      |
| B.IE.05  | Inspection Interval                   | Central Office |
| B.IE.06  | Inspection Due Date                   | Calculated     |
| B.IE.07  | Risk-Based Insp Interval Method       | Central Office |
| B.IE.08  | Inspection Quality Control Date       | Inspector      |
| B.IE.09  | Inspection Quality Assurance Date     | Central Office |
| B.IE.10  | Inspection Data Update Date           | Inspector      |
| B.IE.11  | Inspection Note                       | Inspector      |
| B.IE.12  | Inspection Equipment                  | Inspector      |

**AASHTOWare™ Bridge Management**

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Bridge ID \*  
005388

Facility Carried  
US 431

### Schedule

**Summary**

Inspection Begin Date (B.IE.02) [v]

Entered By [v]

Inspection Data Update Date [v]

**Inspection Needs**

NSTM Inspection Required  
N NSTM inspection not requir

Subsection 6.1: Inspection Requirements & Subsection and 6.2: Inspection Events



← Back Bridges > Inspection > Schedule

Inspection

My Assignments

My Pending Inspection Reviews

Inspection List

Inspection Plan

Condition

Sketches

Cross Sections

Scour Plan of Action

Assessments

Work Candidates

Critical Findings

**Schedule**

Equipment

Procedures

**Summary**

Inspection Begin Date (B.IE.02) \* 05/02/2025

Inspection Completion Date (B.IE.03) mm/dd/yyyy

Date Entered 5/02/2025

Entered By [Redacted]

QC Date (B.IE.08) mm/dd/yyyy

QA Date (B.IE.09) mm/dd/yyyy

Inspection Data Update Date (B.IE.10) mm/dd/yyyy

Bridge Group [0] FIX PARAM VALUES

Admin Area [03] FIX PARAM VALUES

**Inspection Needs**

NSTM Inspection Required (B.IR.01) N NSTM inspection not required

Fatigue Details (B.IR.02)

Complex Features (B.IR.04)

Underwater Inspection Required (B.IR.03)

Schedule



| Item   | Name                                    | Reviewer   |
|--|---|------------|
| <b>Subsection 7.1: Component Condition Ratings</b> |   |            |
| B.C.01   | Deck Condition Rating                   | Inspector  |
| B.C.02   | Super Condition Rating                  | Inspector  |
| B.C.03   | Sub Condition Rating                    | Inspector  |
| B.C.04   | Culvert Condition Rating                | Inspector  |
| B.C.05   | Bridge Railings Condition Rating        | Inspector  |
| B.C.06   | Bridge Railing Transition Cond Rating   | Inspector  |
| B.C.07   | Bridge Bearings Condition Rating        | Inspector  |
| B.C.08   | Bridge Joints Condition Rating          | Inspector  |
| B.C.09   | Channel Condition Rating                | Inspector  |
| B.C.10   | Channel Protection Condition Rating     | Inspector  |
| B.C.11   | Scour Condition Rating                  | Inspector  |
| B.C.12   | Bridge Condition Classification         | Calculated |
| B.C.13   | Lowest Condition Rating Code            | Calculated |
| B.C.14   | NSTM Condition Rating                   | Inspector  |
| B.C.15   | Underwater Condition Rating             | Inspector  |
| <b>Subsection 7.2: Element ID</b>                  |   |            |
| B.E.01   | Element Number                          | Inspector  |
| B.E.02   | Element Parent Number                   | Inspector  |
| B.E.03   | Element Total Quantity                  | Inspector  |
| <b>Subsection 7.3: Element Conditions</b>          |   |            |
| B.CS.01  | Element Quantity Conditions State One   | Inspector  |
| B.CS.02  | Element Quantity Conditions State Two   | Inspector  |
| B.CS.03  | Element Quantity Conditions State Three | Inspector  |
| B.CS.04  | Element Quantity Conditions State Four  | Inspector  |

× AASHTOWare™ Bridge Management

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**Condition**

Condition Ratings

Bridge ID \* 005388

Facility Carried US 431

# Inspectors are forgetting to enter the new SNBI Items.

Inspection List

Inspection Plan

**Condition**

Sketches

Cross Sections

Scour Plan of Action

Assessments

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**Condition**

**Condition Ratings**

|   |                         |  |                  |
|---|-------------------------|--|------------------|
| Deck Condition Rating (B.C.01)            | 6 Satisfactory          | Superstructure Condition Rating (B.C.02)             | 6 Satisfactory   |
| Substructure Condition Rating (B.C.03)    | 6 Satisfactory          | Culvert Condition Rating (B.C.04)                    | N Not Applicable |
| Bridge Condition Classification (B.C.12)  | F Fair                  | Lowest Condition Rating Code (B.C.13)                | 6                |
| Bridge Railing Condition Rating (B.C.05)  |                         | Bridge Railing Transitions Condition Rating (B.C.06) |                  |
| Bridge Bearings Condition Rating (B.C.07) |                         | Bridge Joints Condition Rating (B.C.08)              |                  |
| Channel Condition Rating (B.C.09)         | 8 Very Good             | Channel Protection Condition Rating (B.C.10)         |                  |
| Scour Condition Rating (B.C.11)           | IMI-T) FIX PARAM VALUES | NSTM Inspection Condition (B.C.14)                   |                  |
| Underwater Inspection Condition (B.C.15)  |                         |  |                  |

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**Condition Ratings**

|   |                             |  |                  |
|---|-----------------------------|--|------------------|
| Deck Condition Rating (B.C.01)            | 6 Satisfactory              | Superstructure Condition Rating (B.C.02)             | 7 Good           |
| Substructure Condition Rating (B.C.03)    | 7 Good                      | Culvert Condition Rating (B.C.04)                    | N Not Applicable |
| Bridge Condition Classification (B.C.12)  | F Fair                      | Lowest Condition Rating Code (B.C.13)                | 6                |
| Bridge Railing Condition Rating (B.C.05)  | N Not Applicable            | Bridge Railing Transitions Condition Rating (B.C.06) | N Not Applicable |
| Bridge Bearings Condition Rating (B.C.07) |                             | Bridge Joints Condition Rating (B.C.08)              |                  |
| Channel Condition Rating (B.C.09)         | N Not Applicable            | Channel Protection Condition Rating (B.C.10)         |                  |
| Scour Condition Rating (B.C.11)           | N Does not cross over water | NSTM Inspection Condition (B.C.14)                   |                  |
| Underwater Inspection Condition (B.C.15)  |                             |  |                  |

Condition Ratings

|  |  |
|--|--|
| Deck Condition Rating (B.C.01)<br>N Not Applicable         | Superstructure Condition Rating (B.C.02)<br>N Not Applicable |
| Substructure Condition Rating (B.C.03)<br>N Not Applicable | Culvert Condition Rating (B.C.04)<br>5 Fair                  |
| Bridge Condition Classification (B.C.12)<br>F Fair         | Lowest Condition Rating Code (B.C.13)<br>5                   |
| Bridge Railing Condition Rating (B.C.05)                   | Bridge Railing Transitions Condition Rating (B.C.06)         |
| Bridge Bearings Condition Rating (B.C.07)                  | Bridge Joints Condition Rating (B.C.08)                      |
| Channel Condition Rating (B.C.09)<br>5 Fair                | Channel Protection Condition Rating (B.C.10)                 |
| Scour Condition Rating (B.C.11)<br>[MI-T] FIX PARAM VALUES | NSTM Inspection Condition (B.C.14)                           |
| Underwater Inspection Condition (B.C.15)                   |  |

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| Item                               | Name                       | Reviewer       |
|------------------------------------|----------------------------|----------------|
| <b>Subsection 7.4: Appraisal</b>   |                            |                |
| B.AP.01                            | Approach Roadway Alignment | Inspector      |
| B.AP.02                            | Overtopping Likelihood     | Inspector      |
| B.AP.03                            | Scour Vulnerability        | Central Office |
| B.AP.04                            | Scour Plan of Action       | Central Office |
| B.AP.05                            | Seismic Vulnerability      | Central Office |
| <b>Subsection 7.5: Work Events</b> |                            |                |
| B.W.01                             | Year Built                 | Inspector      |

AASHTOWare™ Bridge Management

Back Bridges > Inventory & Appraisal > Identification

Inventory & Appraisal

Identification

Design

Features

Bridge ID \*  
008597

Identification

Details

Bridge Number (B.ID.01) \*  
0007

| Item                               | Name                | Reviewer  |
|------------------------------------|---------------------|-----------|
| <b>Subsection 7.5: Work Events</b> |                     |           |
| B.W.02                             | Year Work Performed | Inspector |
| B.W.03                             | Work Performed      | Inspector |

The screenshot shows the 'Work Events' section of the ALDOT application. The interface includes a sidebar with navigation options like 'Bridges', 'Inventory & Appraisal', and 'Work Events'. The main content area displays 'Work Events for Bridge' with a search bar and a table. The table has columns for 'Year Work Performed (B.W.02)', 'Work Performed (B.W.03)', and 'Description'. The 'Add New' button is highlighted with a red box.

The screenshot shows the 'Create Work Event' modal form. The form is titled 'Create Work Event' and contains the following fields: 'Year Work Performed (B.W.02) \*', 'Type of Work \*', and 'Description'. At the bottom of the form, there are three buttons: 'Save', 'Save & Reset', and 'Cancel'. The background of the application is dimmed.



- Currently seeing multiple errors across the board.
- Due to some Items Not being coded correctly, it is causing more errors to pop-up with other Items believed to be wrong.
- Please update your Items before Validating.

## Questions?

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BrM & SNBI Errors



# CONTACTS

| Maintenance Bureau - Bridges |                |                           |
|------------------------------|----------------|---------------------------|
| Name                         | Phone Number   | Email Address             |
| <b>Daniel Jones</b>          | (334)-242-6281 | jonesdan@dot.state.al.us  |
| Ben Yates                    | (334)-242-6484 | yatesb@dot.state.al.us    |
| Cole Stump                   | (334)-242-6284 | stumpc@dot.state.al.us    |
| Jarrett Chesnutt             | (334)-242-6294 | chesnuttj@dot.state.al.us |

| Local Transportation |                |                          |
|----------------------|----------------|--------------------------|
| Name                 | Phone Number   | Email Address            |
| <b>James Boyer</b>   | (334)-242-6619 | boyerj@dot.state.al.us   |
| John David Palmer    | (334)-242-6601 | palmerjd@dot.state.al.us |

| Bridge Rating and Load Testing |                |                          |
|--------------------------------|----------------|--------------------------|
| Name                           | Phone Number   | Email Address            |
| <b>Mike Wall</b>               | (334)-242-6500 | wallm@dot.state.al.us    |
| Kevin James                    | (334)-242-6740 | jamesk@dot.state.al.us   |
| Robert Fulton                  | (334)-242-6752 | fultonr@dot.state.al.us  |
| Tiffany Morgan                 | (334)-242-6904 | morgantm@dot.state.al.us |
| Jonathan Boulter               | (334)-242-6595 | boulterj@dot.state.al.us |

| Bridge Scour             |                |                          |
|--------------------------|----------------|--------------------------|
| Name                     | Phone Number   | Email Address            |
| <b>Johnathan Roberts</b> | (334)-242-6624 | robertsj@dot.state.al.us |
| Aspen Golden             | (334)-242-6283 | goldenam@dot.state.al.us |
| Donna Furr               | (334)-242-6646 | furrd@dot.state.al.us    |
| Aaron Kirkus             | (334)-242-6583 | kirkusae@dot.state.al.us |

| SNBI EMAIL        |                      |
|-------------------|----------------------|
| <b>Questions?</b> | snbi@dot.state.al.us |

**Alabama Department of Transportation – Maintenance Bureau**  
**2025 Annual Bridge Inspection Refresher Course**  
**2nd Edition**