## TO REMAIN AT TOP OF FILE

## PLAN OF ACTION FOR STATE OWNED SCOUR CRITICAL BRIDGES

(Item  $113 \leq 3$ )

| 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 E | 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          |                |                |               |
| MAINTEANCE 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 Inspection Checklist (Revised 09/2020)

| Inspection Date:  | Select Yes or No for the following questions:  |                                     |                                  |
|---|--|-------------------------------------|----------------------------------|
|   | 1) Soundings have been taken and recorded?   | Yes                                 | No                               |
| Water surface elevation at  | 2) Structure has misalignment and/or settlement of deck, curbline, and rails?  | Yes                                 | No                               |
| time of inspection:   | 3) Structure has excessive vibration or movement?  | Yes                                 | No                               |
| -   | 4) Structure has debris accumulation?  | Yes                                 | No                               |
| Highest observed water  | 5) Structure was closed due to high flow event?  | Yes                                 | No                               |
| surface elevation:  | Describe any issues:   |                                     |                                  |
|   | ,  |                                     |                                  |
| Inspected By:   |  |                                     |                                  |
|   |  |                                     |                                  |
|   | Additional comments:   |                                     |                                  |
|   |  |                                     |                                  |
|   |  |                                     |                                  |
| Inspection Date:  | Select Yes or No for the following questions:  |                                     |                                  |
| •   | 1) Soundings have been taken and recorded?   | Yes                                 | No                               |
| Water surface elevation at  | 2) Structure has misalignment and/or settlement of deck, curbline, and rails?  | Yes                                 | No                               |
| time of inspection:   | 3) Structure has excessive vibration or movement?  | Yes                                 | No                               |
| •   | 4) Structure has debris accumulation?  | Yes                                 | No                               |
| Highest observed water  | 5) Structure was closed due to high flow event?  | Yes                                 | No                               |
| surface elevation:  | Describe any issues:   |                                     |                                  |
|   | ,  |                                     |                                  |
| Inspected By:   |  |                                     |                                  |
|   |  |                                     |                                  |
|   | Additional comments:   |                                     |                                  |
|   |  |                                     |                                  |
|   |  |                                     |                                  |
|   |  |                                     |                                  |
| Inspection Date:  | Select Yes or No for the following questions:  |                                     |                                  |
| Inspection Date:  | Select Yes or No for the following questions:  1) Soundings have been taken and recorded?  | Yes                                 | No                               |
| Inspection Date:  Water surface elevation at  |  | Yes<br>Yes                          | No<br>No                         |
|   | 1) Soundings have been taken and recorded?   |                                     | _                                |
| Water surface elevation at  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails?   | Yes                                 | No                               |
| Water surface elevation at  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement?   | Yes<br>Yes                          | No<br>No                         |
| Water surface elevation at time of inspection:  | <ol> <li>Soundings have been taken and recorded?</li> <li>Structure has misalignment and/or settlement of deck, curbline, and rails?</li> <li>Structure has excessive vibration or movement?</li> <li>Structure has debris accumulation?</li> <li>Structure was closed due to high flow event?</li> </ol>  | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation?   | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water  | <ol> <li>Soundings have been taken and recorded?</li> <li>Structure has misalignment and/or settlement of deck, curbline, and rails?</li> <li>Structure has excessive vibration or movement?</li> <li>Structure has debris accumulation?</li> <li>Structure was closed due to high flow event?</li> </ol>  | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:   | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:   | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:   | <ol> <li>Soundings have been taken and recorded?</li> <li>Structure has misalignment and/or settlement of deck, curbline, and rails?</li> <li>Structure has excessive vibration or movement?</li> <li>Structure has debris accumulation?</li> <li>Structure was closed due to high flow event?</li> </ol>  | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:   | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:   | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:   | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:   | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions:  | Yes<br>Yes<br>Yes                   | No<br>No<br>No                   |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded?   | Yes<br>Yes<br>Yes<br>Yes            | No<br>No<br>No<br>No             |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  Inspection Date:  Water surface elevation at  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails?   | Yes<br>Yes<br>Yes<br>Yes            | No<br>No<br>No<br>No             |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement?   | Yes Yes Yes Yes Yes Yes Yes         | No<br>No<br>No<br>No             |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  Unspection Date:  Water surface elevation at time of inspection:  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation?   | Yes Yes Yes Yes Yes Yes Yes Yes Yes | No<br>No<br>No<br>No<br>No<br>No |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  Unspection Date:  Water surface elevation at time of inspection:  Highest observed water                    | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?                       | Yes Yes Yes Yes Yes Yes Yes         | No<br>No<br>No<br>No             |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  Unspection Date:  Water surface elevation at time of inspection:  | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation?   | Yes Yes Yes Yes Yes Yes Yes Yes Yes | No<br>No<br>No<br>No<br>No<br>No |
| Water surface elevation at time of inspection:  Highest observed water surface elevation:  Inspected By:  Unspection Date:  Water surface elevation at time of inspection:  Highest observed water surface elevation: | 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?  Describe any issues:  Additional comments:  Select Yes or No for the following questions: 1) Soundings have been taken and recorded? 2) Structure has misalignment and/or settlement of deck, curbline, and rails? 3) Structure has excessive vibration or movement? 4) Structure has debris accumulation? 5) Structure was closed due to high flow event?                       | Yes Yes Yes Yes Yes Yes Yes Yes Yes | No<br>No<br>No<br>No<br>No<br>No |
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