

Bridge Scour Plan of Action (POA) Check Sheet

FHWA has recommended that local agency POAs be reviewed for completeness and sufficient content to ensure adequate implementation in the event of flooding. This check sheet will provide guidance on the recommended content of POAs when performing QA/QC reviews.

Scour Codes B, D, G, R, or U

Key items to be addressed:

General Information

- Location Information
- Approval Signature
- Scour Critical Elevation table

Recommended Action

- When to inspect, specify water surface elevation, flow rate (discharge) or precipitation event.
- How often to monitor (frequency), hourly to daily
- How to monitor, method used to make measurements. Confirm the agency has any equipment required to monitor according to their plan.
- What to look for, typically scour critical elevation.
- What to do if scour critical elevation is found. Typically either an action such as close the bridge or designating the person that will make any decisions as to what action to take.

Bridge Closure Plan – HIGH IMPORTANCE

- Notification list and phone numbers, must be kept up to date. Can refer to a separate contact list sheet to make it easier to keep POAs up to date.
- Detour Plan: can be a list, map, or standard procedures. Closure plans will be commensurate with the importance of the roadway (ADT, routes available), and standard agency practice for roadway closures.

Secondary items to be addressed (optional):

- History
- Monitoring Traffic Control Plan

Scour Code K

K bridges that are single span and low ADT are recommended, but not required to have a scour critical elevation table. In lieu of the table, critical observations may be used to monitor. See template for details.

Key items to be addressed:

General Information

- Location Information
- Approval Signature
- Scour Critical Elevation table, or critical observations for single span/low ADT/gravel roads (see template for additional information).

Recommended Action

- When to inspect, specify water surface elevation, flow rate (discharge) or precipitation event.
- How often to monitor (frequency), hourly to daily
- How to monitor, method used to make measurements. Confirm the agency has any equipment required to monitor according to their plan.
- What to look for, typically scour critical elevation.
- What to do if scour critical elevation or critical observations are found. Typically either an action such as close the bridge or designating the person that will make any decisions as to what action to take.

Bridge Closure Plan – HIGH IMPORTANCE

- Notification list and phone numbers; must be kept up to date. Can refer to a separate contact list sheet to make it easier to keep POAs up to date.

- Detour Plan: can be a list, map, or standard procedures. Closure plans will be commensurate with the importance of the roadway (ADT, routes available), and standard agency practice for roadway closures.

Secondary items to be addressed (optional):

- History
- Monitoring Traffic Control Plan

Scour Codes O or P

Key items to be addressed:

General Information

- Location Information
- Approval Signature

Recommended Action

- When to Inspect, typically after a major flood event and during routine inspections.
- What to look for, typically missing or damaged riprap, lateral migration or other site concerns.
- What to do if a problem is found.

Secondary items to be addressed (optional):

- History
- Reason POA is required
- Scour Critical Elevation table

Cross Sections – HIGH IMPORTANCE

Cross sections are required for bridges coded: R, D, U; and/or if the NBIS #61 = 3 or lower (corresponds to smart flag 2 or 3), or if required in the POA (see templates for more information). Cross sections are recommended for all bridges but not required.

- Are cross sections being taken for the following bridges (required): R, D, U; and/or if the NBIS #61 = 3 or lower?
- Are cross-sections being taken at a reasonable frequency? Make sure they are available in the bridge file.
- Are cross-sections being compared over time?

Implementation – HIGH IMPORTANCE

- Where there flood events in your county?
- During flood events was the POA followed? Was the “when to monitor” trigger reached, if yes was monitoring done?
- Are you implementing your POA?

Review Comments: