Regional Categorical Permission Alteration Description – 5. Bridges

The Regional Categorical Permission covers alterations that include modification, new construction, and replacement of pedestrian, bicycle, equestrian, railroad, or vehicular bridges and actions that are similar in nature. This alteration also includes bridge widening and pier nose extensions. Construction, modification, and rehabilitation may occur on the approach to the bridge, adjacent to, or within, lined channels. The total area of ground disturbance must not exceed 15 acres.

Bridge design, construction, and operation must not compromise the structural integrity of the levee or conveyance of the adjacent river channel. Drainage from the bridge must be directed away from the levee and channel bank. Adequate bank protection must be placed upstream, downstream, and under the bridge.

Areas in and around the construction site must be kept clear to prevent erosion or a reduction in channel capacity.

The requester must prepare a scour analysis if the alteration proposes bridge structures in the channel as well as a slope stability analysis for USACE review and approval of any proposed modification(s) to the levee. Excavation of the levee crown that causes depression(s) is prohibited.

Piers and pile bents must be parallel to channel flow.

No pile driving is allowed in the levee, but piles may be auger cast or cast-in-drilled-hole to the bottom of the impervious layer.

Analysis of debris loading is required for piers and piles. Bents and piers may be equipped with debris deflectors.

Survey control points installed along the levee crown prior to construction may be necessary. They would be used for monitoring levee elevation and cross section. The requester must repair any changes to the levee crown elevation or cross section.

Necessary bridge maintenance includes, but is not limited to, debris removal and inspections. Maintenance activities cannot impede access to the flood risk management project. Damage to a bridge that threatens channel capacity must be repaired or removed prior to the next flood season.

If a bridge replacement is planned, the existing structure must be completely removed and disposed of outside the floodway and levee easement. When an existing bridge is to be widened, the new bridge piers and bents should be installed in line with existing piers and bents.

Regional Categorical Permission Alteration Checklist – 5. Bridges

Note: The following checklist is intended for planning purposes only and includes information that USACE reviewers look for when considering a Section 408 request for bridges under the Regional Categorical Permission. To be reviewed under the Regional Categorical Permission, the proposed project must adhere to all requirements of the Regional Categorical Permission, including the full alteration description (see previous page). The plans and narrative project description should reflect this information.

☐ New Construction ☐ Replacement ☐ Modification ☐ Authorize Existing		
Clear span of federal project?	Yes ☐	No ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Maximum total area of disturbance is 15 acres:		☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Drainage from the bridge directed away from the levee & channel bank:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Adequate bank protection to be placed upstream, downstream, and under the bridge:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
If bridge piers are proposed in channel, scour analysis included in application:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
If any modifications to levee, slope stability analysis included in application:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
No excavation of the levee crown that causes depression(s):		☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Piers and pile bents parallel to channel flow:		☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		

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No pile driving in levee:		☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Analysis of debris loading for piers and piles:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
For bridge replacement, the existing structure will be completely removed and disposed of outside the floodway and levee easement:	Yes ☐	N/A ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		
Any work occurring in the floodway?	Yes ☐	No ☐
Reference: [Click to enter document source. Example – plan sheet (p. 4), specs, report.]		
Comment: [Click to enter rationale, explanation, unique situation, etc.]		

– For Official Use Only below this line –

Comment

RCP Eligibility Review

Yes	No	Add'l. Info Requested		
☐	☐	☐	Environmental Reviewer: _____	Date: Click date
☐	☐	☐	Engineering Reviewer: _____	Date: Click date