

ILLINOIS DEPARTMENT OF NATURAL RESOURCES
OFFICE OF WATER RESOURCES
ONE NATURAL RESOURCES WAY
SPRINGFIELD, ILLINOIS 62702-1271

STATEWIDE PERMIT NO. 2

AUTHORIZING CONSTRUCTION OF BRIDGE AND CULVERT CROSSINGS OF
STREAMS IN RURAL AREAS

Permission is hereby granted for the construction of bridge and culvert crossings which, by being in compliance with the terms and conditions of this Permit, are determined to cause insignificant increase in potential flood damage. Subsequent to the effective date of this Permit, it is not necessary to submit applications to, or obtain individual permits from, the Office of Water Resources for bridge and culvert crossings meeting the specified terms and conditions.

APPLICABILITY

This Permit is applicable to bridge and culvert crossings of streams in rural areas of the state subject to the Department's jurisdiction except: 1) those in Lake, McHenry, Cook, DuPage, Kane and Will Counties for which regulatory floodways have been designated pursuant to 17 Illinois Administrative Code Part 3708; and 2) the public waters of the State (see the Department's Part 3704 "Regulation of Public Waters" rules for a listing of the public waters). Rural areas are areas where residential, commercial, or industrial development does not exist and is not expected to occur within a ten-year period. If there is any question of whether the bridge or culvert structure is within an area classified as rural, the Department shall be consulted to make the final determination.

This permit does not apply to the replacement of any bridge or culvert that has been the source of demonstrable flood damage.

SPECIAL CONDITIONS

1. For a new culvert or bridge crossing:

- (a) The crossing shall be designed such that it will not result in an increase in water surface profile elevation in excess of 1.0 ft. over the natural condition for any frequency flow up to and including the 100-year frequency flood; and
- (b) The crossing shall be designed such that it will not result in an increase in water surface profile elevation in excess of 0.5 ft. over the natural condition at a point 1,000 ft. upstream of the proposed structure (as determined by the horizontal projection of the maximum created head and the slope of the hydraulic grade line) for any frequency flood up to and including the 100-year frequency flood; and
- (c) There are no buildings or structures in the area impacted by the increases in water surface profile.

2. For a replacement culvert or bridge crossing:

- (a) The crossing shall be designed so that there will be no increase in backwater over the existing conditions, or

- (b) The crossing shall be designed so that it complies with the water surface profile increases listed in Special Condition 1; and
- (c) A registered professional engineer shall determine and document that the existing structure has not been the cause of demonstrable flood damage. Such documentation shall include, at a minimum, confirmation that:
 - 1) No buildings or structures have been impacted by the backwater induced by the existing crossing; and
 - 2) There is no record of complaints of flood damages associated with the existing crossing.
- 3. The proposed bridge or culvert crossing, whether new or replacement, must not involve the straightening, enlargement or relocation of the existing channel of the river or stream. The excavation of the channel and/or overbank necessary for the effective hydraulic performance of the culvert or bridge or removal of debris from the river or stream is not considered straightening, enlargement or relocation. Any excavation of the overbank incorporated into the design of the bridge or culvert crossing to meet the terms of Special Condition 1 or 2, must include appropriate vertical and horizontal transitions. Furthermore, the bottom elevation of the overbank excavation must not be below one-half the channel depth of the stream. This depth shall be calculated at an existing cross-section of the stream within the general vicinity of the culvert or bridge which has been unaffected by man-made obstructions.
- 4. The design must be certified by a registered professional engineer in the State of Illinois to have been designed by standard hydrologic and hydraulic engineering methods and to be in compliance with the terms and conditions of this Permit and the applicable rules of the Department; and
- 5. The design must be certified by a second registered professional engineer in the State of Illinois to have been reviewed and found to be in compliance with the terms and conditions of this Permit.
- 6. The permittee shall maintain, for each project authorized by this permit, the records necessary to document compliance with the above conditions.

GENERAL CONDITIONS OF THE STATEWIDE PERMIT

- 1. This permit is granted in accordance with the Rivers, Lakes and Streams Act, 615 ILCS 5 (2002 State Bar Edition).
- 2. This permit does not convey title to any permittee or recognize title of any permittee to any submerged or other lands, and furthermore, does not convey, lease or provide any right or rights of occupancy or use of the public or private property on which the project or any part thereof will be located, or otherwise grant to any permittee any right or interest in or to the property, whether the property is owned or possessed by the State of Illinois or by any private or public party or parties.

3. This permit does not release any permittee from liability for damage to persons or property resulting from any activity covered by this permit and does not authorize any injury to private property or invasion of private rights.
4. This permit does not relieve any permittee of the responsibility to obtain other federal, state or local authorizations required for the construction of the permitted activity; and if any permittee is required by law to obtain approval from any federal or other state agency to do the work, authorization granted by this permit is not effective until the federal and state approvals are obtained.
5. The permittee shall, at the permittee's own expense, remove all temporary piling, cofferdams, false work, and material incidental to the construction of the project, from the floodway in which the work is done. If the permittee fails to remove such structures or materials, the Department may have removal made at the expense of the permittee.
6. In issuing this permit, the Department of Natural Resources does not approve the adequacy of the design or structural strength of any structure or improvement authorized by this permit.
7. This Statewide Permit shall remain in effect until such time as it is modified, suspended, or revoked by the Department of Natural Resources.

This Statewide Permit was issued on January 6, 1982 and last modified March 1, 2005.

APPROVED:

Joel Brunsvold, Director
Department of Natural Resources

EXAMINED AND RECOMMENDED:

Paul Mauer, Jr., Acting Manager
Division of Water Resource Management

APPROVAL RECOMMENDED:

Gary R. Clark, Director
Office of Water Resources