

GENERAL PERMIT 1



DRCC #:19-5383

DATE: April 23, 2019

PROJECT NAME: Route 27 (Old Alignment) Bridge over D&R Canal In-kind Repairs

Latest Submission Received: March 27, 2019

Applicant:

New Jersey Department of Transportation (NJDOT)

951 Parkway Avenue

Ewing, NJ 08625

Brendan.Brock@dot.nj.gov

Project Location:

Road	Municipality	County	Block(s)	Lot(s)
State Highway Route 27 (Old alignment)	South Brunswick Township (Kingston)	Middlesex	N/A	N/A

Jurisdictional Determination:

Zone A	Minor	Governmental
--------	-------	--------------

Documents Received: Application, Google map and photographs received March 27, 2019.

The Delaware and Raritan Canal Commission has reviewed the referenced application for a General Permit authorization pursuant to the requirements of the Regulations for the Review of the Delaware and Raritan Canal State Park at N.J.A.C. 7:45-6.2. The proposed project is authorized by General Permit No.1, which authorizes projects in Zone A that are necessary to carry out the repair, rehabilitation, maintenance or reconstruction of a structure, road, utility line, or stormwater management measure or basin lawfully existing prior to January 1980 or approved under this Chapter by the Commission.

PO BOX 539

STOCKTON, NJ 08559

609-397-2000

www.nj.gov/dep/drcc/

DATE: April 23, 2019

PROJECT NAME: Route 27 (Old Alignment) Bridge over D&R Canal In-kind Repairs

The project authorized under this general permit shall not be put to any use other than as specified in any approval authorizing its original construction. Projects authorized under the general permit shall not visibly change, expand, widen or deepen the feature, and shall not deviate from any plans of any prior project approvals, except for minor deviations due to changes in materials or construction techniques. Any such deviations must be shown as necessary to fulfill the purpose of the proposed project and must be consistent with the Master Plan.

Description of the authorized project: NJDOT proposes to conduct in-kind maintenance repair work on the bridge over the Delaware and Raritan Canal on the Old Alignment of State Highway Route No. 27 in the Kingston locality of South Brunswick Township, Middlesex County, at canal mile 35.24.

The bridge is located in the vicinity of the Kingston Lock and the associated Locktenders House. The bridge is located within the Delaware and Raritan Canal Historic District, the King's Highway Historic District, the Kingston Mill Historic District, as well as the Millstone River Valley Scenic Byway. The bridge also lies in close proximity to numerous historic sites and structures, including, but not limited to, the 1789 stone arch bridge that formerly carried Route 27 over the Millstone River and the eponymous 1888 Kingston Mill structure.

The proposed repairs would replace missing bolts, patch damaged asphalt, as well as repairs to timber abutments and retaining wall sheeting. NJDOT has stated that the repairs will be done in-kind and not impact existing clearances with respect to the underside of the road deck.

Background: State Highway Route 27 runs 38.53 miles from U.S. Route 206 in the Municipality of Princeton, Mercer County, northeast to an interchange with Route 21 (McCarter Highway) and Broad Street in Newark, Essex County. Route 27 was part of the alignment through New Jersey of the Lincoln Highway -- the United States' first transcontinental highway -- that was established in 1913. Until 1953, Route 27 served as the main road between New Brunswick and Trenton, when the southern terminus of the highway was reduced to Princeton to avoid the concurrency with U.S. Route 206. The current alignment of Route 27 was established in the early 1970s, when the present steel and concrete bridges that carry the highway over the Millstone River and the Delaware and Raritan Canal were constructed approximately 345 feet to the north of the project site.

The bridge over the Delaware and Raritan Canal that was part of the old alignment of Route 27 is typical of the fixed-span bridges that replaced the swing bridges used during the period of the canal's operation. The original bridge was a wood deck A-frame like the others on the canal, which was then replaced circa 1916 with a king-post design with a wood deck. That bridge was replaced in 1957 with the current fixed span constructed

DATE: April 23, 2019**PROJECT NAME:** Route 27 (Old Alignment) Bridge over D&R Canal In-kind Repairs

of wood that featured a wood deck as late as 1982, after which time the deck was replaced with the current asphalt surface.

Permit Conditions: The project allowed by this authorization shall comply with the following conditions. Failure to comply with these conditions shall constitute a violation of the "Delaware and Raritan Canal State Park Law of 1974" (N.J.S.A. 13:13A-1 et seq.).

1. This authorization is valid for five years from the date of this letter unless more stringent standards are adopted by rules prior to this date.
2. The project as described shall be constructed and/or executed in conformity with the application.
3. No change in plans or specifications shall be made except with prior written permission from the Commission.
4. The permittee shall allow the Commission the right to inspect the construction site and shall provide the Commission with written notification 7 days prior to the start of the authorized work.
5. A complete, legible copy of this permit shall be kept at the work site and shall be exhibited upon request of any person.
6. The issuance of this permit shall not be deemed to affect in any way other actions by the Commission on any future application.
7. The Delaware and Raritan Canal is used as a raw water source for several water companies downstream, and as such, water quality and flow shall be maintained.
8. If work in the canal is required, the NJDOT shall following any recommendation by the New Jersey Water Supply Authority (NJWSA) that such work shall be conducted during times of low flow through the canal.
9. During the work, the contractor shall ensure that no debris, soil or vegetation from the work shall fall, drop, be placed or dumped in the canal. The applicant shall ensure that a boom or other method is employed to contain any debris in the canal and remove any debris from the water.
10. It shall be the contractor's responsibility to ensure that all debris caused by the work is removed from the canal.
11. The contractor shall not pierce or puncture the clay liner or the bed of the canal.
12. The NJDOT shall periodically inform and update the NJWSA on the status of the work schedule for the project.
13. Access to the canal, towpath and adjacent NJWSA buildings for NJWSA personnel shall be maintained.
14. Any damage to the canal caused by the contractor or any subcontractor shall be repaired to the satisfaction of the NJWSA.
15. The NJDOT shall obtain a Special Use Permit from the Superintendent of the D&R Canal State Park.
16. The contractor shall obtain general liability insurance in the amount of \$1 million, which shall list the State of New Jersey, the Department of Environmental Protection, the Division of Parks and Forestry, the State Park Service and the NJWSA as additionally insured.

DRCC#: 19-5383

4

DATE: April 23, 2019

PROJECT NAME: Route 27 (Old Alignment) Bridge over D&R Canal In-kind Repairs

17. When available, NJDOT shall provide the name of the contractor undertaking the project to the Commission, NJWSA and the State Park Superintendent.
18. The contractor shall assume all risk of and responsibility for, and agrees to indemnify, defend and save harmless the State of New Jersey and its employees from and against any and all claims, demands, suit, actions, recoveries, judgements, costs and expenses in connection therewith on account of the loss of life, property or injury or damage to the person, body, or property of any person or persons whatsoever, which shall arise from or result directly or indirectly from work performed in connection with this permit. The indemnification obligation is not limited by, but is in addition to, the insurance obligation contained in this permit.

Expiration Date: April 23, 2024.

Appeal of Decision: In accordance with N.J.A.C. 7:45- 7.1, any person who is aggrieved by this decision may request a hearing within 30 days of the date of decision.

If you have any questions regarding this authorization, please contact the Commission at (609) 397-2000 and reference the above file number.

Sincerely,



John Hutchison
Executive Director

- c. Mike Sellar, Facility Manager, Delaware & Raritan Canal, NJSWA
Julie Shelley, Property & Permit Administrator, NJWSA
Patricia Kalleser, Superintendent, Delaware & Raritan Canal State Park
Jesse West-Rosenthal, Historic Preservation Specialist 2, DEP/SHPO

PO BOX 539

STOCKTON, NJ 08559

609-397-2000

www.nj.gov/dep/drcc/