



Virtual Public Information Center

Bakers Basin Road Bridge over D&R Canal Lawrence Township, Mercer County

February 1, 2021– February 19, 2021

<https://taylorwiseman.com/njdotvirtualpic/bakersbasinroadbridgereplacement/>

The New Jersey Department of Transportation (NJDOT), committed to developing transportation improvements which best balance transportation needs, community concerns, the environment and cost, will hold a **Public Information Center** to inform local residents, public officials and the business community about the **Bakers Basin Road Bridge over Delaware & Raritan (D&R) Canal** bridge replacement project. You are encouraged to actively participate by providing comments by e-mail.

Website Presentation

The Public Information Center will be held virtually from February 1, 2021 through February 19, 2021, and can be accessed at the following internet location:

<https://taylorwiseman.com/njdotvirtualpic/bakersbasinroadbridgereplacement/>

Project Overview

The purpose of the project is to provide a reliable and safe crossing of Bakers Basin Road over the D&R Canal to better serve the traveling public and surrounding communities. To achieve this, bridge replacement is recommended based on the bridge condition, geometry, and highway safety Project Needs. The existing bridge is classified as Structurally Deficient due to the poor condition of the substructure based on the 2018 Bridge Inspection Report. The bridge is located in the D&R Canal Park but is under NJDOT jurisdiction.

There were several alternatives considered during the conceptual development phase of the project. The proposed Preliminary Preferred Alternative (PPA) recommends replacing the existing 3-span timber structure with a single-span prestressed concrete adjacent voided slab beam bridge with reinforced concrete abutments. The proposed waterway opening will match the existing opening width of 47 feet. The bridge deck will consist of a 8" thick cast-in-place reinforced concrete slab and will carry two 12-foot lanes with 4-foot shoulders and 6-foot wide sidewalks for a total width of 47'-2". Parapets will consist of 3'-6" high 4-bar steel railings. The steel railings are crashworthy and satisfy D&R Canal Commission aesthetic requirements.

To improve the substandard vertical alignment of Bakers Basin Road, a vertical curve will be provided across the bridge deck, eliminating the abrupt transitions between the

deck and roadway. The proposed vertical alignment will provide a Stopping Sight Distance sufficient for the 35 mph design speed. The horizontal alignment of Bakers Basin Road will match the existing alignment with the tangent bridge located between reverse horizontal curves. The sidewalk will be extended on the south of the road from the bridge to the existing sidewalk at Greenburg Road.

Right-of-way (ROW) impacts are limited to expanded width ROW taking along Block 3601 Lot 5.01 (SiteOne Landscape Supply) due to the sidewalk installation, and temporary slope and utility easements on Block 3601 Lot 9 (owned by NJDEP) and Block 4001 Lot 29, a residential property featuring the historically significant Benjamin B. Baker House. Existing gas and water mains will be relocated via directional drill installation outside of the bridge footprint and aerial electric and telephone lines will be temporarily relocated away from the construction zone and returned to their original alignment at the conclusion of construction.

Traffic using Bakers Basin Road will be detoured for the duration of construction, which is anticipated to take 3 months. Eastbound traffic will use Route 1 northbound to Grover Mill Road (CR 638) to Quakerbridge Road (CR 533) to Lawrence Station Road (CR 608). Westbound traffic will use Lawrence Station Road (CR 608) to Quakerbridge Road (CR 533) to Route 1 southbound.

Estimated Schedule

Preliminary Engineering	2021 – 2022
Final Design	2023 – 2025
Construction:	2026 – 2027

For more information, please contact:

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