

Replacement of Bridges 3-672 and 3-673 On S048 Zoar Road (DeDOT Contract T202307301)



Existing Bridges:

- DeDOT owned & maintained. Built in 1932.
- Existing Bridge 3-672 is a 16'-0" single span, reinforced concrete rigid frame with concrete parapets and wingwalls.
- Existing Bridge 3-673 is a 22'-0" single span, reinforced concrete rigid frame with concrete parapets and wingwalls.
- Existing Bridge 3-673 is posted with a 30-Ton load restriction.
- Both bridges are monitored for channel scour.
- Bridges are nearing the end of their useful service lives and are due for replacement.

Location of Bridges 3-672 and 3-673

<https://de.gov/ZoarRoadMap>

Project Need Overview:

Due to their age and scour concerns, these bridges have been designated as full replacements. Bridge 3-673 is also load posted, which limits the weight of vehicles that can safely cross it. Concrete bridges such as these will normally have a history of a long service life with these being good examples of how routine maintenance can prolong that service. These bridges have been designated as replacements due to their scour concerns as well as current load postings.



Proposed elevation view rendering of Bridge 3-672.



Proposed elevation view rendering of Bridge 3-673.

See reverse side for additional information 



Proposed Project Improvements:

The proposed project limits are along Zoar Road from The Estates at Morris Mill on the west to Morris Mill Road on the east. The existing bridges will be replaced with prefabricated concrete structures to minimize the construction duration. The stream channels and structure foundations will be designed to minimize future scour issues. The roadway of Zoar Road throughout the project limits will be widened to include 5'-0" shoulders, matching the existing roadway at The Estates at Morris Mill.



Aerial view of the proposed bridge and roadway improvements.

Proposed Project Renderings:

Renderings of the project in plan view and elevation view can be found at this link: <https://de.gov/T202307301>

- The Plan View is an aerial or 'bird's eye' view of the proposed overall site work.
- The Bridge Elevation views are what you would see if standing in the water looking back at the bridge.

A general example of this type of bridge replacement is available in video form and can be found on YouTube at this link: <https://de.gov/BRPipe2Frame>. Please note that this project's existing bridges to be removed are concrete bridges similar to the new ones and are not like the metal pipes shown being removed in the video.

Proposed Temporary Detour Plans:

This project will require a complete road closure at the bridge site to enable the current bridges to be removed and replaced. The temporary detour route can be found at this link: <https://de.gov/T202307301>

This project is expected to begin in Spring 2028 and is expected to end in Fall 2028.

Project Contacts:

Any questions, comments or concerns should be directed to DeIDOT Community Relations at 302-760-2080 or you may contact us by e-mail at dotpublic@delaware.gov.

Please include the project name or contract number when contacting us to expedite our response to any inquiry.