



2019-2022 TIP Amendment

Robinson Mill Road Bridge over Broad Creek

October 23, 2018



Robinson Mill Road Bridge Project



Robinson Mill Road Bridge Project



- Existing Bridge carries Robinson Mill Road over Broad Creek, located in the Darlington area, in Harford County Maryland, was built in 1965.
- The existing bridge consists of a 48 foot long simple span structure with a 19'-6" wide bituminous concrete deck on steel beams supported by concrete abutments. The approach roadway width is 20 feet and the existing bridge waterway opening is 46 feet.

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- Condition problems with the existing bridge are section loss and corrosion at locations along the beams, scaling along bottom of the west abutment and corrosion holes in the corrugated metal deck that had been patched numerous times.
- Due to the continued deteriorating condition of the existing bridge, the bridge was closed to thru traffic on March 10, 2017

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- The proposed bridge project involves replacing the existing bridge with a new 53'-0" simple span structure consisting of precast pre-stressed concrete box beams superstructure; concrete deck; and concrete abutments and wingwalls. The new bridge is to be supported on piles founded on rock.
- The bridge clear width is to be 22'-0" and the approach roadway width is the same. The waterway opening is to be 50'-6".

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- The new bridge is to be realigned along with a portion of the approach roadway to improve Broad Creek stream flow thru the new bridge opening and, to minimize property impacts on the southeast side of the bridge.
- Aesthetic features have been included in the new bridge project such as stone texture application on the wingwalls and brown color polyester coated traffic railings.
- The new bridge design was substantially completed in November 2013 and the right-of-way acquisition process started in January 2014.

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- The project was delayed by the right-of-way acquisition process which resulted in acquiring the last right-of-way/easements from the one property owner in October 2017 through the county's condemnation process. The right-of-way/easements needed from this property was settled with the property owner prior to the scheduled court proceedings.
- All right-of-way and easements have been acquired and the new bridge project construction is pending approval of funds by the Federal Highway Administration.
- Funding: Surface Transportation Program
 - FY 2019: \$1,185,000 Federal with \$380,000 County Match for Construction and Inspection Fees