

# DICUS MILL BRIDGE OVER SEVERN RUN

## Background

Dicus Mill Road Bridge over Severn Run was built in 1955. The structure is 27 feet long and 15 feet wide. The superstructure consists of eight steel beams supported by a corrugated metal deck filled with asphalt (riding surface). The substructure consists of reinforced concrete abutments and wingwalls.

Regular inspections confirm that there are several small holes in the deck (note - these have been covered by metal plates), the corrugated metal webbing and steel beams have moderate corrosion, the approach roadways have settled (approximately 1"), and there is some scour at the abutments.

Based on the Bridge Sufficiency Rating, this bridge qualifies for replacement in accordance with the Federal Highway Bridge Rehabilitation and Replacement Program.

The new bridge will be widened to 27 feet (clear roadway width). The superstructure will consist of prestressed concrete beams overlaid with a reinforced concrete deck. The foundation will be rebuilt using steel piling (replaces timber piles) and reinforced concrete (abutments and wingwalls). Finally, riprap will be installed underneath the bridge to protect the foundation against scour.

## Benefits

- New bridge structure to improve overall structural condition and load capacity
- Wider bridge structure (improves safety for vehicles, pedestrians, bicyclists)
- Realignment of roadway approaches (improves sight visibility at bridge crossing)
- Improved riding surface
- Improved drainage
- Federal Grant eligibility for 80% of cost of construction

## Project Status

- Design complete
- Awaiting FHA review/approval



## Project Information

|                                |                                |
|--------------------------------|--------------------------------|
| Project Manager                | Dennis Fretz<br>(410) 222-7345 |
| Design Consultant              | Johnson, Mirmiran & Thompson   |
| Contractor                     | TBD                            |
| Inspection Manager             | TBD                            |
| Estimated Total Project Cost   | \$954K                         |
| Construction Notice to Proceed | September 2010                 |
| Projected Completion Date      | February 2011                  |

*For more information contact Customer Relations at 410-222-7582 or email us at [customer@aacounty.org](mailto:customer@aacounty.org)*