



FEMA

HMGP Provides Safer Roadway and More Reliable Roadway

The State of Michigan - A 1,320 foot stretch of M-35 was recently restructured using funds from FEMA's Hazard Mitigation Grant Program (HMGP). The roadway had a history of flooding, which caused hassles for drivers and cost the state thousands of dollars.

The project was a two-fold improvement of the stretch of road. First, two 24-foot culverts were replaced with 36-foot and 48-foot culverts. This allowed necessary drainage between the wetlands dissected by the M-35 roadway.

The second phase consisted of an aggregate grade lift that was placed on the existing road surface to allow sufficient drainage to stop the continued erosion during high run-off periods. The roadway was then repaved to allow acceptable traffic conditions for the traveling public. Now the run during peak events no longer saturates the sub-base and degrades the structural integrity of the roadway.

Less flooding, along with faster drainage when flooding does occur, means safer travel conditions for the thousands who traverse the road. The repetitive roadwork that was previously required was also drastically reduced. With an estimated benefit of over \$600,000 during the project's 20-year expected use, the Michigan Department of Transportation will save \$30,000 annually.

Thanks to the cooperation of FEMA, Marquette County and the Michigan Department of Transportation, the HMGP was used to make M-35 not only more cost-effective, but also, more importantly, a safer road.



State-wide,
Michigan



Quick Facts

Sector:

Public

Cost:

\$205,980.00 (Actual)

Primary Activity/Project:

Flood-proofing

Primary Funding:

Hazard Mitigation Grant Program (HMGP)