# Brink Road Bridge (M-63) over Goshen Branch -- No. 500503

| | | | |
|---|---|---|---|
| Category | **Transportation** | Date Last Modified | **May 12, 2004** |
| Agency | **Public Works & Transportation** | Previous PDF Page Number | **NONE** |
| Planning Area | **Goshen-Woodfield & Vicinity** | Required Adequate Public Facility | **NO** |
| Relocation Impact | **None.** | | |

## EXPENDITURE SCHEDULE ($000)

| Cost Element | Total | Thru FY03 | Est. FY04 | Total 6 Years | FY05 | FY06 | FY07 | FY08 | FY09 | FY10 | Beyond 6 Years |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Planning, Design and Supervision | 322 | 0 | 0 | 322 | 32 | 290 | 0 | 0 | 0 | 0 | 0 |
| Land | 94 | 0 | 0 | 94 | 94 | 0 | 0 | 0 | 0 | 0 | 0 |
| Site Improvements and Utilities | 20 | 0 | 0 | 20 | 0 | 20 | 0 | 0 | 0 | 0 | 0 |
| Construction | 1,253 | 0 | 0 | 1,253 | 365 | 888 | 0 | 0 | 0 | 0 | 0 |
| Other | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total | 1,689 | 0 | 0 | 1,689 | 491 | 1,198 | 0 | 0 | 0 | 0 | 0 |

## FUNDING SCHEDULE ($000)

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| G.O. Bonds | 598 | 0 | 0 | 598 | 182 | 416 | 0 | 0 | 0 | 0 | 0 |
| Federal Aid | 1,091 | 0 | 0 | 1,091 | 309 | 782 | 0 | 0 | 0 | 0 | 0 |

## ANNUAL OPERATING BUDGET IMPACT ($000)

**DESCRIPTION**

This project replaces the existing Brink Road Bridge over Goshen Branch and reconstructs the approach roadways (approximately 850 feet) to accommodate the new bridge construction. The new bridge will provide two 11-foot travel lanes with two 4-foot shoulders on each side, for a total bridge width of 30 feet. The approach roadway work is needed to transition the new structure into the existing roadway. The road will remain open to traffic during construction. The proposed bridge alignment will be offset 15-20 foot to the east to avoid grading impacts to the adjacent Goshen Branch Stream Valley Park and, to accommodate the wider bridge and a slight increase in the vertical profile elevation. The foundation will require drilled piles due to the layered rock at the site.

**Service Area**

Goshen, Woodfield and Cedar Grove area.

**Capacity**

The current average daily traffic (ADT) is 8,200 with approximately 1 percent trucks.

**JUSTIFICATION**

The existing bridge, built in 1930, is a 38-foot long single-span structure carrying a 27 foot 4 inch clear roadway. The existing structure consists of ten steel I-beams with a bituminous filled corrugated metal deck, supported on concrete abutments. The bridge is currently posted for a 60,000 lb. limit for a single unit truck and an 80,000 lb. for a combination unit truck. The 2001 Bridge Inspection Report indicates that steel beams exhibit moderate to severe section loss in the bottom flanges. The abutments have moderate spall and hollow sounding concrete and the railings are in poor condition. This bridge is considered structurally deficient.

**Plans and Studies**

The segment of Brink Road between Wightman Road and Relocated Goshen Road does not have a master plan designation and is considered a Secondary Residential Road. A review of impacts to pedestrians, bicyclists, and the requirements of the ADA (Americans with Disabilities Act of 1991) is being performed and addressed by this project. Traffic signals, streetlights, crosswalks, bus stops, sidewalk ramps, bikeways, and other pertinent issues are being considered in the design of the project to endure pedestrian safety. This bridge was identified for replacement through the County's 1999 biennial bridge inspection program.

**Cost Change**

Not applicable

**STATUS**

Final design

**OTHER**

The scope of work and schedule are new for FY05. Design costs for this project are included in the Facility Planning: Bridges project. The costs of bridge construction and construction management for this project are eligible for up to 80 percent Federal Aid. The construction will be implemented in three phases. Two-lane two-way traffic (one lane in each direction) will be maintained during construction.

## APPROPRIATION AND EXPENDITURE DATA

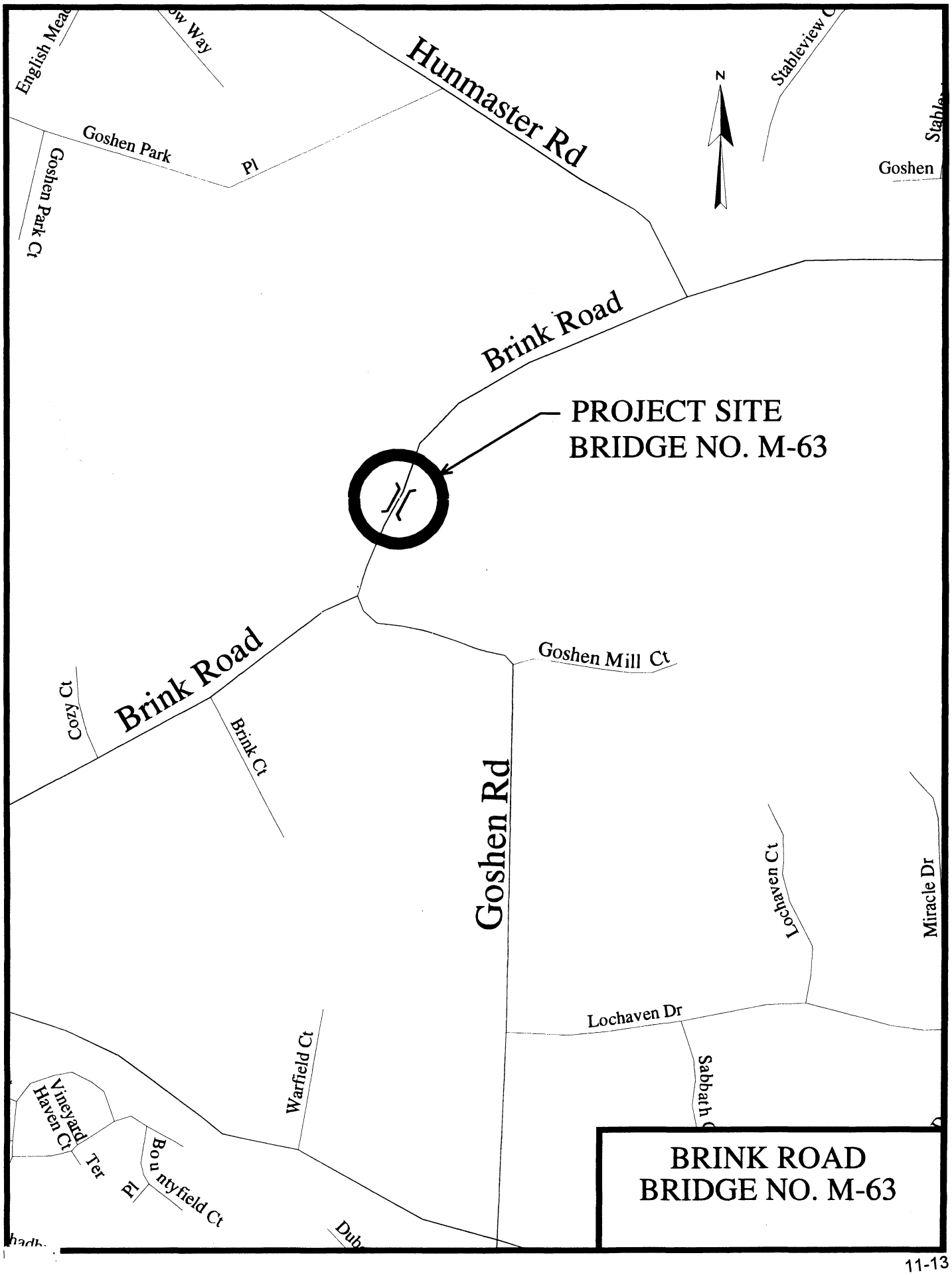
| | | |
|---|---|---|
| Date First Appropriation | FY05 | ($000) |
| Initial Cost Estimate | | 1,689 |
| First Cost Estimate Current Scope | FY05 | 1,689 |
| Last FY's Cost Estimate | | 0 |
| Present Cost Estimate | | 1,689 |
| Appropriation Request | FY05 | 1,689 |
| Appropriation Request Est. | FY06 | 0 |
| Supplemental Appropriation Request | FY04 | 0 |
| Transfer | | 0 |
| Cumulative Appropriation | | 0 |
| Expenditures/ Encumbrances | | 0 |
| Unencumbered Balance | | 0 |
| Partial Closeout Thru | FY02 | 0 |
| New Partial Closeout | FY03 | 0 |
| Total Partial Closeout | | 0 |

## COORDINATION

Maryland-National Capital Park and Planning Commission
Department of Permitting Services
Maryland Department of the Environment
PEPCO
Bell Atlantic
Maryland State Highway Administration
Federal Highway Administration

## MAP

See Map on Next Page


Hunmaster Rd
Goshen Park
Pl
Goshen Park Ct
Stableview
Goshen
N
Brink Road
PROJECT SITE
BRIDGE NO. M-63
Brink Road
Cozy Ct
Brink Ct
Goshen Mill Ct
Goshen Rd
Lochaven Ct
Miracle Dr
Lochaven Dr
Sabbath
Warfield Ct
Vineyard Haven Ct
Ter
Pl
Bountyfield Ct
Dub
BRINK ROAD
BRIDGE NO. M-63