Park Valley Road Bridge (P501523)

Category	Transportation	Date Last Modified	11/17/14
Sub Category	Bridges	Required Adequate Public Facility	Yes
Administering Agency	Transportation (AAGE30)	Relocation Impact	None
Planning Area	Silver Spring	Status	Preliminary Design Stage

	Total	Thru FY14	Rem FY14	Total 6 Years	FY 15	FY 16	FY 17	FY 18	FY 19	FY 20	Beyond 6 Yrs
EXPENDITURE SCHEDULE ($000s)											
Planning, Design and Supervision	545	0	0	545	0	45	450	50	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	30	0	0	30	0	0	0	30	0	0	0
Construction	3,375	0	0	3,375	0	475	2,600	300	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0
Total	**3,950**	**0**	**0**	**3,950**	**0**	**520**	**3,050**	**380**	**0**	**0**	**0**
FUNDING SCHEDULE ($000s)											
Federal Aid	2,912	0	0	2,912	0	390	2,237	285	0	0	0
G.O. Bonds	1,038	0	0	1,038	0	130	813	95	0	0	0
Total	**3,950**	**0**	**0**	**3,950**	**0**	**520**	**3,050**	**380**	**0**	**0**	**0**

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		3,950
Expenditure / Encumbrances		0
Unencumbered Balance		3,950

Date First Appropriation	FY 15	
First Cost Estimate		
Current Scope	FY 15	3,950
Last FY's Cost Estimate		3,950

Description

This project provides for the replacement of the existing Park Valley Road Bridge over Sligo Creek, reconfiguration of the Park Valley Road/Sligo Creek Parkway intersection, and realignment of the nearby existing Sligo Creek Hiker/Biker Trail.

The replacement Park Valley Road Bridge will be a 30 foot single span simply supported prestressed concrete slab beam structure carrying a 26 foot clear roadway and a 5 foot 8 inch wide sidewalk on the south side, for a total clear bridge width of 32 feet 4 inches. An approximately 120 foot long approach roadway will be reconstructed to tie the bridge to the existing roadway and an approximately 120 foot long sidewalk will be constructed to tie the sidewalk on the bridge to the existing trail.

The existing substandard mini-circle Park Valley Road/Sligo Creek Parkway intersection will be reconfigured to a regular T-intersection.

The realignment of the existing Sligo Creek Hiker/Biker Trail will include a new 12 foot wide approximately, 55 foot single span simply supported prefabricated steel truss pedestrian bridge over Sligo Creek, plus an approximately 160 foot long new approach trail to tie the new pedestrian bridge to the existing trail.

Location

The project site is located west of the intersection of Park Valley Road and Sligo Creek Parkway in Silver Spring.

Capacity

Upon completion, the Average Daily Traffic [ADT] on the Park Valley Road Bridge will remain under 1,100 vehicles per day.

Estimated Schedule

The design of the project is expected to finish in the Summer 2014 under C.I.P. No. 509132. The construction is scheduled to start in the Spring 2016 and be completed in the Summer 2017. The schedule is delayed due to requirements for Federal funding and additional stream work and drainage required for MNCPPC park permit.

Justification

The existing Park Valley Road Bridge, built in 1931, is a 30 foot single span structure carrying a 20 foot clear roadway and a 5 foot wide sidewalk on the south side, for a total clear bridge width of 25 feet 9 inches. The 2011 inspection revealed that the concrete deck and abutments are in very poor condition. This bridge is considered structurally deficient. The bridge has posted load limits of 30,000 lb. The reconfigured T-intersection will improve traffic safety and provide better access for school buses and fire-rescue apparatus. The trail realignment is necessary to maintain pedestrian/bicycle access during construction of the replacement of the Park Valley Road Bridge and will provide a safer pedestrian/bicycle access.

Park Valley Road is classified as a secondary residential roadway in the East Silver Spring Master Plan. The Sligo Creek Hiker/Biker Trail runs in the north-south direction along Sligo Creek and through the existing Park Valley Road Bridge.

Other

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The road will be closed and vehicular traffic will be detoured during construction. Right-of-way acquisition is not required. The construction will be implemented in two phases. Phase 1: Construct the intersection reconfiguration, new pedestrian bridge and hiker/biker trail realignment. Pedestrian/bicycle access will be maintained through the existing Park Valley Road Bridge. Phase 2: Construct the replacement of the Park Valley Road Bridge and approach roadway pavement. Pedestrian/bicycle access will be maintained through the new pedestrian and hiker/biker trail.

Fiscal Note

The costs of construction and construction management for the replacement of the Park Valley Road Bridge and associated approach work are eligible for up to 80 percent Federal Aid. The cost of construction and construction management of the reconfiguration of the Park Valley Road/Sligo Creek Parkway intersection and realignment of the nearby existing Sligo Creek Hiker/Biker Trail, including the new pedestrian bridge, will be 100 percent General Obligation Bonds.

Disclosures

A pedestrian impact analysis has been completed for this project.

Coordination

Bridge Design Project CIP 509132
FHWA – Federal Aid Bridge Replacement/Rehabilitation Program
Maryland State Highway Administration
Maryland Department of the Environment
M-NCPPC
Department of Permitting Services
WSSC
PEPCO
Verizon Maryland