

EOB & Judicial Center Traffic Circle Repair (P361200)

Category	General Government	Date Last Modified	10/13/14
Sub Category	County Offices and Other Improvements	Required Adequate Public Facility	No
Administering Agency	General Services (AAGE29)	Relocation Impact	None
Planning Area	Rockville	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
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EXPENDITURE SCHEDULE (\$000s)

Planning, Design and Supervision	920	230	520	170	170	0	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	142	86	0	56	56	0	0	0	0	0
Construction	3,888	0	2,062	1,826	1,826	0	0	0	0	0
Other	74	0	74	0	0	0	0	0	0	0
Total	5,024	316	2,656	2,052	2,052	0	0	0	0	0

FUNDING SCHEDULE (\$000s)

G.O. Bonds	5,024	316	2,656	2,052	2,052	0	0	0	0	0
Total	5,024	316	2,656	2,052	2,052	0	0	0	0	0

OPERATING BUDGET IMPACT (\$000s)

Maintenance				80	0	0	20	20	20	20
Net Impact				80	0	0	20	20	20	20

APPROPRIATION AND EXPENDITURE DATA (000s)

Appropriation Request	FY 16	0
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		5,024
Expenditure / Encumbrances		316
Unencumbered Balance		4,708

Date First Appropriation	FY 12
First Cost Estimate	
Current Scope	FY 13
Last FY's Cost Estimate	5,024

Description

The traffic circle is located in front of the Executive Office Building (EOB) and Judicial Center (JC). The circle requires immediate repairs due to continual deterioration which is causing water infiltration into the EOB/Judicial Center loading dock below. This two phase project will address the failed expansion joint seals within Monroe Street. Phase I of the project, Monroe Street Expansion Joint Seal Replacement, includes selective structural road deck concrete patching and placement of a smoke and fire blanket beneath the joint seal. Phase II includes selected demolition, removal of plaza surfacing, asphalt topping, and concrete topping followed by reconstruction of wearing surface.

Estimated Schedule

Design and construction for Phase I and Phase II have been combined. DGS has work underway and has completed the concept design with work scheduled to begin summer 2014.

Justification

The circle was deteriorating and was at a point that immediate repairs were needed due to life safety and structural concerns resulting from cracks in the roof deck and various openings in failed expansion joints. Extensive water infiltration in the loading dock servicing the EOB, JC and neighboring stores was occurring at an increasing rate due to failure of expansion joints in the traffic circle. Water infiltration caused parts of the concrete roof deck to fail resulting in concrete portions falling onto the loading dock below. Continual water damage to the loading dock will result in higher repair costs in the future if this problem is not taken care of immediately. A Structural Engineering and Condition Evaluation Study, dated April 7, 2010, was prepared by Smislova, Kehnemui & Associates and forms the basis of this project. The study concluded that the plaza structure and envelope is in poor condition with specific components undergoing severe physical distress. Study recommendations are that, in Phase I, a plaza repair program be performed on a prioritized basis starting with replacement of the deficient expansion joint seal located in the middle of Monroe Street and installation of a smoke and fire blanket beneath the joint. In Phase II, plaza resurfacing, waterproofing, and planter and structural deck repairs are completed.

Disclosures

A pedestrian impact analysis will be performed during design or is in progress.

Coordination

Department of General Services, City of Rockville, Adjacent Property Owners, Circuit Court