

EOB & Judicial Center Traffic Circle Repair -- No. 361200

Category
Subcategory
Administering Agency
Planning Area

General Government
County Offices and Other Improvements
General Services
Rockville

Date Last Modified
Required Adequate Public Facility
Relocation Impact
Status

December 30, 2011
No
None.
Planning Stage

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY11	Est. FY12	Total 6 Years	FY13	FY14	FY15	FY16	FY17	FY18	Beyond 6 Years
Planning, Design, and Supervision	920	0	60	860	435	255	170	0	0	0	0
Land	0	0	0	0	0	0	0	0	0	0	0
Site Improvements and Utilities	112	0	0	112	0	56	56	0	0	0	0
Construction	3,918	0	266	3,652	0	1,826	1,826	0	0	0	0
Other	74	0	74	0	0	0	0	0	0	0	0
Total	5,024	0	400	4,624	435	2,137	2,052	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	5,024	0	400	4,624	435	2,137	2,052	0	0	0	0
Total	5,024	0	400	4,624	435	2,137	2,052	0	0	0	0

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 for Phase I repairs are estimated to take two months and construction is estimated to take six months. Design for Phase II is to begin in FY13 and is estimated to take six months and construction is estimated to take 12 months.

COST CHANGE

Increase is due to the addition of Phase II repairs.

JUSTIFICATION

The circle has been deteriorating and now is at a point that immediate repairs are 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 is occurring at an increasing rate due to failure of expansion joints in the traffic circle. Water infiltration is also causing parts of the concrete roof deck to fail resulting in concrete chunks 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 request. The study concludes 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 will be completed.

FISCAL NOTE

The traffic circle on Monroe Street is owned by multiple parties including Montgomery County, the City of Rockville, and private owners. A title search will need to be completed to determine the extent of Montgomery County's financial responsibility for the Phase II repairs.

OTHER DISCLOSURES

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

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY12	(\$000)
First Cost Estimate	FY13	5,024
Current Scope		
Last FY's Cost Estimate		400
Appropriation Request	FY13	435
Appropriation Request Est.	FY14	3,922
Supplemental Appropriation Request		0
Transfer		0
Cumulative Appropriation		400
Expenditures / Encumbrances		87
Unencumbered Balance		313
Partial Closeout Thru	FY10	0
New Partial Closeout	FY11	0
Total Partial Closeout		0

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

