

Resurfacing Park Roads and Bridge Improvements -- No. 868700

ADOPTED

Category **M-NCPPC**
 Agency **M-NCPPC**
 Planning Area **Countywide**
 Relocation Impact

Date Last Modified
 Previous PDF Page Number
 Required Adequate Public Facility

April 21, 2004
 21-45 (03 App)
 NO

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	914	0	83	831	236	135	145	65	125	125	0
Land											
Site Improvements and Utilities	3,737	0	1,119	2,618	294	384	455	535	475	475	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other											
Total	4,651	0	1,202	3,449	530	519	600	600	600	600	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	4,147	0	698	3,449	530	519	600	600	600	600	0
Current Revenue:											
General	504	0	504	0	0	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the rehabilitation and/or renovation of park roads and associated bridges. Park roads are roadways which serve as public transportation routes in stream valley parks, e.g. Sligo Creek Parkway, Beach Drive, Little Falls Parkway, etc. Park bridges are vehicular bridges owned and maintained by M-NCPPC and identified in the periodic bridge inspection report prepared by the Montgomery County Department of Public Works and Transportation (DPWT). There are approximately 14 miles of park roads and 13 associated bridges within the park system. The program includes pavement renovation, drainage improvements, structural and nonstructural bridge repairs and guard rail replacement.

Projects will resurface portions of Beach Drive, Sligo Creek Parkway, Carderock Springs Drive, and Elmhirst Parkway.

JUSTIFICATION

Safety and planned maintenance. Generally repair park roads every 13 years based on condition and safety factors; repair park bridges per DPWT's biennial inspection reports.

Plans and Studies

DPWT's biennial inspection reports. Park road conditions are evaluated every two years according to DPWT's Pavement Surface Condition Rating Manual.

Cost Change

2003 review of park roads shows deterioration of sections of Beach Drive and Sligo Creek Parkway below acceptable levels. A level of expenditure of \$600,000 per year is required to meet lifecycle pavement renovation needs.

STATUS

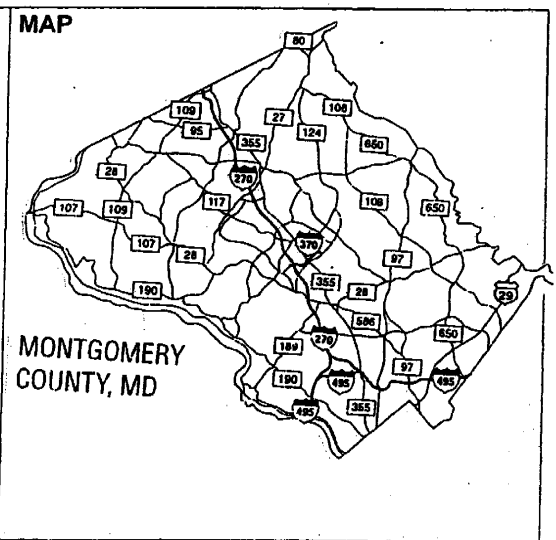
Ongoing.

OTHER

* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA		
Date First Appropriation	FY86	(\$000)
Initial Cost Estimate		495
First Cost Estimate		
Current Scope	FY02	5,617
Last FY's Cost Estimate		6,271
Present Cost Estimate		4,651
Appropriation Request	FY05	530
Appropriation Req. Est.	FY06	674
Supplemental Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		1,202
Expenditures/Encumbrances		1,202
Unencumbered Balance		0
Partial Closeout Thru	FY02	0
New Partial Closeout	FY03	3,631
Total Partial Closeout		3,631

COORDINATION
 Montgomery County Department of Public Works and Transportation
 Little Falls Parkway Bridge PDF 038704



Resurfacing Park Roads and Bridge Improvements -- No. 868700

Category **M-NCPPC**
 Agency **M-NCPPC**
 Planning Area **Countywide**
 Relocation Impact

Date Last Modified **January 28, 2005**
 Previous PDF Page Number **21-45 (03 App)**
 Required Adequate Public Facility **NO**

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	319	0	83	236	236	0	0	0	0	0	0
Land											
Site Improvements and Utilities	1,413	0	1,119	294	294	0	0	0	0	0	0
Construction	0	0	0	0	0	0	0	0	0	0	0
Other											
Total	1,732	0	1,202	530	530	0	0	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	1,228	0	698	530	530	0	0	0	0	0	0
Current Revenue:											
General	504	0	504	0	0	0	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

DESCRIPTION

This project provides for the rehabilitation and/or renovation of park roads and associated bridges. Park roads are roadways which serve as public transportation routes in stream valley parks, e.g. Sligo Creek Parkway, Beach Drive, Little Falls Parkway, etc. Park bridges are vehicular bridges owned and maintained by M-NCPPC and identified in the periodic bridge inspection report prepared by the Montgomery County Department of Public Works and Transportation (DPWT). There are approximately 14 miles of park roads and 13 associated bridges within the park system. The program includes pavement renovation, drainage improvements, structural and nonstructural bridge repairs and guard rail replacement.

Projects will resurface portions of Beach Drive, Sligo Creek Parkway, Carderock Springs Drive, and Elmhurst Parkway.

THIS PDF IS PENDING CLOSEOUT BECAUSE THE WORK PROGRAM IS BEING TRANSFERRED TO DPWT.

JUSTIFICATION

Safety and planned maintenance. Generally repair park roads every 13 years based on condition and safety factors; repair park bridges per DPWT's biennial inspection reports.

Plans and Studies

DPWT's biennial inspection reports. Park road conditions are evaluated every two years according to DPWT's Pavement Surface Condition Rating Manual.

Cost Change

2003 review shows deterioration of sections of Beach Drive and Sligo Creek Parkway below acceptable levels. \$600,000/year needed for lifecycle pavement renovation. TOTAL COST REDUCED BECAUSE PROGRAM IS BEING TRANSFERRED TO DPWT.

STATUS

PENDING CLOSEOUT

OTHER

* Expenditures will continue indefinitely.

APPROPRIATION AND EXPENDITURE DATA			COORDINATION		MAP
Date First Appropriation	FY86	(\$000)	Montgomery County Department of Public Works and Transportation Little Falls Parkway Bridge PDF 038704		
Initial Cost Estimate		495			
First Cost Estimate					
Current Scope	FY02	5,617			
Last FY's Cost Estimate		6,271			
Present Cost Estimate		1,732			
Appropriation Request	FY05	530			
Appropriation Req. Est.	FY06	0			
Supplemental Appropriation Request	FY04	0			
Transfer		0			
Cumulative Appropriation		1,202			
Expenditures/Encumbrances		1,202			
Unencumbered Balance		0			
Partial Closeout Thru	FY02	0			
New Partial Closeout	FY03	3,631			
Total Partial Closeout		3,631			

	A	B	D
1	Resurfacing Park Roads and Bridges, PDF 868700		
2			
3	PARK ROADS		
4	Type 1 Roads		Miles
5		Beach Drive through Rock Creek Stream Valley (2 lanes)	5.9
6		Little Falls Parkway (4 lanes)	2.4
7		Sligo Creek Parkway through Sligo Creek Stream Valley (2 lanes)	5.5
9	Lesser Segments Carrying Commuter Traffic		
10		Carderock Springs Drive in Cabin John Stream Valley (2 lanes)	0.2
11		Elmhirst Parkway in Rock Creek Stream Valley (2 lanes)	0.2
12		Garrett Park Road in Rock Creek Stream Valley (2 lanes)	0.25
14	TOTAL ROAD MILES		14.45
15			
16			
17	BRIDGES		
18	Bridge #	Roadway Name	Crossing
20	MPK-01-1	Little Falls Branch Parkway (N.B.)	Willet Branch
21	MPK-01-2	Little Falls Branch Parkway (S.B.)	Willet Branch
22	MPK-02	Little Falls Branch Parkway	Willet Branch
23	MPK-03	Park Valley Road	Sligo Creek
24	MPK-04	Garrett Park Road	Rock Creek
25	MPK-05	Beach Drive	Rock Creek Tributary
26	MPK-06	Beach Drive	Rock Creek
27	MPK-08	Beach Drive	Rock Creek
28	MPK-09	Beach Drive	Rock Creek
29	MPK-11	Beach Drive	Rock Creek
30	MPK-12	Beach Drive	Rock Creek Tributary
31	MPK-13	Elmhirst Parkway	Rock Creek Tributary
32	MPK-15	Sligo Creek Parkway	Sligo Creek Tributary
33			

A	B	C	D	E	F	G	H	I	J	K	L
Comparison of Road and Bridge Maintenance Budgets Montgomery County DPWT and M-NCPPC											
ROADS											
DPWT CAPITAL BUDGET						M-NCPPC CAPITAL BUDGET					
Activity	PDF Title	PDF #	Miles	Yearly Avg. \$\$	Program Description	PDF Title	PDF #	Miles	Yearly Avg. \$\$	Program Description	
Resurfacing: Primary/Arterial Roads	Resurfacing: Primary/Arterial	508527	911	5.2M	Yearly average for FY05-06. Repair/resurface approx. 20 lane-miles(-10 mile road) per year. Lane marking, shoulder repair, and pedestrian safety improvements.	N/A					
Resurfacing: Rural/Residential Roads	Resurfacing: Rural/Residential Roads	500511	765	2.1M	268 lane miles of rural roads; 2,800 lane miles of residential roads.	N/A					
Guardrail Projects	Guardrail Projects	508113		355K	Replace/repair guardrails. An FY02 study identified 25,668 linear ft. of guardrail to be repaired or replaced.	N/A					
Resurfacing Park Roads						Resurfacing: Park Roads & Bridges	868700	14.5	*	Rehab/renovation of park roads and bridges; replace guardrails.	
DPWT OPERATING BUDGET						M-NCPPC OPERATING BUDGET					
Resurfacing	N/A	N/A		1.5M	Surface treatment of residential roadway infrastructure.	N/A	N/A	14.5	0		
Roadway Maintenance	N/A	N/A		15.66M	Asphalt patching, shoulder maintenance, storm drain maintenance, mowing, clearing, guardrail repair/replacement, streetcleaning, temporary maintenance of curbs, gutters, sidewalks.	N/A	N/A	14.5	0		
* \$575,000/year average funding provides for pavement renovation, drainage improvements, structural and non-structural bridge repairs, and guardrail replacement.											

	A	B	C	D	E	F	G	H	I	J	K	L
Comparison of Road and Bridge Maintenance Budgets Montgomery County DPWT and M-NCPPC												
BRIDGES												
	DPWT CAPITAL BUDGET						M-NCPPC CAPITAL BUDGET					
	Activity	PDF Title	PDF #	# of Structures	Yearly Avg. \$	Program Description	PDF Title	PDF #	# of Structures	Yearly Avg. \$	Program Description	
8	Inspection (bridge spans longer than 20 ft.)			193	\$637K Biennially	37 structures are owned by municipalities. 100% fully paid by Federal Aid.	N/A		13		DPWT Inspects.	
9	Preservation	Bridge Preservation Program	500313	113	\$623K	This project provides for removal of corrosion and installation of protective coatings (paint) on existing County steel bridges that have been identified as needing surface recoating through the Biennial Bridge Inspection Program.	N/A		6	*		
10	Renovation	Bridge Renovation	509753	110	\$470K	This projects provides for bridge work beyond routine maintenance levels to assure continued safe functioning. Renovations may include superstructure items, culvert repairs, paving and deck surfaces, reconstruction of approach roadways, and installation of traffic safety barriers. (\$227K paid by State Aid)	Resurfacing: Park Roads and Bridges	868700	13	*	Rehab/renovation of park roads and bridges.	
11	Design: Rehab./Renov.	Facility Planning: Bridges	509132		\$250K +	Construction will be funded in stand-alone PDF.	N/A				Design and construction for major renovation or replacement will be funded in stand-alone PDF	
12	Construction: Rehab./Renov.	Individual PDFs	various			Stand-alone PDFs	N/A				Stand-alone PDFs	
DPWT OPERATING BUDGET						M-NCPPC OPERATING BUDGET						
15	Short Span Bridge Inspection	N/A	N/A	110	\$78K	Inspection of bridges with spans less than 20 ft. in length.	N/A	N/A	0	0	No funds allocated.	
16	Cyclic Bridge Maint.	N/A	N/A	257	\$168K	Basic maintenance of bridges and box culverts. Remove debris, repaint structures, trim trees, mow banks, repair guardrails, repair/resurface minor asphalt problems, cleaning drainage systems, expansion joints and lubricating expansion bearing assemblies.	N/A	N/A	13	0	No funds allocated.	
* \$575,000/year average funding provides for pavement renovation, drainage improvements, structural and non-structural bridge repairs, and guardrail replacement.												