

City of Hyattsville Transportation Study
Project Recommendations - Planning Level Cost Estimate

Project ID	Project Category	Project Name	Qty/Len(Mi)	Cost Estimate
BB-1	Bike boulevard	Jefferson Street or Gallatin Street Bike Blvd (40th Ave to Trolley Trail)	0.58	\$26,225.38
BB-2	Bike boulevard	Nicholson Street Bike Blvd from Ager Rd to 40th Ave	1.10	\$49,940.00
BB-3	Bike boulevard	Jamestown Road Bike Blvd from Ager Rd to Oliver Rd	0.80	\$36,320.00
BB-4	Bike boulevard	40th/41st Avenue Bike Blvd	1.10	\$49,940.00
BB-5	Bike boulevard	Oglethorpe Street Bike Blvd	0.80	\$36,466.17
BP-1	Bike/Ped Crosssing	NW Branch Trail Crossing at 38th Street (MD 208) south of Gaines Alley	1	\$3,100.00
BP-2	Bike/Ped Crosssing	NW Branch Trail Crossing at Queens Chapel Road (MD 500) south of Jamestown Road	1	\$20,900.00
CC-1	Circulation Change	Gallatin Street two-way conversion	0.24	\$57,561.74
CC-2	Circulation Change	Hamilton Street one-way flip	0.30	\$1,294.89
CC-3	Circulation Change	Circulation Change Implementation	N/A	N/A
I-1	Intersection	Route 1, Route 1-Alt & Hamilton Street Improvement (major)	1	\$1,715,000.00
I-2	Intersection	40th Avenue, Gallatin Street, & Hamilton St. Roundabout	1	\$2,450,000.00
I-3	Intersection	East-West Highway & Toledo Terrace Improvement (major)	1	\$1,715,000.00
I-4	Intersection	East-West Highway, Queens Chapel Road, & Adelphi Rd Improvements (major)	1	\$1,715,000.00
I-5	Intersection	East-West Highway & Belcrest Road improvement (minor)	1	\$420,000.00
I-6	Intersection	East-West Highway, Queens Chapel Road, & Adelphi Rd Improvements (major)	1	\$1,715,000.00
I-7	Intersection	East-West Highway & Route 1 Improvement (minor)	1	\$420,000.00
I-8	Intersection	Queens Chapel Road & Queensbury Road-Belcrest Road (major)	1	\$1,715,000.00
I-9	Intersection	Route 1 and Farragut Street Reconfiguration (major)	1	\$1,715,000.00
I-10	Intersection	Ager Road & Hamilton Street Reconfiguration (major)	1	\$1,715,000.00
MU-1	Multiuse Path	East-West Highway Multiuse Path (Toledo Terrace to 23rd Avenue)	0.60	\$115,560.00
MU-2	Multiuse Path	East-West Highway Multiuse Path (Toledo Terrace to Adelphi Road)	0.70	\$134,820.00
MU-3	Multiuse Path	Northwestern High School Multiuse Trail Connection	0.28	\$54,715.91
NS-1	New street	Toledo Terrace to Heurich Park Road Connection	0.25	\$439,585.98
NS-2	New street	Editors Park Drive Connection from East-West Highway to Toledo Road	0.29	\$494,698.26
NS-3	New street	Freedom Way Connection from Toledo Terrace to Belcrest Road	0.42	\$735,486.40

City of Hyattsville Transportation Study
Project Recommendations - Planning Level Cost Estimate

Project ID	Project Category	Project Name	Qty/Len(Mi)	Cost Estimate
NS-4	New street	39th Avenue extension from Madison Street to Nicholson Street	0.11	\$198,141.74
NS-5	New street	Calverton Drive extension to Dean Drive	0.06	\$118,034.09
NS-6	New street	Oliver Street extension from 43rd Avenue to 42nd Place	0.07	\$114,817.23
NS-7	New street	New street network around the West Hyattsville Metro station	0.85	\$1,472,285.00
NS-8	New street	America Boulevard between East-West Highway and Queens Chapel Road	0.19	\$328,049.24
NS-9	New street	America Boulevard extension from Toledo Road to Belcrest Road	0.24	\$423,183.52
NS-10	New street	Toledo Terrace extension between Belcrest Road and Adelphi Road	0.24	\$421,871.33
NS-11	New street	Sentinel Drive between Editors Park Drive and Prince George's Plaza Metro entrance	0.09	\$152,542.90
PC-1	Pedestrian Crossings	Citywide pedestrian improvements (cost per intersection)	10	\$401,000.00
PP-1	Pedestrian Plaza	33rd Avenue to Editors Park Drive Plaza	1.00	\$6,700.00
PP-2	Pedestrian Plaza	Jamestown Road Plaza	1.00	\$6,700.00
R-1	Reconstruction	Hamilton Street Complete Street Design and Construction	0.60	\$766,080.00
R-2	Reconstruction	Toledo Road Complete Street Design and Construction	0.80	\$1,021,440.00
S-1	Sidewalk installation	East-West Highway to mall at Editors Park Drive	0.14	\$27,123.96
S-2	Sidewalk installation	34th Avenue to Middle School Ped Connection	0.04	\$7,587.12
S-3	Sidewalk installation	38th Avenue Sidewalk from Hamilton St to Northwest Branch Trail	0.25	\$49,809.45
S-4	Sidewalk installation	Oliver Street Ped connection to NO Middle School	0.07	\$13,846.50
S-5	Sidewalk installation	41st Avenue Sidewalk from Nicholson Street to Oglethorpe St	0.05	\$9,977.06
S-6	Sidewalk installation	42nd Place to 42nd Ave Ped Connection near Macaroy Street	0.01	\$2,655.49
S-7	Sidewalk installation	Nicholson St Sidewalk installation	0.08	\$16,501.99
S-8	Sidewalk installation	Oliver Street Sidewalk between 42nd Avenue and 43rd Avenue	0.14	\$28,451.70
SBL-1	Separated Bike lanes	Adelphi Road Protected Bike Lanes	1.40	\$261,380.00
SBL-2	Separated Bike lanes	Belcrest Road Protected Bike Lanes	0.83	\$155,052.94
SBL-3	Separated Bike lanes	Toledo Terrace Protected Bike Lanes	0.60	\$112,408.96
SS-1	Streetscape	Various streets (City Wide)	N/A	N/A
TC-1	Traffic Calming	Revamp the traffic calming program	N/A	N/A

City of Hyattsville Transportation Study
Project Recommendations - Planning Level Cost Estimate

Project ID	Project Category	Project Name	Qty/Len(Mi)	Cost Estimate
TC-2	Traffic Calming	3900 Block of Jefferson Street Traffic Calming	1.00	\$27,800.00
TC-3	Traffic Calming	Queensbury Road Traffic Calming	1.00	\$140,800.00
TS-1	Traffic signal	Ager Road and Lancer Drive Traffic signal	1	\$ 367,500.00
TS-2	Traffic signal	Queens Chapel Road and Nicholson Street Traffic Signal	1	\$ 367,500.00
TS-3	Traffic signal	Ager Road and Nicholson Street Traffic Signal	1	\$ 367,500.00
TS-4	Traffic signal	Queens Chapel Road and Lancer Drive Traffic Signal	1	\$ 367,500.00
TS-5	Traffic signal	East-West Highway and America Boulevard Traffic Signal	1	\$ 367,500.00
TS-6	Traffic signal	Route 1 Alternate and Armentrout Drive Traffic Signal	1	\$ 367,500.00
WF-1	Wayfinding	Wayfinding Overhaul	LS	117342.75

Cost estimates were developed by identifying pay items and establishing rough quantities, including a 35% contingency. Please note that the estimates include approximate costs for asphalt, concrete, drainage improvements, limited utility relocation, pavement markings, signs and traffic signal adjustments. The estimate does not include easement, right-of-way acquisition, environmental permitting or the cost for ongoing maintenance. A 40% contingency has been added for soft costs (engineering, survey, permitting, inspection, etc). A cost has been assigned to some general categories such as utility relocations; however, these costs can vary widely depending on the exact details and nature of the work. The overall estimates are intended to be general and used for planning purposes. Construction costs will vary based on the ultimate project scope (i.e. potential combination of projects), schedule, and economic conditions at the time of construction.

Bike Boulevard (per mile)

Assumes a shared lane marking symbol pair every 200 feet, along with regulatory signs with posts every 1000 feet.

Assumes shared lane marking symbols can be added without the need for modifications to existing roadway pavement markings.

Assumes additional traffic calming project types can be implemented in conjunction with Neighborhood Bikeway.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Regulatory Signs/Posts	EA	5	\$330.00	\$1,742
Bikeway Sign	EA	8	\$420.00	\$3,360
Shared Lane Marking Symbol	EA	53	\$350.00	\$18,480
			Subtotal	\$23,582

Lump Sum Items	\$2,358.24
----------------	------------

Maintenance of Traffic (5%)

Mobilization (5%)

Subtotal	\$25,940.64
-----------------	--------------------

35% Contingency	\$9,079.22
-----------------	------------

40% Project Soft Costs	\$10,376.26
------------------------	-------------

Estimated Total Cost	\$45,400.00
-----------------------------	--------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Bike / Pedestrian Crossing (BP-1)

Assumes installation of standard raised crosswalk DPWT Standard 700.02

Assumes 26' wide, two-lane roadway.

Assume 4 signs per raised crosswalk.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
2" Mill Notch in Existing Pavement	SY	9	5	\$43
2" Hot Mix Asphalt, 9.5mm PG 64-22	SY	35	8	\$277
3" Hot Mix Asphalt, 9.5mm PG 64-23	SY	29	11	\$318
High Visibility Crosswalk	EA	1	2,500	\$2,500
Regulatory Signs/Posts	EA	4	\$330	\$1,320
			Subtotal	\$1,320

Lump Sum Items	\$462.00
----------------	----------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$1,782.00
-----------------	-------------------

35% Contingency	\$623.70
-----------------	----------

40% Project Soft Costs	\$712.80
------------------------	----------

Estimated Total Cost	\$3,100.00
-----------------------------	-------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Bike / Pedestrian Crossing (BP-2)

Assumes installation of standard raised crosswalk DPWT Standard 700.02

Assumes 100' wide crossing with 6 lanes and median refuge.

Assume 4 signs per raised crosswalk.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
2" Mill Notch in Existing Pavement	SY	26	5	\$130
2" Hot Mix Asphalt, 9.5mm PG 64-22	SY	140	8	\$1,120
3" Hot Mix Asphalt, 9.5mm PG 64-23	SY	116	11	\$1,276
High Visibility Crosswalk	EA	2	2,500	\$5,000
Regulatory Signs/Posts	EA	4	\$330	\$1,320
Subtotal				\$8,846

Lump Sum Items	\$3,096.10
----------------	------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$11,942.10
-----------------	--------------------

35% Contingency	\$4,179.74
-----------------	------------

40% Project Soft Costs	\$4,776.84
------------------------	------------

Estimated Total Cost	\$20,900.00
-----------------------------	--------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Circulaton Change (CC-1 per mile)

Assume eradication of existing markings only; repaving not included.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Regulatory Signs/Posts	EA	5	\$330.00	\$1,742
Thermoplastic Yellow Lane Line (4")	LF	5280	\$3.00	\$15,840
Erradicate Ex Pave Mark Symbols	EA	6	\$75.00	\$450
Erradicate Ex linear Pave Markings	LF	5280	\$20.00	\$105,600
Subtotal				\$123,632

Lump Sum Items	\$12,363.24
----------------	--------------------

Maintenance of Traffic (5%)

Mobilization (5%)

Subtotal	\$135,995.64
-----------------	---------------------

35% Contingency	\$47,598.47
-----------------	-------------

40% Project Soft Costs	\$54,398.26
------------------------	-------------

Estimated Total Cost	\$238,000.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Circulation Change (CC-2 per mile)

Assume 5 intersections per mile.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Regulatory Signs/Posts	EA	5	\$330.00	\$1,742
Thermoplastic Stop Bar, 24 inch	LF	80	\$6.00	\$480
Subtotal				\$2,222

Lump Sum Items	\$222.24
----------------	----------

Maintenance of Traffic (5%)

Mobilization (5%)

Subtotal	\$2,444.64
-----------------	-------------------

35% Contingency	\$855.62
-----------------	----------

40% Project Soft Costs	\$977.86
------------------------	----------

Estimated Total Cost	\$4,300.00
-----------------------------	-------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Intersection Reconfiguration (Major)

Assumes major construction to intersection (re-aligning legs, removal of slip lanes, changes in curb and radi, medians, etc)
 Assumes reconstruction of sidewalks and handicap ramps
 Assume lump sum for lighting and traffic signal modifications per intersections.
 Unit prices are based on similar project recommendations

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Major Intersection Reconstruction	EA	1	\$700,000.00	\$700,000
Subtotal				\$700,000

Lump Sum Items	\$280,000.00
----------------	--------------

Drainage/Erosion & Sediment Control (10%)
 Landscaping (5%)
 Maintenance of Traffic (5%)
 Mobilization (10%)
 Utility Adjustments (10%)

Subtotal	\$980,000.00
35% Contingency	\$343,000.00
40% Project Soft Costs	\$392,000.00

Estimated Total Cost	\$1,715,000.00
-----------------------------	-----------------------

Actual costs may vary based on project scope and current market conditions.
 Costs do not include environmental permitting, easement or property acquisition.
 Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.
 Lump sum items includes anticipated work associated with implementation of project type.

Intersection Reconfiguration (Minor)

Assumes only minor construction to curb ramps
 Assumes realignment and space allocation of travel lanes (Pavement Marking)
 Assumes no changes to traffic signals (if applicable) and minimal utility work
 Assume minimal lighting modifications
 Unit prices are based on similar project recommendations

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Minor Intersection Reconfiguration	EA	1	\$200,000.00	\$200,000
Subtotal				\$200,000

Lump Sum Items	\$40,000.00
----------------	-------------

Maintenance of Traffic (5%)
 Mobilization (10%)
 Utility Adjustments (5%)

Subtotal	\$240,000.00
-----------------	---------------------

35% Contingency	\$84,000.00
40% Project Soft Costs	\$96,000.00

Estimated Total Cost	\$420,000.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.
 Costs do not include environmental permitting, easement or property acquisition.
 Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.
 Lump sum items includes anticipated work associated with implementation of project type.

Intersection Reconfiguration (Roundabout)

Assume 100' diameter single lane roundabout

Assume 5 leg intersection

Assumes sidewalk is 5 feet wide

Assume lump sum for lighting and traffic signal modifications per intersections.

Unit prices are based on similar project recommendations

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
100' dia. Single Lane Roundabout	EA	1	\$1,000,000.00	\$1,000,000
Subtotal				\$1,000,000

Lump Sum Items	\$400,000.00
----------------	--------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (10%)

Utility Adjustments (10%)

Subtotal	\$1,400,000.00
-----------------	-----------------------

35% Contingency	\$490,000.00
-----------------	--------------

40% Project Soft Costs	\$560,000.00
------------------------	--------------

Estimated Total Cost	\$2,450,000.00
-----------------------------	-----------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Multuse Path (per mile)

Assumes a 12' wide multiuse path.

Assumes 16' of grading, 1' down.

Assumes standard pavement from Prince George's County Standard DPWT 100.17

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Earthwork/Excavation/Grading	CY	3129	\$10.00	\$31,289
3" Hot Mix Asphalt (12.5mm)	SY	1760	\$11.00	\$19,360
4" Graded Aggregate Subbase	SY	2323	\$5.00	\$11,616
Regulatory Signs/Posts	EA	5	\$330.00	\$1,742
Bike Signs	EA	4	\$420.00	\$1,680
Thermoplastic Yellow 4" (Dashed)	LF	5280	\$3.00	\$15,840
Subtotal				\$81,527

Lump Sum Items	\$28,534.55
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$110,061.84
35% Contingency	\$38,521.64
40% Project Soft Costs	\$44,024.74

Estimated Total Cost	\$192,600.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

New Street (per mile)

Assume 36' wide standard Prince George's County Urban Primary Residential Road.

Assumes one streetlight every 150' per DPW&T Standards

Assumes street trees are included in landscaping contingency.

Unit prices are based on Prince George's County DPWT of MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Subgrade; CBR>7 (12" gravel)	CY	7040	\$ 40.00	\$281,600
6" Graded Aggregate Subbase Course	SY	10560	\$ 7.00	\$73,920
3" Hot Mix Asphalt Base Course; 19mm	SY	5280	\$ 11.00	\$58,080
1-1/2" Intermediate Surface Course; 9.5mm	SY	2640	\$ 6.00	\$15,840
1-1/2" Final Surface Course; 9.5mm	SY	2640	\$ 6.00	\$15,840
Street Lighting: Pendant or Colonial	EA	36	\$ 1,450.00	\$52,200
Thermoplastic White Pavement Marking, 4 inch	LF	10560	\$ 2.00	\$21,120
Thermoplastic Yellow Pavement Marking, 4 inch	LF	10560	\$ 2.00	\$21,120
5" Sidewalk	SF	31680	\$6.00	\$190,080
Subtotal				\$729,800

Lump Sum Items	\$255,430.00
----------------	--------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$989,800.00
-----------------	---------------------

35% Contingency	\$346,430.00
-----------------	--------------

40% Project Soft Costs	\$395,920.00
------------------------	--------------

Estimated Total Cost	\$1,732,100.00
-----------------------------	-----------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

New Street with Bike Lanes (per mile)

Assume 46' wide standard Prince George's County Urban Primary Residential Road.

Assumes one-way, 5' wide bike lanes on either side.

Assumes one streetlight every 150' per DPW&T Standards

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Subgrade; CBR>7 (12" of gravel)	CY	8,996	\$ 40.00	\$359,822
6" Graded Aggregate Subbase Course	SY	13,493	\$ 7.00	\$94,453
3" Hot Mix Asphalt Base Course; 19mm	SY	6,747	\$ 11.00	\$74,213
1-1/2" Intermediate Surface Course; 9.5mm	SY	3,373	\$ 6.00	\$20,240
1-1/2" Final Surface Course; 9.5mm	SY	3,373	\$ 6.00	\$20,240
Street Lighting: Pendant or Colonial	EA	36	\$ 1,450.00	\$52,200
Thermoplastic White Pavement Marking, 4 inch	LF	21,120	\$ 2.00	\$42,240
Thermoplastic Yellow Pavement Marking, 4 inch	LF	10,560	\$ 2.00	\$21,120
Bicycle Lane Symbol	EA	10	\$ 250.00	\$2,500
5" Sidewalk	SF	31,680	\$6.00	\$190,080
Subtotal				\$877,109

Lump Sum Items	\$306,988.11
----------------	--------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$1,187,108.89
-----------------	-----------------------

35% Contingency	\$415,488.11
-----------------	--------------

40% Project Soft Costs	\$474,843.55
------------------------	--------------

Estimated Total Cost	\$2,077,400.00
-----------------------------	-----------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Pedestrian Crossings (per intersection)

Assume 6 foot wide by 20 feet long by 6 inch depth per curb extension.

Assume 35 feet of 24" curb and gutter on each curb extension

Assumes sidewalk is 5 feet wide by 20 feet long and 4 inches deep.

Assume one ADA-compliant curb ramp (Type A) per curb extension.

Assumes standard pedestrian crosswalk at all legs of 4-leg intersection.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Earthwork/Excavation/Grading	CY	9	\$10.00	\$90
Remove Pavement	SY	60	\$4.00	\$240
Remove curb and gutter	LF	100	\$4.00	\$400
Remove sidewalk	LF	80	\$2.00	\$160
Concrete sidewalk 4"	LF	80	\$20.00	\$1,600
Concrete Curb & Gutter	LF	140	\$15.00	\$2,100
ADA-compliant ramp (type Ramp A)	EA	4	\$600.00	\$2,400
Standard high-visibility Pedestrian Crosswalk	EA	4	\$ 2,500.00	\$10,000
Subtotal				\$16,990

Lump Sum Items	\$5,946.50
----------------	------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$22,936.50
35% Contingency	\$8,027.78
40% Project Soft Costs	\$9,174.60

Estimated Total Cost	\$40,100.00
-----------------------------	--------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Pedestrian Plaza

Assumes decorative pavers, grading and signs

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Signs/Posts	EA	2	\$330.00	\$660
Concrete removal	SF	100	\$2.00	\$200
Mild Grading	EA	1	\$1,000.00	\$1,000
Concrete Pavers	SF	100	\$18.00	\$1,800
Subtotal				\$3,660

Lump Sum Items	\$183.00
----------------	----------

Mobilization (5%)

Subtotal	\$3,843.00
-----------------	-------------------

35% Contingency	\$1,345.05
-----------------	------------

40% Project Soft Costs	\$1,537.20
------------------------	------------

Estimated Total Cost	\$6,700.00
-----------------------------	-------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Reconstruction- Complete Street (per mile)

Assume road diet and bike lanes

Assumes one-way, 5' wide bike lanes on either side.

Assumes one streetlight every 150' per DPW&T Standards

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Street Lighting: Pendant or Colonial	EA	36	\$1,450	\$52,200
Thermoplastic White Pavement Marking, 4 inch	LF	21120	\$2	\$42,240
Thermoplastic Yellow Pavement Marking, 4 inch	LF	10560	\$2	\$21,120
Bicycle Lane Symbol	EA	10	\$250	\$2,500
8' Sidewalk with concrete pavers	LF	10560	\$40	\$422,400
Subtotal				\$540,460

Lump Sum Items	\$189,161
----------------	-----------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$729,621
-----------------	------------------

35% Contingency \$255,367

40% Project Soft Costs \$291,848

Estimated Total Cost	\$1,276,800
-----------------------------	--------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Sidewalk Installation (per mile)

Assume concrete sidewalk is a minimum 5 feet wide and 4 inches in depth.

Assumes no right of way acquisition.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Concrete Sidewalk	LF	5280	\$16.00	\$84,480
Subtotal				\$84,480

Lump Sum Items	\$29,568.00
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$114,480.00
-----------------	---------------------

35% Contingency	\$40,068.00
-----------------	-------------

40% Project Soft Costs	\$45,792.00
------------------------	-------------

Estimated Total Cost	\$200,300.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Separated Bike Lanes (per mile)

Assume flexposts and pavement markings to create bike lane protection.

Assumes diagonal pavement marking buffer with flex posts; 20' o.c.

Assumes one-way, 5' wide bike lanes on either side with 2' painted buffer.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Thermoplastic White Pavement Marking, 4 inch	LF	14784	\$ 2.00	\$29,568
Thermoplastic White Pavement Marking, 5 inch	LF	10560	\$ 3.00	\$31,680
Regulatory Signs	EA	5	\$ 330.00	\$1,650
Bikeway Signs	EA	8	\$ 420.00	\$3,360
Flexible Delineators	EA	264	\$ 30.00	\$7,920
Bicycle Lane Symbol	EA	10	\$ 250.00	\$2,500
Subtotal				\$76,678

Lump Sum Items	\$26,837.30
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$106,678.00
-----------------	---------------------

35% Contingency	\$37,337.30
-----------------	-------------

40% Project Soft Costs	\$42,671.20
------------------------	-------------

Estimated Total Cost	\$186,700.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Traffic Calming (TC-1)

Assume 4 legged intersections.

Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Traffic Signal - 4 Legged Intersection	EA	1	\$150,000.00	\$150,000
Subtotal				\$150,000

Lump Sum Items	\$52,500.00
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$210,000.00
-----------------	---------------------

35% Contingency	\$73,500.00
-----------------	-------------

40% Project Soft Costs	\$84,000.00
------------------------	-------------

Estimated Total Cost	\$367,500.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Traffic Calming (TC-2)

Assume 3-legged intersection and two curb extensions
 Curb Extensions at the intersection of 38th Street and Jefferson Street.
 Assume 6 foot wide by 20 feet long by 6 inch depth per curb extension.
 Assume 35 feet of curb and gutter.
 Assumes sidewalk is 5 feet wide by 20 feet long and 4 inches deep.
 Assume one ADA-compliant curb ramp per curb extension.
 Unit prices are based on Prince George's County DPWT or MSHA

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Pavement Removal	SY	27	4	\$108
Earthwork/Excavation/Grading	EA	1	\$3,000.00	\$3,000
Subbase	SY	27	\$7.00	\$189
Concrete sidewalk 4"	LF	40	\$20.00	\$800
Concrete Curb & Gutter	LF	70	\$15.00	\$1,050
ADA-compliant ramp	EA	2	\$600.00	\$1,200
Landscape modifications	LS	1	\$5,000.00	\$5,000
			Subtotal	\$11,347

Lump Sum Items	\$4,538.80
----------------	------------

Drainage/Erosion & Sediment Control (10%)
 Landscaping (5%)
 Maintenance of Traffic (5%)
 Mobilization (10%)
 Utility Adjustments (10%)

Subtotal	\$15,885.80
35% Contingency	\$5,560.03
40% Project Soft Costs	\$6,354.32

Estimated Total Cost	\$27,800.00
-----------------------------	--------------------

Actual costs may vary based on project scope and current market conditions.
 Costs do not include environmental permitting, easement or property acquisition.
 Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.
 Lump sum items includes anticipated work associated with implementation of project type.

Traffic Calming (TC-3)

Assumes 4 curb extensions, two concrete islands and two neighborhood mini circles

Assume 6 foot wide by 20 feet long by 6 inch depth per curb extension.

Assume 35 feet of curb and gutter.

Assumes sidewalk is 5 feet wide by 20 feet long and 4 inches deep.

Assume one ADA-compliant curb ramp per curb extension.

Assume concrete islands are 120 SF or smaller

Neighborhood mini circle assumes 4 way intersection, a concrete circle 16' diameter and all associated pavement markings and signage

Unit prices are based on Prince George's County DPWT, MSHA or similar project information

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Pavement Removal	SY	54	\$4.00	\$216
Earthwork/Excavation/Grading	EA	1	\$5,000.00	\$5,000
Subbase	SY	54	\$7.00	\$378
Concrete sidewalk 4"	LF	80	\$20.00	\$1,600
Concrete Curb & Gutter	LF	140	\$15.00	\$2,100
ADA-compliant ramp	EA	4	\$600.00	\$2,400
Concrete Islands (2)	SY	13	\$60.00	\$780
Neighborhood Mini Circle	EA	2	\$20,000.00	\$40,000
Landscape modifications	LS	1	\$5,000.00	\$5,000
			Subtotal	\$57,474

Lump Sum Items	\$22,989.60
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (10%)

Utility Adjustments (10%)

Subtotal	\$80,463.60
-----------------	--------------------

35% Contingency	\$28,162.26
-----------------	-------------

40% Project Soft Costs	\$32,185.44
------------------------	-------------

Estimated Total Cost	\$140,800.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Traffic Signal

Assume 4 legged intersections.

Unit prices are based on similar projects

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Traffic Signal - 4 Legged Intersection	EA	1	\$150,000.00	\$150,000
Subtotal				\$150,000

Lump Sum Items	\$52,500.00
----------------	-------------

Drainage/Erosion & Sediment Control (10%)

Landscaping (5%)

Maintenance of Traffic (5%)

Mobilization (5%)

Utility Adjustments (10%)

Subtotal	\$210,000.00
-----------------	---------------------

35% Contingency	\$73,500.00
-----------------	-------------

40% Project Soft Costs	\$84,000.00
------------------------	-------------

Estimated Total Cost	\$367,500.00
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Costs do not include environmental permitting, easement or property acquisition.

Project Soft Costs assume engineering, surveying, permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Wayfinding

Unit prices are based on MDSHA Historic Pricing Data and fabricator estimates.

Item	Unit	Quantity	Unit Cost	Opinion of Probable Construction Costs
Bicycle Wayfinding	EA	88	\$ 125	\$11,000
Vehicle Wayfinding	EA	32	\$ 250	\$8,000
2" Square Metal Post (Furnish and Install)	EA	88	\$ 100	\$8,800
5" Square Metal Post (Furnish and Install)	EA	64	\$ 200	\$12,800
Pedestrian Kiosk	EA	5	\$ 4,500	\$22,500
Kiosk Installation (Per Kiosk)	EA	5	\$ 1,800	\$9,000
Subtotal				\$72,100

Lump Sum Items	\$3,605.00
----------------	------------

Mobilization (5%)

Subtotal	\$75,705.00
-----------------	--------------------

35% Contingency	\$26,496.75
-----------------	-------------

20% Project Soft Costs	\$15,141.00
------------------------	-------------

Estimated Total Cost	\$117,342.75
-----------------------------	---------------------

Actual costs may vary based on project scope and current market conditions.

Project Soft Costs include permitting, project management, and inspection services.

Lump sum items includes anticipated work associated with implementation of project type.

Note: Fabrication costs and end product can vary widely based upon materials and production methods chosen. For the pedestrian kiosk, different printing materials for the maps such as a layer of vinyl with a UV clear coat could be more expensive than paint directly on aluminum, but may appear brighter or last longer. Another example of material decisions that could affect costs include whether to leave the kiosk base as concrete with an architectural finish or to complete it with an aluminum skirt. Additionally, different construction methods such as fabricating the kiosk as one "box" piece may be more economical, but may not allow for easy updates of the map panel in the future. Toole Design suggests working more closely with a sign fabricator to find the right final product and associated cost desired by the City of Hyattsville. Costs are an estimate and could vary beyond this range.