

**M-NCPPC Northern Gateway SPACES PAMC Project
 MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
 Overall Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 440,000.00	\$ 440,000.00
		CATEGORY 1=				\$ 440,000.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION	1,105	CY	\$ 30.00	\$ 33,150.00
	202065	COMMON BORROW	950	CY	\$ 25.00	\$ 23,750.00
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER	3,250	LF	\$ 15.00	\$ 48,750.00
	210019	SAW CUTS	6,700	LF	\$ 2.00	\$ 13,400.00
	210026	REMOVAL OF EXISTING SIDEWALK	170	CY	\$ 125.00	\$ 21,250.00
		CATEGORY 2=				\$ 140,300.00
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 616,000.00	\$ 616,000.00
						\$ 616,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT	9,560	SF	\$ 20.00	\$ 191,200.00
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2	9,415	TON	\$ 75.00	\$ 706,125.00
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2	160	TON	\$ 125.00	\$ 20,000.00
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH	13,805	SY	\$ 6.00	\$ 82,830.00
	520113	6 INCH GRADED AGGREGATE BASE COURSE	1,700	SY	\$ 12.00	\$ 20,400.00
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	49,130	LF	\$ 1.20	\$ 58,956.00
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	19,425	LF	\$ 1.40	\$ 27,195.00
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	25	LF	\$ 12.50	\$ 312.50
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	8,320	LF	\$ 15.00	\$ 124,800.00
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	870	SF	\$ 20.00	\$ 17,400.00
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	420	SF	\$ 30.00	\$ 12,600.00
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS	270	EA	\$ 40.00	\$ 10,800.00
		CATEGORY 5=				\$ 1,272,618.50
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM	4,065	LF	\$ 25.00	\$ 101,625.00
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH	3,890	LF	\$ 32.00	\$ 124,480.00
	655105	5 INCH CONCRETE SIDEWALK	14,130	SF	\$ 8.00	\$ 113,040.00
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS	150	SF	\$ 35.00	\$ 5,250.00
		CATEGORY 6=				\$ 344,395.00
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET	1	LS	\$ 750,000.00	\$ 750,000.00
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE	720	LF	\$ 400.00	\$ 288,000.00
	700000	INTERSECTION ENHANCEMENTS - RIGGS	1	LS	\$ 65,000.00	\$ 65,000.00
	700000	INTERSECTION ENHANCEMENTS - ADELPHI	6	EA	\$ 7,500.00	\$ 45,000.00
	700000	SITE CLEAN UP	1,518	CY	\$ 25.00	\$ 37,950.00
	700000	FILL MATERIAL	1,477	CY	\$ 35.00	\$ 51,695.00
	700000	SHADE TREE	2	EA	\$ 600.00	\$ 1,200.00
	700000	MINOR SHADE TREE	9	EA	\$ 400.00	\$ 3,600.00
	700000	FLOWERING TREE	121	EA	\$ 200.00	\$ 24,200.00
	700000	GROUND COVER	826	FLAT	\$ 120.00	\$ 99,120.00
	700000	BULBS (260 PER PLANT BOX)	344	EA	\$ 150.00	\$ 51,600.00

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Overall Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL	1	EA	\$ 1,500.00	\$ 1,500.00
	700000	BENCH	2	EA	\$ 1,500.00	\$ 3,000.00
	700000	GABION WALL	70	LF	\$ 500.00	\$ 35,000.00
	700000	GABION WALL 8' BENCH SEGMENT	24	LF	\$ 800.00	\$ 19,200.00
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH	3,300	SY	\$ 35.00	\$ 115,500.00
		CATEGORY 7=				\$ 1,591,565.00
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES	115	EA	\$ 10,000.00	\$ 1,150,000.00
	800000	TRAFFIC SIGNAL MODIFICATION	8	EA	\$ 65,000.00	\$ 520,000.00
	800000	NEW PEDESTRIAN SIGNAL	3	EA	\$ 250,000.00	\$ 750,000.00
	800000	SIGNING	1	LS	\$ 20,000.00	\$ 20,000.00
	800000	UTILITY RELOCATION	1	LS	\$ 105,000.00	\$ 105,000.00
		CATEGORY 8=				\$ 2,545,000.00
SUBTOTAL						\$ 6,949,878.50
CONTINGENGY					25.0%	\$ 1,737,469.63
TOTAL PROJECT COST						\$ 8,687,348.13

**M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Buffered Bike Lanes Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 73,500.00	\$ 73,500.00
		CATEGORY 1=				\$ 73,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION		CY	\$ 30.00	\$ -
	202065	COMMON BORROW		CY	\$ 25.00	\$ -
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER		LF	\$ 15.00	\$ -
	210019	SAW CUTS		LF	\$ 2.00	\$ -
	210026	REMOVAL OF EXISTING SIDEWALK		CY	\$ 125.00	\$ -
		CATEGORY 2=				\$ -
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 103,000.00	\$ 103,000.00
						\$ 103,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT	9,560	SF	\$ 20.00	\$ 191,200.00
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2	9,320	TON	\$ 75.00	\$ 699,000.00
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2		TON	\$ 125.00	\$ -
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH	13,805	SY	\$ 6.00	\$ 82,830.00
	520113	6 INCH GRADED AGGREGATE BASE COURSE		SY	\$ 12.00	\$ -
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	49,130	LF	\$ 1.20	\$ 58,956.00
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	19,425	LF	\$ 1.40	\$ 27,195.00
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	25	LF	\$ 12.50	\$ 312.50
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	7,675	LF	\$ 15.00	\$ 115,125.00
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS	870	SF	\$ 20.00	\$ 17,400.00
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW	420	SF	\$ 30.00	\$ 12,600.00
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS	270	EA	\$ 40.00	\$ 10,800.00
		CATEGORY 5=				\$ 1,215,418.50
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		LF	\$ 25.00	\$ -
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		LF	\$ 32.00	\$ -
	655105	5 INCH CONCRETE SIDEWALK		SF	\$ 8.00	\$ -
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS		SF	\$ 35.00	\$ -
		CATEGORY 6=				\$ -
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET		LS	\$ 750,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE		LF	\$ 400.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - RIGGS		LS	\$ 65,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - ADELPHI		EA	\$ 7,500.00	\$ -
	700000	SITE CLEAN UP		CY	\$ 25.00	\$ -
	700000	FILL MATERIAL		CY	\$ 35.00	\$ -
	700000	SHADE TREE		EA	\$ 600.00	\$ -
	700000	MINOR SHADE TREE		EA	\$ 400.00	\$ -
	700000	FLOWERING TREE		EA	\$ 200.00	\$ -
	700000	GROUND COVER		FLAT	\$ 120.00	\$ -
	700000	BULBS (260 PER PLANT BOX)		EA	\$ 150.00	\$ -

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Buffered Bike Lanes Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL		EA	\$ 1,500.00	\$ -
	700000	BENCH		EA	\$ 1,500.00	\$ -
	700000	GABION WALL		LF	\$ 500.00	\$ -
	700000	GABION WALL 8' BENCH SEGMENT		LF	\$ 800.00	\$ -
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH		SY	\$ 35.00	\$ -
		CATEGORY 7=				\$ -
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES		EA	\$ 10,000.00	\$ -
	800000	TRAFFIC SIGNAL MODIFICATION	3	EA	\$ 65,000.00	\$ 195,000.00
	800000	NEW PEDESTRIAN SIGNAL		EA	\$ 250,000.00	\$ -
	800000	SIGNING	1	LS	\$ 20,000.00	\$ 20,000.00
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 232,500.00
SUBTOTAL						\$ 1,624,418.50
CONTINGENY					25.0%	\$ 406,104.63
TOTAL PROJECT COST						\$ 2,030,523.13

**M-NCPPC Northern Gateway SPACES PAMC Project
 MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
 Driveway Consolidation Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 73,500.00	\$ 73,500.00
		CATEGORY 1=				\$ 73,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION	655	CY	\$ 30.00	\$ 19,650.00
	202065	COMMON BORROW	680	CY	\$ 25.00	\$ 17,000.00
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER	2,700	LF	\$ 15.00	\$ 40,500.00
	210019	SAW CUTS	3,300	LF	\$ 2.00	\$ 6,600.00
	210026	REMOVAL OF EXISTING SIDEWALK	95	CY	\$ 125.00	\$ 11,875.00
		CATEGORY 2=				\$ 95,625.00
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 102,000.00	\$ 102,000.00
						\$ 102,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT		SF	\$ 20.00	\$ -
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2		TON	\$ 75.00	\$ -
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2		TON	\$ 125.00	\$ -
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH		SY	\$ 6.00	\$ -
	520113	6 INCH GRADED AGGREGATE BASE COURSE	1,145	SY	\$ 12.00	\$ 13,740.00
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.20	\$ -
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.40	\$ -
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 12.50	\$ -
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 15.00	\$ -
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS		SF	\$ 20.00	\$ -
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW		SF	\$ 30.00	\$ -
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS		EA	\$ 40.00	\$ -
		CATEGORY 5=				\$ 13,740.00
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		LF	\$ 25.00	\$ -
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH	3,280	LF	\$ 32.00	\$ 104,960.00
	655105	5 INCH CONCRETE SIDEWALK	9,485	SF	\$ 8.00	\$ 75,880.00
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS		SF	\$ 35.00	\$ -
		CATEGORY 6=				\$ 180,840.00
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET		LS	\$ 750,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE		LF	\$ 400.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - RIGGS		LS	\$ 65,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - ADELPHI		EA	\$ 7,500.00	\$ -
	700000	SITE CLEAN UP		CY	\$ 25.00	\$ -
	700000	FILL MATERIAL		CY	\$ 35.00	\$ -
	700000	SHADE TREE		EA	\$ 600.00	\$ -
	700000	MINOR SHADE TREE		EA	\$ 400.00	\$ -
	700000	FLOWERING TREE		EA	\$ 200.00	\$ -
	700000	GROUND COVER		FLAT	\$ 120.00	\$ -
	700000	BULBS (260 PER PLANT BOX)		EA	\$ 150.00	\$ -

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Driveway Consolidation Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPICAL		EA	\$ 1,500.00	\$ -
	700000	BENCH		EA	\$ 1,500.00	\$ -
	700000	GABION WALL		LF	\$ 500.00	\$ -
	700000	GABION WALL 8' BENCH SEGMENT		LF	\$ 800.00	\$ -
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH		SY	\$ 35.00	\$ -
		CATEGORY 7=				\$ -
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES		EA	\$ 10,000.00	\$ -
	800000	TRAFFIC SIGNAL MODIFICATION	1	EA	\$ 65,000.00	\$ 65,000.00
	800000	NEW PEDESTRIAN SIGNAL		EA	\$ 250,000.00	\$ -
	800000	SIGNING		LS	\$ 20,000.00	\$ -
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 82,500.00
SUBTOTAL						\$ 548,205.00
CONTINGENY					25.0%	\$ 137,051.25
TOTAL PROJECT COST						\$ 685,256.25

**M-NCPPC Northern Gateway SPACES PAMC Project
 MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
 Eliminating Free Right Turns Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 73,500.00	\$ 73,500.00
		CATEGORY 1=				\$ 73,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION	450	CY	\$ 30.00	\$ 13,500.00
	202065	COMMON BORROW	270	CY	\$ 25.00	\$ 6,750.00
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER	445	LF	\$ 15.00	\$ 6,675.00
	210019	SAW CUTS	1,070	LF	\$ 2.00	\$ 2,140.00
	210026	REMOVAL OF EXISTING SIDEWALK	65	CY	\$ 125.00	\$ 8,125.00
		CATEGORY 2=				\$ 37,190.00
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 103,000.00	\$ 103,000.00
						\$ 103,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT		SF	\$ 20.00	\$ -
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2	95	TON	\$ 75.00	\$ 7,125.00
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2	160	TON	\$ 125.00	\$ 20,000.00
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH		SY	\$ 6.00	\$ -
	520113	6 INCH GRADED AGGREGATE BASE COURSE	555	SY	\$ 12.00	\$ 6,660.00
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.20	\$ -
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.40	\$ -
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 12.50	\$ -
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 15.00	\$ -
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS		SF	\$ 20.00	\$ -
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW		SF	\$ 30.00	\$ -
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS		EA	\$ 40.00	\$ -
		CATEGORY 5=				\$ 33,785.00
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM	145	LF	\$ 25.00	\$ 3,625.00
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH	550	LF	\$ 32.00	\$ 17,600.00
	655105	5 INCH CONCRETE SIDEWALK	3,995	SF	\$ 8.00	\$ 31,960.00
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS	90	SF	\$ 35.00	\$ 3,150.00
		CATEGORY 6=				\$ 56,335.00
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET		LS	\$ 750,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE		LF	\$ 400.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - RIGGS		LS	\$ 65,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - ADELPHI		EA	\$ 7,500.00	\$ -
	700000	SITE CLEAN UP		CY	\$ 25.00	\$ -
	700000	FILL MATERIAL		CY	\$ 35.00	\$ -
	700000	SHADE TREE		EA	\$ 600.00	\$ -
	700000	MINOR SHADE TREE		EA	\$ 400.00	\$ -
	700000	FLOWERING TREE		EA	\$ 200.00	\$ -
	700000	GROUND COVER		FLAT	\$ 120.00	\$ -
	700000	BULBS (260 PER PLANT BOX)		EA	\$ 150.00	\$ -

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Eliminating Free Right Turns Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL		EA	\$ 1,500.00	\$ -
	700000	BENCH		EA	\$ 1,500.00	\$ -
	700000	GABION WALL		LF	\$ 500.00	\$ -
	700000	GABION WALL 8' BENCH SEGMENT		LF	\$ 800.00	\$ -
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH		SY	\$ 35.00	\$ -
		CATEGORY 7=				\$ -
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES		EA	\$ 10,000.00	\$ -
	800000	TRAFFIC SIGNAL MODIFICATION	2	EA	\$ 65,000.00	\$ 130,000.00
	800000	NEW PEDESTRIAN SIGNAL		EA	\$ 250,000.00	\$ -
	800000	SIGNING		LS	\$ 20,000.00	\$ -
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 147,500.00
SUBTOTAL						\$ 451,310.00
CONTINGENY					25.0%	\$ 112,827.50
TOTAL PROJECT COST						\$ 564,137.50

**M-NCPPC Northern Gateway SPACES PAMC Project
 MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
 Midblock Crossings Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 73,500.00	\$ 73,500.00
		CATEGORY 1=				\$ 73,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION		CY	\$ 30.00	\$ -
	202065	COMMON BORROW		CY	\$ 25.00	\$ -
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER	105	LF	\$ 15.00	\$ 1,575.00
	210019	SAW CUTS	90	LF	\$ 2.00	\$ 180.00
	210026	REMOVAL OF EXISTING SIDEWALK	10	CY	\$ 125.00	\$ 1,250.00
		CATEGORY 2=				\$ 3,005.00
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 103,000.00	\$ 103,000.00
						\$ 103,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT		SF	\$ 20.00	\$ -
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2		TON	\$ 75.00	\$ -
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2		TON	\$ 125.00	\$ -
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH		SY	\$ 6.00	\$ -
	520113	6 INCH GRADED AGGREGATE BASE COURSE		SY	\$ 12.00	\$ -
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.20	\$ -
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.40	\$ -
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 12.50	\$ -
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES	645	LF	\$ 15.00	\$ 9,675.00
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS		SF	\$ 20.00	\$ -
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW		SF	\$ 30.00	\$ -
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS		EA	\$ 40.00	\$ -
		CATEGORY 5=				\$ 9,675.00
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		LF	\$ 25.00	\$ -
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH	60	LF	\$ 32.00	\$ 1,920.00
	655105	5 INCH CONCRETE SIDEWALK	650	SF	\$ 8.00	\$ 5,200.00
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS	60	SF	\$ 35.00	\$ 2,100.00
		CATEGORY 6=				\$ 9,220.00
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET		LS	\$ 750,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE		LF	\$ 400.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - RIGGS		LS	\$ 65,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - ADELPHI		EA	\$ 7,500.00	\$ -
	700000	SITE CLEAN UP		CY	\$ 25.00	\$ -
	700000	FILL MATERIAL		CY	\$ 35.00	\$ -
	700000	SHADE TREE		EA	\$ 600.00	\$ -
	700000	MINOR SHADE TREE		EA	\$ 400.00	\$ -
	700000	FLOWERING TREE		EA	\$ 200.00	\$ -
	700000	GROUND COVER		FLAT	\$ 120.00	\$ -
	700000	BULBS (260 PER PLANT BOX)		EA	\$ 150.00	\$ -

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Midblock Crossings Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL		EA	\$ 1,500.00	\$ -
	700000	BENCH		EA	\$ 1,500.00	\$ -
	700000	GABION WALL		LF	\$ 500.00	\$ -
	700000	GABION WALL 8' BENCH SEGMENT		LF	\$ 800.00	\$ -
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH		SY	\$ 35.00	\$ -
		CATEGORY 7=				\$ -
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES		EA	\$ 10,000.00	\$ -
	800000	TRAFFIC SIGNAL MODIFICATION	2	EA	\$ 65,000.00	\$ 130,000.00
	800000	NEW PEDESTRIAN SIGNAL	3	EA	\$ 250,000.00	\$ 750,000.00
	800000	SIGNING		LS	\$ 20,000.00	\$ -
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 897,500.00
SUBTOTAL						\$ 1,095,900.00
CONTINGENY					25.0%	\$ 273,975.00
TOTAL PROJECT COST						\$ 1,369,875.00

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Landscaping Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 73,500.00	\$ 73,500.00
		CATEGORY 1=				\$ 73,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION		CY	\$ 30.00	\$ -
	202065	COMMON BORROW		CY	\$ 25.00	\$ -
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER		LF	\$ 15.00	\$ -
	210019	SAW CUTS	2,240	LF	\$ 2.00	\$ 4,480.00
	210026	REMOVAL OF EXISTING SIDEWALK		CY	\$ 125.00	\$ -
		CATEGORY 2=				\$ 4,480.00
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 103,000.00	\$ 103,000.00
						\$ 103,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT		SF	\$ 20.00	\$ -
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2		TON	\$ 75.00	\$ -
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2		TON	\$ 125.00	\$ -
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH		SY	\$ 6.00	\$ -
	520113	6 INCH GRADED AGGREGATE BASE COURSE		SY	\$ 12.00	\$ -
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.20	\$ -
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.40	\$ -
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 12.50	\$ -
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 15.00	\$ -
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS		SF	\$ 20.00	\$ -
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW		SF	\$ 30.00	\$ -
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS		EA	\$ 40.00	\$ -
		CATEGORY 5=				\$ -
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM	3,920	LF	\$ 25.00	\$ 98,000.00
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		LF	\$ 32.00	\$ -
	655105	5 INCH CONCRETE SIDEWALK		SF	\$ 8.00	\$ -
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS		SF	\$ 35.00	\$ -
		CATEGORY 6=				\$ 98,000.00
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET	1	LS	\$ 750,000.00	\$ 750,000.00
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE	720	LF	\$ 400.00	\$ 288,000.00
	700000	INTERSECTION ENHANCEMENTS - RIGGS	1	LS	\$ 65,000.00	\$ 65,000.00
	700000	INTERSECTION ENHANCEMENTS - ADELPHI	6	EA	\$ 7,500.00	\$ 45,000.00
	700000	SITE CLEAN UP	1,518	CY	\$ 25.00	\$ 37,950.00
	700000	FILL MATERIAL	1,477	CY	\$ 35.00	\$ 51,695.00
	700000	SHADE TREE	2	EA	\$ 600.00	\$ 1,200.00
	700000	MINOR SHADE TREE	9	EA	\$ 400.00	\$ 3,600.00
	700000	FLOWERING TREE	121	EA	\$ 200.00	\$ 24,200.00
	700000	GROUND COVER	826	FLAT	\$ 120.00	\$ 99,120.00
	700000	BULBS (260 PER PLANT BOX)	344	EA	\$ 150.00	\$ 51,600.00

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Landscaping Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL	1	EA	\$ 1,500.00	\$ 1,500.00
	700000	BENCH	2	EA	\$ 1,500.00	\$ 3,000.00
	700000	GABION WALL	70	LF	\$ 500.00	\$ 35,000.00
	700000	GABION WALL 8' BENCH SEGMENT	24	LF	\$ 800.00	\$ 19,200.00
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH	3,300	SY	\$ 35.00	\$ 115,500.00
		CATEGORY 7=				\$ 1,591,565.00
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES		EA	\$ 10,000.00	\$ -
	800000	TRAFFIC SIGNAL MODIFICATION		EA	\$ 65,000.00	\$ -
	800000	NEW PEDESTRIAN SIGNAL		EA	\$ 250,000.00	\$ -
	800000	SIGNING		LS	\$ 20,000.00	\$ -
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 17,500.00
SUBTOTAL						\$ 1,888,045.00
CONTINGENY					25.0%	\$ 472,011.25
TOTAL PROJECT COST						\$ 2,360,056.25

**M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Pedestrian Lighting Construction Cost Estimate - 30% Design**

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
CATEGORY 1 - PRELIMINARY						
	100000	MAINTENANCE OF TRAFFIC	1	LS	\$ 72,500.00	\$ 72,500.00
		CATEGORY 1=				\$ 72,500.00
CATEGORY 2 - GRADING						
	201032	CLASS 2 EXCAVATION		CY	\$ 30.00	\$ -
	202065	COMMON BORROW		CY	\$ 25.00	\$ -
	210011	REMOVAL OF EXISTING COMBINATION CURB & GUTTER		LF	\$ 15.00	\$ -
	210019	SAW CUTS		LF	\$ 2.00	\$ -
	210026	REMOVAL OF EXISTING SIDEWALK		CY	\$ 125.00	\$ -
		CATEGORY 2=				\$ -
CATEGORY 3 - DRAINAGE						
	300000	DRAINAGE MODIFICATIONS	1	LS	\$ 102,000.00	\$ 102,000.00
						\$ 102,000.00
CATEGORY 5 - PAVING						
	500000	GREEN PAVEMENT		SF	\$ 20.00	\$ -
	504538	SUPERPAVE ASPHALT MIX 12.5MM FOR SURFACE, HDFV, PG 64S-22, LEVEL 2		TON	\$ 75.00	\$ -
	504560	SUPERPAVE ASPHALT MIX 19.0MM FOR BASE, PG 64S-22, LEVEL 2		TON	\$ 125.00	\$ -
	508003	STANDARD MILLING ASPHALT PAVEMENT OVER 1 INCH TO 2.5 INCH DEPTH		SY	\$ 6.00	\$ -
	520113	6 INCH GRADED AGGREGATE BASE COURSE		SY	\$ 12.00	\$ -
	549601	5 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.20	\$ -
	549603	5 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 1.40	\$ -
	549613	15 INCH YELLOW PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 12.50	\$ -
	549617	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES		LF	\$ 15.00	\$ -
	549620	WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LEGENDS AND SYMBOLS		SF	\$ 20.00	\$ -
	549622	BIKE LANE PREFORMED THERMOPLASTIC PAVEMENT MARKING WITH ARROW		SF	\$ 30.00	\$ -
	549702	SNOWPLOWABLE RAISED PAVEMENT MARKER WITH STEEL HOLDER AND ONE WAY LENS		EA	\$ 40.00	\$ -
		CATEGORY 5=				\$ -
CATEGORY 6 - SHOULDERS						
	634101	STANDARD TYPE A CURB 8 INCH X 16 INCH MINIMUM		LF	\$ 25.00	\$ -
	634301	STANDARD TYPE A COMBINATION CURB AND GUTTER 12 INCH GUTTER PAN 8 INCH MINIMUM DEPTH		LF	\$ 32.00	\$ -
	655105	5 INCH CONCRETE SIDEWALK		SF	\$ 8.00	\$ -
	655120	DETECTABLE WARNING SURFACE FOR CURB RAMPS		SF	\$ 35.00	\$ -
		CATEGORY 6=				\$ -
CATEGORY 7 - LANDSCAPING						
	700000	PARK BUDGET		LS	\$ 750,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - NEW HAMPSHIRE		LF	\$ 400.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - RIGGS		LS	\$ 65,000.00	\$ -
	700000	INTERSECTION ENHANCEMENTS - ADELPHI		EA	\$ 7,500.00	\$ -
	700000	SITE CLEAN UP		CY	\$ 25.00	\$ -
	700000	FILL MATERIAL		CY	\$ 35.00	\$ -
	700000	SHADE TREE		EA	\$ 600.00	\$ -
	700000	MINOR SHADE TREE		EA	\$ 400.00	\$ -
	700000	FLOWERING TREE		EA	\$ 200.00	\$ -
	700000	GROUND COVER		FLAT	\$ 120.00	\$ -
	700000	BULBS (260 PER PLANT BOX)		EA	\$ 150.00	\$ -

M-NCPPC Northern Gateway SPACES PAMC Project
MD 193 (University Boulevard) from Takoma Langley Station to Adelphi Road UMGC-UMD Station
Pedestrian Lighting Construction Cost Estimate - 30% Design

ITEM NO.	CATEGORY CODE NO.	DESCRIPTION	QTY.	UNIT	UNIT COST	TOTAL COST
	700000	TRASH RECEPTICAL		EA	\$ 1,500.00	\$ -
	700000	BENCH		EA	\$ 1,500.00	\$ -
	700000	GABION WALL		LF	\$ 500.00	\$ -
	700000	GABION WALL 8' BENCH SEGMENT		LF	\$ 800.00	\$ -
	715015	SHREDDED HARDWOOD BARK MULCHING 3 INCH DEPTH		SY	\$ 35.00	\$ -
		CATEGORY 7=				\$ -
CATEGORY 8 -TRAFFIC						
	800000	PEDESTRIAN LIGHT POLES	115	EA	\$ 10,000.00	\$ 1,150,000.00
	800000	TRAFFIC SIGNAL MODIFICATION		EA	\$ 65,000.00	\$ -
	800000	NEW PEDESTRIAN SIGNAL		EA	\$ 250,000.00	\$ -
	800000	SIGNING		LS	\$ 20,000.00	\$ -
	800000	UTILITY RELOCATION	1	LS	\$ 17,500.00	\$ 17,500.00
		CATEGORY 8=				\$ 1,167,500.00
SUBTOTAL						\$ 1,342,000.00
CONTINGENY					25.0%	\$ 335,500.00
TOTAL PROJECT COST						\$ 1,677,500.00