

Appendix D

Cost Opinion

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL MASTER PLAN OPINION OF PROBABLE COSTS**



**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND,
CITY OF BROOKLYN AND CLEVELAND METROPARKS**

DECEMBER 3, 2008

1 VALLEY TRAIL ROUTE				
SECTION	DESCRIPTION	LENGTH	UNIT	TOTAL COST
1	Big Creek Reservation to Brookpark Road	858	LF	\$251,123.80
2	Brookpark Road to Wal-Mart	873	LF	\$209,912.55
3A	Wal-Mart to Substation (East Side of Creek)	946	LF	\$1,147,366.40
4	Substation to Cascade Crossing to I 480 Underpass to Shady Drive	2,486	LF	\$1,726,915.30
5	I-480 Underpass to Biddulph Road	1,426	LF	\$182,155.88
6A	Biddulph Road Crossing (East Side of Creek)	339	LF	\$43,980.24
7	Biddulph to American Road	3,089	LF	\$1,220,857.77
8	American Road to Memphis Picnic Area	1,390	LF	\$69,131.12
9	Shady Drive Alternate Route	865	LF	\$130,379.02
TOTAL VALLEY TRAIL ROUTE WITH OPTION 3A & 6A		12,272	LF	\$4,981,822.00
Option 1				
	Base Valley Route	10,987	LF	\$3,790,475.36
3A	Wal-Mart to Substation (East Side of Creek)	946	LF	\$1,147,366.40
6B	Biddulph Road Crossing (West Side of Creek)	512	LF	\$764,728.29
Total Valley Trail Route with Option 3a & 6b		12,445	LF	\$5,702,570.00
Option 2				
	Base Valley Route	10,987	LF	\$3,790,475.36
3B	Sam's Club to Substation (West Side of Creek)	1,374	LF	\$818,123.99
6A	Biddulph Road Crossing (East Side of Creek)	339	LF	\$43,980.24
Total Valley Trail Route with Option 3b & 6a		12,700	LF	\$4,652,580.00
Option 3				
	Base Valley Route	10,987	LF	\$3,790,475.36
3B	Sam's Club to Substation (West Side of Creek)	1,374	LF	\$818,123.99
6B	Biddulph Road Crossing (West Side of Creek)	512	LF	\$764,728.29
Total Valley Trail Route with Option 3b & 6b		12,873	LF	\$5,373,328.00
2 UPLAND TRAIL ROUTE				
1	Shady Drive to Biddulph Road	1,510	LF	\$548,492.51
2	Biddulph Road to Behrwald Avenue	1,272	LF	\$513,667.57
3	Behrwald Avenue to Memphis Villas Boulevard	2,072	LF	\$780,319.56
4	Memphis Villas Boulevard to Rodoan Road	1,027	LF	\$100,399.46
5	Rodoan Road to Memphis Avenue At the Coyne Recreation Center	2,852	LF	\$379,648.11
6	Coyne Recreation Center to Meadow Brook	2,524	LF	\$336,900.40
7a	Meadow Brook (Off-Road Trail) to Ridge Road/Brookside Reservation	2,345	LF	\$653,994.88
TOTAL UPLAND TRAIL ROUTE		13,602	LF	\$3,313,422.00
Option 1				
1-6	Base Upland Trail Route (Routes 1 through 6)	11,257	LF	\$2,659,427.60
7b	Meadow Brook (On-Road Trail) to Ridge Road/Brookside Reservation	2,076	LF	\$323,971.96
TOTAL UPLAND TRAIL ROUTE WITH OPTION 1		13,333	LF	\$2,983,400.00

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DECEMBER 3, 2008

3 NEIGHBORHOOD CONNECTOR AND LOOP TRAIL ROUTES				
A	Big Creek Reservation Connector			
A1	Brookpark Road to Big Creek Reservation	681	LF	\$88,823.12
	Subtotal	681	LF	\$88,823.12
B	Marquardt Park Connectors			
B1	Substation to Marquardt Park	2,882	LF	\$420,181.72
B2	Shady Drive to Richard Drive to Marquardt Park	1,981	LF	\$124,798.10
B3	Saybrook Drive Connector Trail	1,465	LF	\$54,092.57
B4	Marquardt Park to Biddulph Road at Brooklyn High & Middle School	1,233	LF	\$72,237.04
	Subtotal	7,561	LF	\$671,309.43
C	Key Bank Connector			
C1	Key Bank Connector Trail	2,396	LF	\$187,112.34
	Subtotal	2,396	LF	\$187,112.34
D	Biddulph Road Connector			
D1	Biddulph Road Connector Trail West of Brooklyn High & Middle School	3,055	LF	\$722,541.66
D2	Biddulph Road Connector Trail East of Brooklyn High & Middle School	3,625	LF	\$339,985.02
	Subtotal	6,680	LF	\$1,062,526.68
E	Behrwald Avenue Schools Connectors			
E1	Brooklyn High & Middle School to Behrwald Avenue	1,233	LF	\$145,933.44
E2	Behrwald Avenue to Brooklyn High & Middle School	1,023	LF	\$100,162.28
E3	Brooklyn High School to Brookridge Elementary School	865	LF	\$100,873.81
E4	Brookridge Elementary School to Existing Trail in Veterans Memorial Park	478	LF	\$66,502.20
E5	Existing Trail Improvement at Veterans Memorial Park	1,745	LF	\$118,165.39
E6	Brookridge Elementary School to Ridge Road	1,256	LF	\$165,305.14
E7	Ridge Road to Biddulph Plaza	1,298	LF	\$125,990.92
	Subtotal	7,898	LF	\$822,933.18
F	American Greetings Connector			
F1	American Greetings Connector Trail	2,802	LF	\$345,811.29
	Subtotal	2,802	LF	\$345,811.29
G	Brooklyn Landfill Loop Trail			
G1	Rabbit Run Drive Connector Trail	2,229	LF	\$102,764.37
G2	Brooklyn Landfill Loop Trail	7,563	LF	\$714,268.72
	Subtotal	9,792	LF	\$817,033.08
H	Oxbow Area Trails			
H1	Coyne Recreation Center to Fire Station to Nature Trail Connector	1,639	LF	\$153,174.66
H2	Connector Trail to Nature Trail Loop	569	LF	\$75,206.79
H3	Nature Trail Loop	3,361	LF	\$198,925.15
	Subtotal	5,569	LF	\$427,306.60
	TOTAL NEIGHBORHOOD CONNECTOR AND LOOP TRAIL ROUTES	43,379	LF	\$4,422,856.00

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CONCEPTUAL MASTER PLAN OPINION OF PROBABLE COSTS**



**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND,
CITY OF BROOKLYN AND CLEVELAND METROPARKS**

DECEMBER 3, 2008

SUMMARY

1	TOTAL VALLEY TRAIL ROUTE WITH OPTION 3A & 6A	12,272	LF	\$4,981,822.00
2	TOTAL UPLAND TRAIL ROUTE	13,602	LF	\$3,313,422.00
3	TOTAL NEIGHBORHOOD CONNECTOR AND LOOP TRAIL ROUTES	43,379	LF	\$4,422,856.00
	GRAND TOTAL	69,253	LF	\$12,718,100.00

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BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
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DECEMBER 3, 2008

VALLEY TRAIL ROUTE #1

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.38	0.38	AC	\$4,500.00	\$1,710.00
	B. Construction Fencing	858	858	LF	\$2.00	\$1,716.00
	Subtotal					\$3,426.00
2	Earthwork					
	A. Excavation	270	270	CY	\$10.00	\$2,700.00
	B. Strip, Stockpile & Replace Topsoil	310	310	CY	\$20.00	\$6,200.00
	C. Replace Topsoil along berms	13	13	CY	\$10.00	\$130.00
	D. Excess Topsoil Removal	168	168	CY	\$10.00	\$1,680.00
	Subtotal					\$10,710.00
3	Erosion Control					
	A. Silt Fence	858	858	LF	\$3.00	\$2,574.00
	B. Swale Matting Protection	572	572	SY	\$10.00	\$5,720.00
	C. Slope Matting Protection	477	477	SY	\$6.00	\$2,862.00
	D. Erosion Control Measures	858	858	EA	\$1.00	\$858.00
	Subtotal					\$12,014.00
4	Trail Pavement					
	A. Subgrade Preparation	776	776	SY	\$2.00	\$1,552.00
	B. Asphalt Trail	776	776	SY	\$33.00	\$25,608.00
	C. Geogrid Fabric	776	776	SY	\$5.00	\$3,880.00
	Subtotal					\$31,040.00
5	At Grade Crossings					
	A. Crosswalk Marking	100	100	LF	\$2.50	\$250.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,506.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bollards	2	2	EA	\$300.00	\$600.00
	B. Removable Bollards	1	1	EA	\$450.00	\$450.00
	C. Trail Signage	858	858	LF	\$1.00	\$858.00
	D. Timber Rail	50	50	LF	\$45.00	\$2,250.00
	Subtotal					\$4,158.00
8	Site Structures					
	A. Pedestrian Bridge	60	60	LF	\$1,600.00	\$96,000.00
	B. Bridge Abutments	2	2	EA	\$7,500.00	\$15,000.00
	Subtotal					\$111,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	310	310	SY	\$2.00	\$620.00
	B. Top Soil Along Berms	129	129	CY	\$38.00	\$4,902.00
	C. Seeding Disturbed Areas	776	776	SY	\$1.50	\$1,164.00

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DECEMBER 3, 2008

VALLEY TRAIL ROUTE #1

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	Subtotal					\$6,686.00
10	Construction Survey & Layout					
	A. Survey & Layout	858	858	LS	\$2.00	\$1,716.00
	B. Traffic Control & Maintenance	858	858	LS	\$1.00	\$858.00
	Subtotal					\$2,574.00
	TOTAL					\$191,114.00
	A. Contingency (20%)					\$38,222.80
	B. General Conditions (5%)					\$11,466.84
	C. Bonds & Insurances (3%)					\$6,880.10
	D. Mobilization/Demobilization (1.5%)					\$3,440.05
	GRAND TOTAL					\$251,123.80

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DECEMBER 3, 2008

VALLEY TRAIL ROUTE #2

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.43	0.43	AC	\$4,500.00	\$1,935.00
	B. Construction Fencing	873	873	LF	\$2.00	\$1,746.00
	C. Parking Lot Demolition	1,600	1,600	SY	\$5.00	\$8,000.00
	Subtotal					\$11,681.00
2	Earthwork					
	A. Excavation	299	299	CY	\$10.00	\$2,990.00
	B. Strip, Stockpile & Replace Topsoil	344	344	CY	\$20.00	\$6,880.00
	C. Replace Topsoil along berms	14	14	CY	\$10.00	\$140.00
	D. Excess Topsoil Removal	186	186	CY	\$10.00	\$1,860.00
	Subtotal					\$11,870.00
3	Erosion Control					
	A. Silt Fence	873	873	LF	\$3.00	\$2,619.00
	B. Swale Matting Protection	582	582	SY	\$10.00	\$5,820.00
	C. Slope Matting Protection	429	429	SY	\$6.00	\$2,574.00
	D. Erosion Control Measures	873	873	EA	\$1.00	\$873.00
	Subtotal					\$11,886.00
4	Trail Pavement					
	A. Subgrade Preparation	859	859	SY	\$2.00	\$1,718.00
	B. Asphalt Trail	859	859	SY	\$33.00	\$28,347.00
	C. Geogrid Fabric	859	859	SY	\$5.00	\$4,295.00
	Subtotal					\$34,360.00
5	At Grade Crossings					
	A. Crosswalk Marking	100	100	LF	\$2.50	\$250.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,506.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	873	873	LF	\$1.00	\$873.00
	Subtotal					\$8,373.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Wal-Mart	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	344	344	SY	\$2.00	\$688.00
	B. Top Soil Along Berms	143	143	CY	\$38.00	\$5,434.00

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CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

VALLEY TRAIL ROUTE #2

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	C. Seeding Disturbed Areas	859	859	SY	\$1.50	\$1,288.50
	D. Riparian Restoration	87,762	87,762	SF	\$0.65	\$57,045.30
	Subtotal					\$64,455.80
10	Construction Survey & Layout					
	A. Survey & Layout	873	873	LS	\$2.00	\$1,746.00
	B. Traffic Control & Maintenance	873	873	LS	\$1.00	\$873.00
	Subtotal					\$2,619.00
	TOTAL					\$159,750.80
	A. Contingency (20%)					\$31,950.16
	B. General Conditions (5%)					\$9,585.05
	C. Bonds & Insurances (3%)					\$5,751.03
	D. Mobilization/Demobilization (1.5%)					\$2,875.51
	GRAND TOTAL					\$209,912.55

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DECEMBER 3, 2008

VALLEY TRAIL ROUTE #3A

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.35	0.35	AC	\$4,500.00	\$1,575.00
	B. Construction Fencing	946	946	LF	\$2.00	\$1,892.00
	Subtotal					\$3,467.00
2	Earthwork					
	A. Excavation	245	245	CY	\$10.00	\$2,450.00
	B. Strip, Stockpile & Replace Topsoil	587	587	CY	\$20.00	\$11,740.00
	C. Replace Topsoil along berms	12	12	CY	\$10.00	\$120.00
	D. Excess Topsoil Removal	153	153	CY	\$10.00	\$1,530.00
	Subtotal					\$15,840.00
3	Erosion Control					
	A. Silt Fence	946	946	LF	\$3.00	\$2,838.00
	B. Swale Matting Protection	631	631	SY	\$10.00	\$6,310.00
	C. Slope Matting Protection	352	352	SY	\$6.00	\$2,112.00
	D. Erosion Control Measures	946	946	EA	\$1.00	\$946.00
	Subtotal					\$12,206.00
4	Trail Pavement					
	A. Subgrade Preparation	704	704	SY	\$2.00	\$1,408.00
	B. Asphalt Trail	704	704	SY	\$33.00	\$23,232.00
	C. Geogrid Fabric	704	704	SY	\$5.00	\$3,520.00
	Subtotal					\$28,160.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
6	Site Amenities					
	A. Trail Signage	946	946	LF	\$1.00	\$946.00
	Subtotal					\$946.00
7	Site Structures					
	A. Cantilevered Structure	4,992	4,992	SF	\$150.00	\$748,800.00
	Subtotal					\$748,800.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	282	282	SY	\$2.00	\$564.00
	B. Top Soil Along Berms	117	117	CY	\$38.00	\$4,446.00
	C. Seeding Disturbed Areas	704	704	SY	\$1.50	\$1,056.00
	D. Riparian Restoration	69,020	69,020	SF	\$0.65	\$44,863.00
	Subtotal					\$50,929.00
9	Construction Survey & Layout					
	A. Survey & Layout	946	946	LS	\$2.00	\$1,892.00
	B. Traffic Control & Maintenance	946	946	LS	\$1.00	\$946.00
	Subtotal					\$2,838.00
	TOTAL					\$873,186.00
	A. Contingency (20%)					\$174,637.20
	B. General Conditions (5%)					\$52,391.16
	C. Bonds & Insurances (3%)					\$31,434.70
	D. Mobilization/Demobilization (1.5%)					\$15,717.35
	GRAND TOTAL					\$1,147,366.40

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DECEMBER 3, 2008

VALLEY TRAIL ROUTE #3B

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.62	0.62	AC	\$4,500.00	\$2,790.00
	B. Construction Fencing	1,374	1,374	LF	\$2.00	\$2,748.00
	C. Sidewalk Demolition	1,595	1,595	SF	\$1.00	\$1,595.00
	Subtotal					\$7,133.00
2	Earthwork					
	A. Excavation	416	416	CY	\$10.00	\$4,160.00
	B. Strip, Stockpile & Replace Topsoil	501	501	CY	\$20.00	\$10,020.00
	C. Replace Topsoil along berms	21	21	CY	\$10.00	\$210.00
	D. Excess Topsoil Removal	278	278	CY	\$10.00	\$2,780.00
	Subtotal					\$17,170.00
3	Erosion Control					
	A. Silt Fence	1,374	1,374	LF	\$3.00	\$4,122.00
	B. Swale Matting Protection	916	916	SY	\$10.00	\$9,160.00
	C. Slope Matting Protection	553	553	SY	\$6.00	\$3,318.00
	D. Erosion Control Measures	1,374	1,374	EA	\$1.00	\$1,374.00
	Subtotal					\$17,974.00
4	Trail Pavement					
	A. Subgrade Preparation	1,283	1,283	SY	\$2.00	\$2,566.00
	B. Asphalt Trail	1,106	1,106	SY	\$33.00	\$36,498.00
	C. Geogrid Fabric	1,106	1,106	SY	\$5.00	\$5,530.00
	D. Widen Concrete Sidewalk	319	319	LF	\$36.00	\$11,484.00
	Subtotal					\$56,078.00
5	At Grade Crossings					
	A. Crosswalk Marking		0	LF	\$2.50	\$0.00
	B. Curb Ramps		0	EA	\$2,128.00	\$0.00
	C. Pedestrian Actuated Signal		0	EA	\$27,500.00	\$0.00
	D. Railroad Crossing @Grade (Rubber infill)		0	LF	\$100.00	\$0.00
	E. Pavement Marking On Road Trail		0	LF	\$0.44	\$0.00
	F. Existing Drive Crossings		0	LF	\$50.00	\$0.00
	Subtotal					\$0.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	1,374	1,374	LF	\$1.00	\$1,374.00
	B. Timber Rail	50	50	LF	\$45.00	\$2,250.00
	Subtotal					\$3,624.00
8	Site Structures					
	A. Pedestrian Bridge	60	60	LF	\$1,600.00	\$96,000.00
	B. Bridge Abutments	2	2	EA	\$7,500.00	\$15,000.00
	C. Segmental Wall	6,000	6,000	SF	\$65.00	\$390,000.00
	Subtotal					\$501,000.00

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VALLEY TRAIL ROUTE #3B

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
9	Landscape					
	A. Trailside Seeding and Fine Grading	513	513	SY	\$2.00	\$1,026.00
	B. Top Soil Along Berms	202	202	CY	\$38.00	\$7,676.00
	C. Seeding Disturbed Areas	1,212	1,212	SY	\$1.50	\$1,818.00
	Subtotal					\$10,520.00
10	Construction Survey & Layout					
	A. Survey & Layout	1,374	1,374	LS	\$2.00	\$2,748.00
	B. Traffic Control & Maintenance	1,374	1,374	LS	\$1.00	\$1,374.00
	Subtotal					\$4,122.00
	TOTAL					\$622,621.00
	A. Contingency (20%)					\$124,524.20
	B. General Conditions (5%)					\$37,357.26
	C. Bonds & Insurances (3%)					\$22,414.36
	D. Mobilization/Demobilization (1.5%)					\$11,207.18
	GRAND TOTAL					\$818,123.99

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VALLEY TRAIL ROUTE #4

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.01	1.01	AC	\$4,500.00	\$4,545.00
	B. Construction Fencing	2,486	2,486	LF	\$2.00	\$4,972.00
	Subtotal					\$9,517.00
2	Earthwork					
	A. Excavation	710	710	CY	\$10.00	\$7,100.00
	B. Strip, Stockpile & Replace Topsoil	816	816	CY	\$20.00	\$16,320.00
	C. Replace Topsoil along berms	34	34	CY	\$10.00	\$340.00
	D. Excess Topsoil Removal	442	442	CY	\$10.00	\$4,420.00
	Subtotal					\$28,180.00
3	Erosion Control					
	A. Silt Fence	2,486	2,486	LF	\$3.00	\$7,458.00
	B. Swale Matting Protection	1,657	1,657	SY	\$10.00	\$16,570.00
	C. Slope Matting Protection	1,020	1,020	SY	\$6.00	\$6,120.00
	D. Erosion Control Measures	2,486	2,486	EA	\$1.00	\$2,486.00
	Subtotal					\$32,634.00
4	Trail Pavement					
	A. Subgrade Preparation	2,040	2,040	SY	\$2.00	\$4,080.00
	B. Asphalt Trail	2,040	2,040	SY	\$33.00	\$67,320.00
	C. Geogrid Fabric	2,040	2,040	SY	\$5.00	\$10,200.00
	Subtotal					\$81,600.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
6	Site Amenities					
	A. Bench	2	2	EA	\$1,500.00	\$3,000.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Bollards	2	2	EA	\$300.00	\$600.00
	E. Removable Bollards	1	1	EA	\$450.00	\$450.00
	F. Trail Signage	2,486	2,486	LF	\$1.00	\$2,486.00
	Subtotal					\$12,536.00
7	Site Structures					
	A. Underpass	650	650	LF	\$1,630.00	\$1,059,500.00
	B. Fencing/Railing at Underpass	650	650	LF	\$65.00	\$42,250.00
	Subtotal					\$1,101,750.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Hotel	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	816	816	SY	\$2.00	\$1,632.00
	B. Top Soil Along Berms	340	340	CY	\$38.00	\$12,920.00
	C. Seeding Disturbed Areas	7,344	7,344	SY	\$1.50	\$11,016.00
	Subtotal					\$25,568.00

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

VALLEY TRAIL ROUTE #4

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
10	Construction Survey & Layout					
	A. Survey & Layout	2,486	2,486	LS	\$2.00	\$4,972.00
	B. Traffic Control & Maintenance	2,486	2,486	LS	\$1.00	\$2,486.00
	Subtotal					\$7,458.00
	TOTAL					\$1,314,243.00
	A. Contingency (20%)					\$262,848.60
	B. General Conditions (5%)					\$78,854.58
	C. Bonds & Insurances (3%)					\$47,312.75
	D. Mobilization/Demobilization (1.5%)					\$23,656.37
	GRAND TOTAL					\$1,726,915.30

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

VALLEY TRAIL ROUTE #5

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.79	0.79	AC	\$4,500.00	\$3,555.00
	B. Construction Fencing	1,426	1,426	LF	\$2.00	\$2,852.00
	Subtotal					\$6,407.00
2	Earthwork					
	A. Excavation	552	552	CY	\$10.00	\$5,520.00
	B. Strip, Stockpile & Replace Topsoil	634	634	CY	\$20.00	\$12,680.00
	C. Replace Topsoil along berms	26	26	CY	\$10.00	\$260.00
	D. Excess Topsoil Removal	343	343	CY	\$10.00	\$3,430.00
	Subtotal					\$21,890.00
3	Erosion Control					
	A. Silt Fence	1,426	1,426	LF	\$3.00	\$4,278.00
	B. Swale Matting Protection	951	951	SY	\$10.00	\$9,510.00
	C. Slope Matting Protection	396	396	SY	\$6.00	\$2,376.00
	D. Erosion Control Measures	1,426	1,426	EA	\$1.00	\$1,426.00
	Subtotal					\$17,590.00
4	Trail Pavement					
	A. Subgrade Preparation	1,584	1,584	SY	\$2.00	\$3,168.00
	B. Asphalt Trail	1,584	1,584	SY	\$33.00	\$52,272.00
	C. Geogrid Fabric	1,584	1,584	SY	\$5.00	\$7,920.00
	Subtotal					\$63,360.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
6	Site Amenities					
	A. Trail Signage	1,426	1,426	LF	\$1.00	\$1,426.00
	Subtotal					\$1,426.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	634	634	SY	\$2.00	\$1,268.00
	B. Top Soil Along Berms	264	264	CY	\$38.00	\$10,032.00
	C. Seeding Disturbed Areas	1,584	1,584	SY	\$1.50	\$2,376.00
	Subtotal					\$13,676.00
8	Construction Survey & Layout					
	A. Survey & Layout	1,426	1,426	LS	\$2.00	\$2,852.00
	B. Traffic Control & Maintenance	1,426	1,426	LS	\$1.00	\$1,426.00
	Subtotal					\$4,278.00
	TOTAL					\$138,627.00
	A. Contingency (20%)					\$27,725.40
	B. General Conditions (5%)					\$8,317.62
	C. Bonds & Insurances (3%)					\$4,990.57
	D. Mobilization/Demobilization (1.5%)					\$2,495.29
	GRAND TOTAL					\$182,155.88

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

VALLEY TRAIL ROUTE #6A

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.14	0.14	AC	\$4,500.00	\$630.00
	B. Construction Fencing	339	339	LF	\$2.00	\$678.00
	Subtotal					\$1,308.00
2	Earthwork					
	A. Excavation	96	96	CY	\$10.00	\$960.00
	B. Strip, Stockpile & Replace Topsoil	111	111	CY	\$20.00	\$2,220.00
	C. Replace Topsoil along berms	5	5	CY	\$10.00	\$50.00
	D. Excess Topsoil Removal	60	60	CY	\$10.00	\$600.00
	Subtotal					\$3,830.00
3	Erosion Control					
	A. Silt Fence	339	339	LF	\$3.00	\$1,017.00
	B. Swale Matting Protection	226	226	SY	\$10.00	\$2,260.00
	C. Slope Matting Protection	69	69	SY	\$6.00	\$414.00
	D. Erosion Control Measures	339	339	EA	\$1.00	\$339.00
	Subtotal					\$4,030.00
4	Trail Pavement					
	A. Subgrade Preparation	277	277	SY	\$2.00	\$554.00
	B. Asphalt Trail	277	277	SY	\$33.00	\$9,141.00
	C. Geogrid Fabric	277	277	SY	\$5.00	\$1,385.00
	Subtotal					\$11,080.00
5	At Grade Crossings					
	A. Crosswalk Marking	90	90	LF	\$2.50	\$225.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,481.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	339	339	LF	\$1.00	\$339.00
	Subtotal	5b				\$339.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	111	111	SY	\$2.00	\$222.00
	B. Top Soil Along Berms	46	46	CY	\$38.00	\$1,748.00
	C. Seeding Disturbed Areas	277	277	SY	\$1.50	\$415.50
	Subtotal					\$2,385.50
9	Construction Survey & Layout					
	A. Survey & Layout	339	339	LS	\$2.00	\$678.00
	B. Traffic Control & Maintenance	339	339	LS	\$1.00	\$339.00
	Subtotal					\$1,017.00
	TOTAL					\$33,470.50
	A. Contingency (20%)					\$6,694.10
	B. General Conditions (5%)					\$2,008.23
	C. Bonds & Insurances (3%)					\$1,204.94
	D. Mobilization/Demobilization (1.5%)					\$602.47
	GRAND TOTAL					\$43,980.24

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

VALLEY TRAIL ROUTE #6B

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.16	0.16	AC	\$4,500.00	\$720.00
	B. Construction Fencing	512	512	LF	\$2.00	\$1,024.00
	Subtotal					\$1,744.00
2	Earthwork					
	A. Excavation	111	111	CY	\$10.00	\$1,110.00
	B. Strip, Stockpile & Replace Topsoil	127	127	CY	\$20.00	\$2,540.00
	C. Replace Topsoil along berms	5	5	CY	\$10.00	\$50.00
	D. Excess Topsoil Removal	69	69	CY	\$10.00	\$690.00
	Subtotal					\$4,390.00
3	Erosion Control					
	A. Silt Fence	512	512	LF	\$3.00	\$1,536.00
	B. Swale Matting Protection	341	341	SY	\$10.00	\$3,410.00
	C. Slope Matting Protection	80	80	SY	\$6.00	\$480.00
	D. Erosion Control Measures	512	512	EA	\$1.00	\$512.00
	Subtotal					\$5,938.00
4	Trail Pavement					
	A. Subgrade Preparation	318	318	SY	\$2.00	\$636.00
	B. Asphalt Trail	318	318	SY	\$33.00	\$10,494.00
	C. Geogrid Fabric	318	318	SY	\$5.00	\$1,590.00
	Subtotal					\$12,720.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
6	Site Amenities					
	A. Trail Signage	512	512	LF	\$1.00	\$512.00
	Subtotal					\$512.00
7	Site Structures					
	A. Cantilevered Structure	3,616	3,616	SF	\$150.00	\$542,400.00
	Subtotal					\$542,400.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	127	127	SY	\$2.00	\$254.00
	B. Top Soil Along Berms	53	53	CY	\$38.00	\$2,014.00
	C. Seeding Disturbed Areas	318	318	SY	\$1.50	\$477.00
	Subtotal					\$2,745.00
9	Construction Survey & Layout					
	A. Survey & Layout	512	512	LS	\$2.00	\$1,024.00
	B. Traffic Control & Maintenance	512	512	LS	\$1.00	\$512.00
	Subtotal					\$1,536.00
	TOTAL					\$581,985.00
	A. Contingency (20%)					\$116,397.00
	B. General Conditions (5%)					\$34,919.10
	C. Bonds & Insurances (3%)					\$20,951.46
	D. Mobilization/Demobilization (1.5%)					\$10,475.73
	GRAND TOTAL					\$764,728.29

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

VALLEY TRAIL ROUTE #7

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.51	1.51	AC	\$4,500.00	\$6,795.00
	B. Construction Fencing	3,089	3,089	LF	\$2.00	\$6,178.00
	Subtotal					\$12,973.00
2	Earthwork					
	A. Excavation	1,060	1,060	CY	\$10.00	\$10,600.00
	B. Strip, Stockpile & Replace Topsoil	1,217	1,217	CY	\$20.00	\$24,340.00
	C. Replace Topsoil along berms	51	51	CY	\$10.00	\$510.00
	D. Excess Topsoil Removal	659	659	CY	\$10.00	\$6,590.00
	Subtotal					\$42,040.00
3	Erosion Control					
	A. Silt Fence	3,089	3,089	LF	\$3.00	\$9,267.00
	B. Swale Matting Protection	2,059	2,059	SY	\$10.00	\$20,590.00
	C. Slope Matting Protection	761	761	SY	\$6.00	\$4,566.00
	D. Erosion Control Measures	3,089	3,089	EA	\$1.00	\$3,089.00
	Subtotal					\$37,512.00
4	Trail Pavement					
	A. Subgrade Preparation	3,043	3,043	SY	\$2.00	\$6,086.00
	B. Asphalt Trail	3,043	3,043	SY	\$33.00	\$100,419.00
	C. Geogrid Fabric	3,043	3,043	SY	\$5.00	\$15,215.00
	Subtotal					\$121,720.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	6	6	EA	\$5,000.00	\$30,000.00
	Subtotal					\$30,000.00
6	Site Amenities					
	A. Trail Signage	3,089	3,089	LF	\$1.00	\$3,089.00
	B. Timber Rail	250	250	LF	\$45.00	\$11,250.00
	Subtotal					\$14,339.00
7	Site Structures					
	A. Pedestrian Bridge	350	350	LF	\$1,600.00	\$560,000.00
	B. Bridge Abutments	10	10	EA	\$7,500.00	\$75,000.00
	Subtotal					\$635,000.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	1,217	1,217	SY	\$2.00	\$2,434.00
	B. Top Soil Along Berms	507	507	CY	\$38.00	\$19,266.00
	C. Seeding Disturbed Areas	3,043	3,043	SY	\$1.50	\$4,564.50
	Subtotal					\$26,264.50
9	Construction Survey & Layout					
	A. Survey & Layout	3,089	3,089	LS	\$2.00	\$6,178.00
	B. Traffic Control & Maintenance	3,089	3,089	LS	\$1.00	\$3,089.00
	Subtotal					\$9,267.00
	TOTAL					\$929,115.50
	A. Contingency (20%)					\$185,823.10
	B. General Conditions (5%)					\$55,746.93
	C. Bonds & Insurances (3%)					\$33,448.16
	D. Mobilization/Demobilization (1.5%)					\$16,724.08
	GRAND TOTAL					\$1,220,857.77

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

VALLEY TRAIL ROUTE #8

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.10	0.10	AC	\$4,500.00	\$450.00
	B. Construction Fencing	1,390	1,390	LF	\$2.00	\$2,780.00
	Subtotal					\$3,230.00
2	Earthwork					
	A. Excavation	0	0	CY	\$10.00	\$0.00
	B. Strip, Stockpile & Replace Topsoil	0	0	CY	\$20.00	\$0.00
	C. Replace Topsoil along berms	0	0	CY	\$10.00	\$0.00
	D. Excess Topsoil Removal	0	0	CY	\$10.00	\$0.00
	Subtotal					\$0.00
3	Erosion Control					
	A. Erosion Control Measures	1,330	1,330	EA	\$1.00	\$1,330.00
	Subtotal					\$1,330.00
4	Trail Pavement					
	A. Subgrade Preparation	0	0	SY	\$2.00	\$0.00
	B. Asphalt Trail	0	0	SY	\$33.00	\$0.00
	C. Geogrid Fabric	0	0	SY	\$5.00	\$0.00
	Subtotal					\$0.00
5	At Grade Crossings					
	A. Crosswalk Marking	60	60	LF	\$2.50	\$150.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	C. Pedestrian Actuated Signal	1	1	EA	\$27,500.00	\$27,500.00
	D. Pavement Marking On Road Trail	1,330	1,330	LF	\$0.44	\$585.20
	Subtotal					\$32,491.20
6	Site Amenities					
	A. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	B. Trail Signage	1,390	1,390	LF	\$1.00	\$1,390.00
	Subtotal					\$6,390.00
7	Trailheads					
	A. Utilize Existing Parking Lot @ Memphis Picnic Area	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	0	0	SY	\$2.00	\$0.00
	B. Top Soil Along Berms	0	0	CY	\$38.00	\$0.00
	C. Seeding Disturbed Areas	0	0	SY	\$1.50	\$0.00
	Subtotal					\$0.00
9	Construction Survey & Layout					
	A. Survey & Layout	1,390	1,390	LS	\$2.00	\$2,780.00
	B. Traffic Control & Maintenance	1,390	1,390	LS	\$1.00	\$1,390.00
	Subtotal					\$4,170.00
	TOTAL					\$52,611.20
	A. Contingency (20%)					\$10,522.24
	B. General Conditions (5%)					\$3,156.67
	C. Bonds & Insurances (3%)					\$1,894.00
	D. Mobilization/Demobilization (1.5%)					\$947.00
	GRAND TOTAL					\$69,131.12

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

VALLEY TRAIL ROUTE #9 (SHADY DRIVE ALTERNATE ROUTE)

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.55	0.55	AC	\$4,500.00	\$2,475.00
	B. Construction Fencing	865	865	LF	\$2.00	\$1,730.00
	Subtotal					\$4,205.00
2	Earthwork					
	A. Excavation	386	386	CY	\$10.00	\$3,860.00
	B. Strip, Stockpile & Replace Topsoil	444	444	CY	\$20.00	\$8,880.00
	C. Replace Topsoil along berms	19	19	CY	\$10.00	\$190.00
	D. Excess Topsoil Removal	241	241	CY	\$10.00	\$2,410.00
	Subtotal					\$15,340.00
3	Erosion Control					
	A. Silt Fence	1,049	1,049	LF	\$3.00	\$3,147.00
	B. Swale Matting Protection	699	699	SY	\$10.00	\$6,990.00
	C. Slope Matting Protection	278	278	SY	\$6.00	\$1,668.00
	D. Erosion Control Measures	1,049	1,049	EA	\$1.00	\$1,049.00
	Subtotal					\$12,854.00
4	Trail Pavement					
	A. Subgrade Preparation	1,110	1,110	SY	\$2.00	\$2,220.00
	B. Asphalt Trail	1,110	1,110	SY	\$33.00	\$36,630.00
	C. Geogrid Fabric	1,110	1,110	SY	\$5.00	\$5,550.00
	Subtotal					\$44,400.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,381.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	865	865	LF	\$1.00	\$865.00
	Subtotal					\$865.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	444	444	SY	\$2.00	\$888.00
	B. Top Soil Along Berms	185	185	CY	\$38.00	\$7,030.00
	C. Seeding Disturbed Areas	1,110	1,110	SY	\$1.50	\$1,665.00
	Subtotal					\$9,583.00
9	Construction Survey & Layout					
	A. Survey & Layout	865	865	LS	\$2.00	\$1,730.00
	B. Traffic Control & Maintenance	865	865	LS	\$1.00	\$865.00
	Subtotal					\$2,595.00
	TOTAL					\$99,223.00
	A. Contingency (20%)					\$19,844.60
	B. General Conditions (5%)					\$5,953.38
	C. Bonds & Insurances (3%)					\$3,572.03
	D. Mobilization/Demobilization (1.5%)					\$1,786.01
	GRAND TOTAL					\$130,379.02

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

UPLAND TRAIL ROUTE #1

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.75	0.75	AC	\$4,500.00	\$3,375.00
	B. Construction Fencing	1,510	1,510	LF	\$2.00	\$3,020.00
	Subtotal					\$6,395.00
2	Earthwork					
	A. Excavation	530	530	CY	\$10.00	\$5,300.00
	B. Strip, Stockpile & Replace Topsoil	609	609	CY	\$20.00	\$12,180.00
	C. Replace Topsoil along berms	25	25	CY	\$10.00	\$250.00
	D. Excess Topsoil Removal	330	330	CY	\$10.00	\$3,300.00
	Subtotal					\$21,030.00
3	Erosion Control					
	A. Silt Fence	1,370	1,370	LF	\$3.00	\$4,110.00
	B. Swale Matting Protection	913	913	SY	\$10.00	\$9,130.00
	C. Slope Matting Protection	762	762	SY	\$6.00	\$4,572.00
	D. Erosion Control Measures	1,510	1,510	EA	\$1.00	\$1,510.00
	Subtotal					\$19,322.00
4	Trail Pavement					
	A. Subgrade Preparation	1,522	1,522	SY	\$2.00	\$3,044.00
	B. Asphalt Trail	1,522	1,522	SY	\$33.00	\$50,226.00
	C. Geogrid Fabric	1,522	1,522	SY	\$5.00	\$7,610.00
	Subtotal					\$60,880.00
5	At Grade Crossings					
	A. Crosswalk Marking	140	140	LF	\$2.50	\$350.00
	B. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
	Subtotal					\$8,862.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	1,510	1,510	LF	\$1.00	\$1,510.00
	Subtotal					\$1,510.00
8	Site Structures					
	A. Fencing Along Trail	2,740	2,740	LF	\$50.00	\$137,000.00
	Subtotal					\$137,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	609	609	SY	\$2.00	\$1,218.00
	B. Top Soil Along Berms	254	254	CY	\$38.00	\$9,652.00
	C. Seeding Disturbed Areas	1,522	1,522	SY	\$1.50	\$2,283.00
	D. Landscaping Along Trail	2,740	2,740	LF	\$51.00	\$139,740.00
	Subtotal					\$152,893.00
10	Construction Survey & Layout					
	A. Survey & Layout	1,510	1,510	LS	\$2.00	\$3,020.00
	B. Traffic Control & Maintenance	1,510	1,510	LS	\$1.00	\$1,510.00
	Subtotal					\$4,530.00
	TOTAL					\$417,422.00
	A. Contingency (20%)					\$83,484.40
	B. General Conditions (5%)					\$25,045.32
	C. Bonds & Insurances (3%)					\$15,027.19
	D. Mobilization/Demobilization (1.5%)					\$7,513.60
	GRAND TOTAL					\$548,492.51

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

UPLAND TRAIL ROUTE #2

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.65	0.65	AC	\$4,500.00	\$2,925.00
	B. Construction Fencing	1,222	1,222	LF	\$2.00	\$2,444.00
	Subtotal					\$5,369.00
2	Earthwork					
	A. Excavation	453	453	CY	\$10.00	\$4,530.00
	B. Strip, Stockpile & Replace Topsoil	521	521	CY	\$20.00	\$10,420.00
	C. Replace Topsoil along berms	22	22	CY	\$10.00	\$220.00
	D. Excess Topsoil Removal	282	282	CY	\$10.00	\$2,820.00
	Subtotal					\$17,990.00
3	Erosion Control					
	A. Silt Fence	1,172	1,172	LF	\$3.00	\$3,516.00
	B. Swale Matting Protection	782	782	SY	\$10.00	\$7,820.00
	C. Slope Matting Protection	652	652	SY	\$6.00	\$3,912.00
	D. Erosion Control Measures	1,222	1,222	EA	\$1.00	\$1,222.00
	Subtotal					\$16,470.00
4	Trail Pavement					
	A. Subgrade Preparation	1,302	1,302	SY	\$2.00	\$2,604.00
	B. Asphalt Trail	1,302	1,302	SY	\$33.00	\$42,966.00
	C. Geogrid Fabric	1,302	1,302	SY	\$5.00	\$6,510.00
	Subtotal					\$52,080.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
	Subtotal					\$8,637.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	1,222	1,222	LF	\$1.00	\$1,222.00
	Subtotal					\$8,722.00
8	Site Structures					
	A. Fencing Along Trail	2,344	2,344	LF	\$50.00	\$117,200.00
	Subtotal					\$117,200.00
9	Trailheads					
	A. Proposed Trailhead at Biddulph & CEI Corridor	1	1	ALLOW	\$25,000.00	\$25,000.00
	Subtotal					\$25,000.00
10	Landscape					
	A. Trailside Seeding and Fine Grading	521	521	SY	\$2.00	\$1,042.00
	B. Top Soil Along Berms	217	217	CY	\$38.00	\$8,246.00

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

UPLAND TRAIL ROUTE #2

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	C. Seeding Disturbed Areas	1,302	1,302	SY	\$1.50	\$1,953.00
	D. Landscaping Along Trail	2,344	2,344	LF	\$51.00	\$119,544.00
	Subtotal					\$130,785.00
11	Construction Survey & Layout					
	A. Survey & Layout	1,222	1,222	LS	\$2.00	\$2,444.00
	B. Traffic Control & Maintenance	1,222	1,222	LS	\$1.00	\$1,222.00
	Subtotal					\$3,666.00
	TOTAL					\$390,919.00
	A. Contingency (20%)					\$78,183.80
	B. General Conditions (5%)					\$23,455.14
	C. Bonds & Insurances (3%)					\$14,073.08
	D. Mobilization/Demobilization (1.5%)					\$7,036.54
	GRAND TOTAL					\$513,667.57

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

UPLAND TRAIL ROUTE #3

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.09	1.09	AC	\$4,500.00	\$4,905.00
	B. Construction Fencing	2,072	2,072	LF	\$2.00	\$4,144.00
	Subtotal					\$9,049.00
2	Earthwork					
	A. Excavation	763	763	CY	\$10.00	\$7,630.00
	B. Strip, Stockpile & Replace Topsoil	876	876	CY	\$20.00	\$17,520.00
	C. Replace Topsoil along berms	37	37	CY	\$10.00	\$370.00
	D. Excess Topsoil Removal	475	475	CY	\$10.00	\$4,750.00
	Subtotal					\$30,270.00
3	Erosion Control					
	A. Silt Fence	1,972	1,972	LF	\$3.00	\$5,916.00
	B. Swale Matting Protection	1,315	1,315	SY	\$10.00	\$13,150.00
	C. Slope Matting Protection	1,096	1,096	SY	\$6.00	\$6,576.00
	D. Erosion Control Measures	2,072	2,072	EA	\$1.00	\$2,072.00
	Subtotal					\$27,714.00
4	Trail Pavement					
	A. Subgrade Preparation	2,191	2,191	SY	\$2.00	\$4,382.00
	B. Asphalt Trail	2,191	2,191	SY	\$33.00	\$72,303.00
	C. Geogrid Fabric	2,191	2,191	SY	\$5.00	\$10,955.00
	Subtotal					\$87,640.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
	Subtotal					\$8,637.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	2,072	2,072	LF	\$1.00	\$2,072.00
	Subtotal					\$2,072.00
8	Site Structures					
	A. Fencing Along Trail	3,944	3,944	LF	\$50.00	\$197,200.00
	Subtotal					\$197,200.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	876	876	SY	\$2.00	\$1,752.00
	B. Top Soil Along Berms	365	365	CY	\$38.00	\$13,870.00
	C. Seeding Disturbed Areas	2,191	2,191	SY	\$1.50	\$3,286.50
	D. Landscaping Along Trail	3,944	3,944	LF	\$51.00	\$201,144.00
	Subtotal					\$220,052.50
10	Construction Survey & Layout					
	A. Survey & Layout	2,072	2,072	LS	\$2.00	\$4,144.00
	B. Traffic Control & Maintenance	2,072	2,072	LS	\$1.00	\$2,072.00
	Subtotal					\$6,216.00
	TOTAL					\$593,850.50
	A. Contingency (20%)					\$118,770.10
	B. General Conditions (5%)					\$35,631.03
	C. Bonds & Insurances (3%)					\$21,378.62
	D. Mobilization/Demobilization (1.5%)					\$10,689.31
	GRAND TOTAL					\$780,319.56

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF BROOKLYN, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECVEMBER 3, 2008

UPLAND TRAIL ROUTE #4

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.20	0.20	AC	\$4,500.00	\$900.00
	B. Construction Fencing	1,027	1,027	LF	\$2.00	\$2,054.00
	Subtotal					\$2,954.00
2	Earthwork					
	A. Excavation	84	84	CY	\$10.00	\$840.00
	B. Strip, Stockpile & Replace Topsoil	161	161	CY	\$20.00	\$3,220.00
	C. Replace Topsoil along berms	8	8	CY	\$10.00	\$80.00
	D. Excess Topsoil Removal	104	104	CY	\$10.00	\$1,040.00
	Subtotal					\$5,180.00
3	Erosion Control					
	A. Silt Fence	1,027	1,027	LF	\$3.00	\$3,081.00
	B. Swale Matting Protection	685	685	SY	\$10.00	\$6,850.00
	C. Erosion Control Measures	1,027	1,027	EA	\$1.00	\$1,027.00
	Subtotal					\$10,958.00
4	Trail Pavement					
	A. Subgrade Preparation	482	482	SY	\$2.00	\$964.00
	B. Widen Concrete Sidewalk	867	867	LF	\$36.00	\$31,212.00
	Subtotal					\$32,176.00
5	At Grade Crossings					
	A. Crosswalk Marking	160	160	LF	\$2.50	\$400.00
	B. Curb Ramps	6	6	EA	\$2,128.00	\$12,768.00
	Subtotal					\$13,168.00
6	Site Amenities					
	A. Trail Signage	1,027	1,027	LF	\$1.00	\$1,027.00
	Subtotal					\$1,027.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	48	48	SY	\$2.00	\$96.00
	B. Top Soil Along Berms	193	193	CY	\$38.00	\$7,334.00
	C. Seeding Disturbed Areas	289	289	SY	\$1.50	\$433.50
	Subtotal					\$7,863.50
8	Construction Survey & Layout					
	A. Survey & Layout	1,027	1,027	LS	\$2.00	\$2,054.00
	B. Traffic Control & Maintenance	1,027	1,027	LS	\$1.00	\$1,027.00
	Subtotal					\$3,081.00
	TOTAL					\$76,407.50
	A. Contingency (20%)					\$15,281.50
	B. General Conditions (5%)					\$4,584.45
	C. Bonds & Insurances (3%)					\$2,750.67
	D. Mobilization/Demobilization (1.5%)					\$1,375.34
	GRAND TOTAL					\$100,399.46

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

UPLAND TRAIL ROUTE #5

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.49	1.49	AC	\$4,500.00	\$6,705.00
	B. Construction Fencing	2,852	2,852	LF	\$2.00	\$5,704.00
	Subtotal					\$12,409.00
2	Earthwork					
	A. Excavation	1,047	1,047	CY	\$10.00	\$10,470.00
	B. Strip, Stockpile & Replace Topsoil	1,203	1,203	CY	\$20.00	\$24,060.00
	C. Replace Topsoil along berms	50	50	CY	\$10.00	\$500.00
	D. Excess Topsoil Removal	652	652	CY	\$10.00	\$6,520.00
	Subtotal					\$41,550.00
3	Erosion Control					
	A. Silt Fence	2,852	2,852	LF	\$3.00	\$8,556.00
	B. Swale Matting Protection	1,901	1,901	SY	\$10.00	\$19,010.00
	C. Slope Matting Protection	792	792	SY	\$6.00	\$4,752.00
	D. Erosion Control Measures	2,852	2,852	EA	\$1.00	\$2,852.00
	Subtotal					\$35,170.00
4	Trail Pavement					
	A. Subgrade Preparation	3,008	3,008	SY	\$2.00	\$6,016.00
	B. Asphalt Trail	3,008	3,008	SY	\$33.00	\$99,264.00
	C. Geogrid Fabric	3,008	3,008	SY	\$5.00	\$15,040.00
	Subtotal					\$120,320.00
5	At Grade Crossings					
	A. Crosswalk Marking	145	145	LF	\$2.50	\$362.50
	B. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
			0	EA		\$0.00
	Subtotal					\$8,874.50
6	Storm Sewers					
	A. Drainage Culvert at Trail	3	3	EA	\$5,000.00	\$15,000.00
	Subtotal					\$15,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	2,852	2,852	LF	\$1.00	\$2,852.00
	Subtotal					\$10,352.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ City Hall	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	1,203	1,203	SY	\$2.00	\$2,406.00
	B. Top Soil Along Berms	652	652	CY	\$38.00	\$24,776.00
	C. Seeding Disturbed Areas	3,008	3,008	SY	\$1.50	\$4,512.00
	Subtotal					\$31,694.00
10	Construction Survey & Layout					
	A. Survey & Layout	2,852	2,852	LS	\$2.00	\$5,704.00
	B. Traffic Control & Maintenance	2,852	2,852	LS	\$1.00	\$2,852.00
	Subtotal					\$8,556.00
	TOTAL					\$288,925.50
	A. Contingency (20%)					\$57,785.10
	B. General Conditions (5%)					\$17,335.53
	C. Bonds & Insurances (3%)					\$10,401.32
	D. Mobilization/Demobilization (1.5%)					\$5,200.66
	GRAND TOTAL					\$379,648.11

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

UPLAND TRAIL ROUTE #6

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.39	1.39	AC	\$4,500.00	\$6,255.00
	B. Construction Fencing	2,524	2,524	LF	\$2.00	\$5,048.00
	Subtotal					\$11,303.00
2	Earthwork					
	A. Excavation	976	976	CY	\$10.00	\$9,760.00
	B. Strip, Stockpile & Replace Topsoil	1,122	1,122	CY	\$20.00	\$22,440.00
	C. Replace Topsoil along berms	47	47	CY	\$10.00	\$470.00
	D. Excess Topsoil Removal	608	608	CY	\$10.00	\$6,080.00
	Subtotal					\$38,750.00
3	Erosion Control					
	A. Silt Fence	2,524	2,524	LF	\$3.00	\$7,572.00
	B. Swale Matting Protection	1,683	1,683	SY	\$10.00	\$16,830.00
	C. Slope Matting Protection	701	701	SY	\$6.00	\$4,206.00
	D. Erosion Control Measures	2,524	2,524	EA	\$1.00	\$2,524.00
	Subtotal					\$31,132.00
4	Trail Pavement					
	A. Subgrade Preparation	2,804	2,804	SY	\$2.00	\$5,608.00
	B. Asphalt Trail	2,804	2,804	SY	\$33.00	\$92,532.00
	C. Geogrid Fabric	2,804	2,804	SY	\$5.00	\$14,020.00
	Subtotal					\$112,160.00
5	At Grade Crossings					
	A. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	B. Existing Drive Crossings	40	40	LF	\$50.00	\$2,000.00
	Subtotal					\$6,256.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	2,524	2,524	LF	\$1.00	\$2,524.00
	Subtotal					\$10,024.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Coyne Recreation Center	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	1,122	1,122	SY	\$2.00	\$2,244.00
	B. Top Soil Along Berms	467	467	CY	\$38.00	\$17,746.00
	C. Seeding Disturbed Areas	2,804	2,804	SY	\$1.50	\$4,206.00
	Subtotal					\$24,196.00
10	Construction Survey & Layout					

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

UPLAND TRAIL ROUTE #6

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	A. Survey & Layout	2,524	2,524	LS	\$2.00	\$5,048.00
	B. Traffic Control & Maintenance	2,524	2,524	LS	\$1.00	\$2,524.00
	Subtotal					\$7,572.00
	TOTAL					\$256,393.00
	A. Contingency (20%)					\$51,278.60
	B. General Conditions (5%)					\$15,383.58
	C. Bonds & Insurances (3%)					\$9,230.15
	D. Mobilization/Demobilization (1.5%)					\$4,615.07
	GRAND TOTAL					\$336,900.40

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

UPLAND TRAIL ROUTE #7a

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.29	1.29	AC	\$4,500.00	\$5,805.00
	B. Construction Fencing	2,345	2,345	LF	\$2.00	\$4,690.00
	Subtotal					\$10,495.00
2	Earthwork					
	A. Excavation	907	907	CY	\$10.00	\$9,070.00
	B. Strip, Stockpile & Replace Topsoil	1,042	1,042	CY	\$20.00	\$20,840.00
	C. Replace Topsoil along berms	43	43	CY	\$10.00	\$430.00
	D. Excess Topsoil Removal	565	565	CY	\$10.00	\$5,650.00
	Subtotal					\$35,990.00
3	Erosion Control					
	A. Silt Fence	2,345	2,345	LF	\$3.00	\$7,035.00
	B. Swale Matting Protection	1,563	1,563	SY	\$10.00	\$15,630.00
	C. Slope Matting Protection	651	651	SY	\$6.00	\$3,906.00
	D. Erosion Control Measures	2,345	2,345	EA	\$1.00	\$2,345.00
	Subtotal					\$28,916.00
4	Trail Pavement					
	A. Subgrade Preparation	2,606	2,606	SY	\$2.00	\$5,212.00
	B. Asphalt Trail	2,606	2,606	SY	\$33.00	\$85,998.00
	C. Geogrid Fabric	2,606	2,606	SY	\$5.00	\$13,030.00
	Subtotal					\$104,240.00
5	At Grade Crossings					
	A. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
	Subtotal					\$8,512.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	2,345	2,345	LF	\$1.00	\$2,345.00
	Subtotal					\$9,845.00
8	Site Structures					
	A. Underpass	80	80	LF	\$1,630.00	\$130,400.00
	B. Fencing/Railing at Underpass	80	80	LF	\$65.00	\$5,200.00
	Subtotal					\$135,600.00
9	Trailheads					
	A. Utilize Existing Parking Lot @ Coyne Recreation Center	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
10	Landscape					
	A. Trailside Seeding and Fine Grading	1,042	1,042	SY	\$2.00	\$2,084.00
	B. Top Soil Along Berms	434	434	CY	\$38.00	\$16,492.00

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

UPLAND TRAIL ROUTE #7a

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	C. Seeding Disturbed Areas	2,606	2,606	SY	\$1.50	\$3,909.00
	D. Landscaping Along Trail	2,345	2,345	SY	\$51.00	\$119,595.00
	Subtotal					\$142,080.00
11	Construction Survey & Layout					
	A. Survey & Layout	2,345	2,345	LS	\$2.00	\$4,690.00
	B. Traffic Control & Maintenance	2,345	2,345	LS	\$1.00	\$2,345.00
	Subtotal					\$7,035.00
	TOTAL					\$497,713.00
	A. Contingency (20%)					\$99,542.60
	B. General Conditions (5%)					\$29,862.78
	C. Bonds & Insurances (3%)					\$17,917.67
	D. Mobilization/Demobilization (1.5%)					\$8,958.83
	GRAND TOTAL					\$653,994.88

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

Option 1 - UPLAND TRAIL ROUTE #7b

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.42	0.42	AC	\$4,500.00	\$1,890.00
	B. Construction Fencing	2,076	2,076	LF	\$2.00	\$4,152.00
	Subtotal					\$6,042.00
2	Earthwork					
	A. Excavation	296	296	CY	\$10.00	\$2,960.00
	B. Strip, Stockpile & Replace Topsoil	640	640	CY	\$20.00	\$12,800.00
	C. Replace Topsoil along berms	14	14	CY	\$10.00	\$140.00
	D. Excess Topsoil Removal	184	184	CY	\$10.00	\$1,840.00
	Subtotal					\$17,740.00
3	Erosion Control					
	A. Silt Fence	765	765	LF	\$3.00	\$2,295.00
	B. Swale Matting Protection	510	510	SY	\$10.00	\$5,100.00
	C. Slope Matting Protection	215	215	SY	\$6.00	\$1,290.00
	D. Erosion Control Measures	2,076	2,076	EA	\$1.00	\$2,076.00
	Subtotal					\$10,761.00
4	Trail Pavement					
	A. Subgrade Preparation	850	850	SY	\$2.00	\$1,700.00
	B. Asphalt Trail	850	850	SY	\$33.00	\$28,050.00
	C. Geogrid Fabric	850	850	SY	\$5.00	\$4,250.00
	Subtotal					\$34,000.00
5	At Grade Crossings					
	A. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,256.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	2,076	2,076	LF	\$1.00	\$2,076.00
	Subtotal					\$9,576.00
8	Site Structures					
	A. Underpass	80	80	LF	\$1,630.00	\$130,400.00
	B. Fencing/Railing at Underpass	80	80	LF	\$65.00	\$5,200.00
	Subtotal					\$135,600.00
9	Trailheads					
	A. Utilize Existing Parking Lot @ Coyne Recreation Center	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
10	Landscape					
	A. Trailside Seeding and Fine Grading	340	340	SY	\$2.00	\$680.00
	B. Top Soil Along Berms	142	142	CY	\$38.00	\$5,396.00

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

Option 1 - UPLAND TRAIL ROUTE #7b

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	C. Seeding Disturbed Areas	850	850	SY	\$1.50	\$1,275.00
	Subtotal					\$7,351.00
11	Construction Survey & Layout					
	A. Survey & Layout	2,076	2,076	LS	\$2.00	\$4,152.00
	B. Traffic Control & Maintenance	2,076	2,076	LS	\$1.00	\$2,076.00
	Subtotal					\$6,228.00
	TOTAL					\$246,554.00
	A. Contingency (20%)					\$49,310.80
	B. General Conditions (5%)					\$14,793.24
	C. Bonds & Insurances (3%)					\$8,875.94
	D. Mobilization/Demobilization (1.5%)					\$4,437.97
	GRAND TOTAL					\$323,971.96

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

A1 BROOKPARK ROAD TO BIG CREEK RESERVATION

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.38	0.38	AC	\$4,500.00	\$1,710.00
	B. Construction Fencing	681	681	LF	\$2.00	\$1,362.00
	Subtotal					\$3,072.00
2	Earthwork					
	A. Excavation	263	263	CY	\$10.00	\$2,630.00
	B. Strip, Stockpile & Replace Topsoil	303	303	CY	\$20.00	\$6,060.00
	C. Replace Topsoil along berms	13	13	CY	\$10.00	\$130.00
	D. Excess Topsoil Removal	164	164	CY	\$10.00	\$1,640.00
	Subtotal					\$10,460.00
3	Erosion Control					
	A. Silt Fence	681	681	LF	\$3.00	\$2,043.00
	B. Swale Matting Protection	454	454	SY	\$10.00	\$4,540.00
	C. Slope Matting Protection	378	378	SY	\$6.00	\$2,268.00
	D. Erosion Control Measures	681	681	EA	\$1.00	\$681.00
	Subtotal					\$9,532.00
4	Trail Pavement					
	A. Subgrade Preparation	757	757	SY	\$2.00	\$1,514.00
	B. Asphalt Trail	757	757	SY	\$33.00	\$24,981.00
	C. Geogrid Fabric	757	757	SY	\$5.00	\$3,785.00
	Subtotal					\$30,280.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
6	Site Amenities					
	A. Trail Signage	681	681	LF	\$1.00	\$681.00
	Subtotal					\$681.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	303	303	SY	\$2.00	\$606.00
	B. Top Soil Along Berms	126	126	CY	\$38.00	\$4,788.00
	C. Seeding Disturbed Areas	757	757	SY	\$1.50	\$1,135.50
	D. Riparian Restoration		0	SF	\$0.65	\$0.00
	E. Landscaping Along Trail		0	LF	\$51.00	\$0.00
	Subtotal					\$6,529.50
8	Construction Survey & Layout					
	A. Survey & Layout	681	681	LS	\$2.00	\$1,362.00
	B. Traffic Control & Maintenance	681	681	LS	\$1.00	\$681.00
	Subtotal					\$2,043.00
	TOTAL					\$67,597.50
	A. Contingency (20%)					\$13,519.50
	B. General Conditions (5%)					\$4,055.85
	C. Bonds & Insurances (3%)					\$2,433.51
	D. Mobilization/Demobilization (1.5%)					\$1,216.76
	GRAND TOTAL					\$88,823.12

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

B1 CEI SUBSTATION TO MARQUARDT PARK

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.39	1.39	AC	\$4,500.00	\$6,255.00
	B. Construction Fencing	2,882	2,882	LF	\$2.00	\$5,764.00
	C. Barrier Wall Demolition	1	1	LS	\$1,500.00	\$1,500.00
	D. Fence Removal	1	1	LS	\$500.00	\$500.00
	Subtotal					\$13,519.00
2	Earthwork					
	A. Excavation	974	974	CY	\$10.00	\$9,740.00
	B. Strip, Stockpile & Replace Topsoil	1,119	1,119	CY	\$20.00	\$22,380.00
	C. Replace Topsoil along berms	47	47	CY	\$10.00	\$470.00
	D. Excess Topsoil Removal	606	606	CY	\$10.00	\$6,060.00
	Subtotal					\$38,650.00
3	Erosion Control					
	A. Silt Fence	2,882	2,882	LF	\$3.00	\$8,646.00
	B. Swale Matting Protection	1,921	1,921	SY	\$10.00	\$19,210.00
	C. Slope Matting Protection	699	699	SY	\$6.00	\$4,194.00
	D. Erosion Control Measures	2,882	2,882	EA	\$1.00	\$2,882.00
	Subtotal					\$34,932.00
4	Trail Pavement					
	A. Subgrade Preparation	2,798	2,798	SY	\$2.00	\$5,596.00
	B. Asphalt Trail	2,798	2,798	SY	\$33.00	\$92,334.00
	C. Geogrid Fabric	2,798	2,798	SY	\$5.00	\$13,990.00
	Subtotal					\$111,920.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,381.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	2,882	2,882	LF	\$1.00	\$2,882.00
	Subtotal					\$2,882.00
8	Site Structures					
	A. Sidewalk On Bridge	314	314	SF	\$50.00	\$15,700.00
	B. Fencing Along Trail	600	600	LF	\$50.00	\$30,000.00
	C. Extend ODOT ROW Fencing	600	600	LF	\$50.00	\$30,000.00
	Subtotal					\$75,700.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	1,119	1,119	SY	\$2.00	\$2,238.00
	B. Top Soil Along Berms	466	466	CY	\$38.00	\$17,708.00

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

B1 CEI SUBSTATION TO MARQUARDT PARK

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	C. Seeding Disturbed Areas	2,798	2,798	SY	\$1.50	\$4,197.00
	Subtotal					\$24,143.00
10	Construction Survey & Layout					
	A. Survey & Layout	2,882	2,882	LS	\$2.00	\$5,764.00
	B. Traffic Control & Maintenance	2,882	2,882	LS	\$1.00	\$2,882.00
	Subtotal					\$8,646.00
	TOTAL					\$319,773.00
	A. Contingency (20%)					\$63,954.60
	B. General Conditions (5%)					\$19,186.38
	C. Bonds & Insurances (3%)					\$11,511.83
	D. Mobilization/Demobilization (1.5%)					\$5,755.91
	GRAND TOTAL					\$420,181.72

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

B2 SHADY DRIVE TO RICHARD DRIVE TO MARQUARDT PARK

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.51	0.51	AC	\$4,500.00	\$2,295.00
	B. Construction Fencing	1,981	1,981	LF	\$2.00	\$3,962.00
	Subtotal					\$6,257.00
2	Earthwork					
	A. Excavation	355	355	CY	\$10.00	\$3,550.00
	B. Strip, Stockpile & Replace Topsoil	408	408	CY	\$20.00	\$8,160.00
	C. Replace Topsoil along berms	17	17	CY	\$10.00	\$170.00
	D. Excess Topsoil Removal	221	221	CY	\$10.00	\$2,210.00
	Subtotal					\$14,090.00
3	Erosion Control					
	A. Silt Fence	918	918	LF	\$3.00	\$2,754.00
	B. Swale Matting Protection	612	612	SY	\$10.00	\$6,120.00
	C. Slope Matting Protection	255	255	SY	\$6.00	\$1,530.00
	D. Erosion Control Measures	918	918	EA	\$1.00	\$918.00
	Subtotal					\$11,322.00
4	Trail Pavement					
	A. Subgrade Preparation	1,020	1,020	SY	\$2.00	\$2,040.00
	B. Asphalt Trail	1,020	1,020	SY	\$33.00	\$33,660.00
	C. Geogrid Fabric	1,020	1,020	SY	\$5.00	\$5,100.00
	Subtotal					\$40,800.00
5	At Grade Crossings					
	A. Crosswalk Marking	150	150	LF	\$2.50	\$375.00
	B. Pavement Marking On Road Trail	913	913	LF	\$0.44	\$401.72
	Subtotal					\$776.72
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	1,981	1,981	LF	\$1.00	\$1,981.00
	Subtotal	12				\$1,981.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	408	408	SY	\$2.00	\$816.00
	B. Top Soil Along Berms	170	170	CY	\$38.00	\$6,460.00
	C. Seeding Disturbed Areas	1,020	1,020	SY	\$1.50	\$1,530.00
	D. Riparian Restoration		0	SF	\$0.65	\$0.00
	E. Landscaping Along Trail		0	LF	\$51.00	\$0.00
	Subtotal					\$8,806.00
9	Construction Survey & Layout					
	A. Survey & Layout	1,981	1,981	LS	\$2.00	\$3,962.00
	B. Traffic Control & Maintenance	1,981	1,981	LS	\$1.00	\$1,981.00
	Subtotal					\$5,943.00
	TOTAL					\$94,975.72
	A. Contingency (20%)					\$18,995.14
	B. General Conditions (5%)					\$5,698.54
	C. Bonds & Insurances (3%)					\$3,419.13
	D. Mobilization/Demobilization (1.5%)					\$1,709.56
	GRAND TOTAL					\$124,798.10

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

B3 SAYBROOK DRIVE CONNECTOR TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.21	0.21	AC	\$4,500.00	\$945.00
	B. Construction Fencing	1,465	1,465	LF	\$2.00	\$2,930.00
	Subtotal					\$3,875.00
2	Earthwork					
	A. Excavation	147	147	CY	\$10.00	\$1,470.00
	B. Strip, Stockpile & Replace Topsoil	168	168	CY	\$20.00	\$3,360.00
	C. Replace Topsoil along berms	7	7	CY	\$10.00	\$70.00
	D. Excess Topsoil Removal	91	91	CY	\$10.00	\$910.00
	Subtotal					\$5,810.00
3	Erosion Control					
	A. Silt Fence	379	379	LF	\$3.00	\$1,137.00
	B. Swale Matting Protection	253	253	SY	\$10.00	\$2,530.00
	C. Slope Matting Protection	105	105	SY	\$6.00	\$630.00
	D. Erosion Control Measures	379	379	EA	\$1.00	\$379.00
	Subtotal					\$4,676.00
4	Trail Pavement					
	A. Subgrade Preparation	421	421	SY	\$2.00	\$842.00
	B. Asphalt Trail	421	421	SY	\$33.00	\$13,893.00
	C. Geogrid Fabric	421	421	SY	\$5.00	\$2,105.00
	Subtotal					\$16,840.00
5	At Grade Crossings					
	A. Pavement Marking On Road Trail	1,086	1,086	LF	\$0.44	\$477.84
	Subtotal					\$477.84
6	Site Amenities					
	A. Trail Signage	1,465	1,465	LF	\$1.00	\$1,465.00
	Subtotal	13				\$1,465.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	168	168	SY	\$2.00	\$336.00
	B. Top Soil Along Berms	70	70	CY	\$38.00	\$2,660.00
	C. Seeding Disturbed Areas	421	421	SY	\$1.50	\$631.50
	Subtotal					\$3,627.50
8	Construction Survey & Layout					
	A. Survey & Layout	1,465	1,465	LS	\$2.00	\$2,930.00
	B. Traffic Control & Maintenance	1,465	1,465	LS	\$1.00	\$1,465.00
	Subtotal					\$4,395.00
	TOTAL					\$41,166.34
	A. Contingency (20%)					\$8,233.27
	B. General Conditions (5%)					\$2,469.98
	C. Bonds & Insurances (3%)					\$1,481.99
	D. Mobilization/Demobilization (1.5%)					\$740.99
	GRAND TOTAL					\$54,092.57

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

B4 MARQUARDT PARK TO BIDDULPH ROAD AT BROOKLYN HIGH & MIDDLE SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.01	0.01	AC	\$4,500.00	\$45.00
	B. Construction Fencing	1,233	1,233	LF	\$2.00	\$2,466.00
	Subtotal					\$2,511.00
2	Earthwork					
	A. Excavation	11	11	CY	\$10.00	\$110.00
	B. Strip, Stockpile & Replace Topsoil	5	5	CY	\$20.00	\$100.00
	C. Replace Topsoil along berms	5	5	CY	\$10.00	\$50.00
	D. Excess Topsoil Removal	0	0	CY	\$10.00	\$0.00
	Subtotal					\$260.00
3	Erosion Control					
	A. Silt Fence	280	280	LF	\$3.00	\$840.00
	B. Erosion Control Measures	1,233	1,233	EA	\$1.00	\$1,233.00
	Subtotal					\$2,073.00
4	Trail Pavement					
	A. Subgrade Preparation	0	0	SY	\$2.00	\$0.00
	B. Asphalt Trail	0	0	SY	\$33.00	\$0.00
	C. Geogrid Fabric	0	0	SY	\$5.00	\$0.00
	D. Widen Concrete Sidewalk	0	0	LF	\$36.00	\$0.00
	Subtotal					\$0.00
5	At Grade Crossings					
	A. Crosswalk Marking	90	90	LF	\$2.50	\$225.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	C. Pavement Marking On Road Trail	1,143	1,143	LF	\$0.44	\$502.92
	Subtotal					\$4,983.92
6	Storm Sewers					
	A. Drainage Culvert at Trail	0	0	EA	\$5,000.00	\$0.00
	Subtotal					\$0.00
7	Site Amenities					
	A. Bench	2	2	EA	\$1,500.00	\$3,000.00
	B. Trash Receptacle	2	2	EA	\$1,000.00	\$2,000.00
	C. Kiosks	2	2	EA	\$5,000.00	\$10,000.00
	D. Trail Signage	1,233	1,233	LF	\$1.00	\$1,233.00
	Subtotal					\$16,233.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Brook High Dri	1	1	ALLOW	\$15,000.00	\$15,000.00
	B. Utilize Existing Parking Lot @ Brooklyn High S	1	1	ALLOW	\$10,000.00	\$10,000.00
	Subtotal					\$25,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	5	5	SY	\$2.00	\$10.00
	B. Top Soil Along Berms	5	5	CY	\$38.00	\$190.00
	C. Seeding Disturbed Areas	10	10	SY	\$1.50	\$15.00
	Subtotal					\$215.00
10	Construction Survey & Layout					

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

B4 MARQUARDT PARK TO BIDDULPH ROAD AT BROOKLYN HIGH & MIDDLE SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	A. Survey & Layout	1,233	1,233	LS	\$2.00	\$2,466.00
	B. Traffic Control & Maintenance	1,233	1,233	LS	\$1.00	\$1,233.00
	Subtotal					\$3,699.00
	TOTAL					\$54,974.92
	A. Contingency (20%)					\$10,994.98
	B. General Conditions (5%)					\$3,298.50
	C. Bonds & Insurances (3%)					\$1,979.10
	D. Mobilization/Demobilization (1.5%)					\$989.55
	GRAND TOTAL					\$72,237.04

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

C1 KEY BANK CONNECTOR TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.54	0.54	AC	\$4,500.00	\$2,430.00
	B. Construction Fencing	2,396	2,396	LF	\$2.00	\$4,792.00
	Subtotal					\$7,222.00
2	Earthwork					
	A. Excavation	259	259	CY	\$10.00	\$2,590.00
	B. Strip, Stockpile & Replace Topsoil	433	433	CY	\$20.00	\$8,660.00
	C. Replace Topsoil along berms	21	21	CY	\$10.00	\$210.00
	D. Excess Topsoil Removal	270	270	CY	\$10.00	\$2,700.00
	Subtotal					\$14,160.00
3	Erosion Control					
	A. Silt Fence	2,030	2,030	LF	\$3.00	\$6,090.00
	B. Swale Matting Protection	1,353	1,353	SY	\$10.00	\$13,530.00
	C. Slope Matting Protection	61	61	SY	\$6.00	\$366.00
	D. Erosion Control Measures	2,030	2,030	EA	\$1.00	\$2,030.00
	Subtotal					\$22,016.00
4	Trail Pavement					
	A. Subgrade Preparation	1,249	1,249	SY	\$2.00	\$2,498.00
	B. Asphalt Trail	242	242	SY	\$33.00	\$7,986.00
	C. Geogrid Fabric	242	242	SY	\$5.00	\$1,210.00
	D. Widen Concrete Sidewalk	1,812	1,812	LF	\$36.00	\$65,232.00
	Subtotal					\$76,926.00
5	At Grade Crossings					
	A. Pavement Marking On Road Trail	366	366	LF	\$0.44	\$161.04
	Subtotal					\$161.04
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	2,396	2,396	LF	\$1.00	\$2,396.00
	Subtotal					\$2,396.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	500	500	SY	\$2.00	\$1,000.00
	B. Top Soil Along Berms	141	141	CY	\$38.00	\$5,358.00
	C. Seeding Disturbed Areas	648	648	SY	\$1.50	\$972.00
	Subtotal					\$7,330.00
9	Construction Survey & Layout					
	A. Survey & Layout	2,396	2,396	LS	\$2.00	\$4,792.00
	B. Traffic Control & Maintenance	2,396	2,396	LS	\$1.00	\$2,396.00
	Subtotal					\$7,188.00
	TOTAL					\$142,399.04
	A. Contingency (20%)					\$28,479.81
	B. General Conditions (5%)					\$8,543.94
	C. Bonds & Insurances (3%)					\$5,126.37
	D. Mobilization/Demobilization (1.5%)					\$2,563.18
	GRAND TOTAL					\$187,112.34

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

D1 BIDDULPH ROAD EAST OF BROOKLYN HIGH & MIDDLE SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.62	0.62	AC	\$4,500.00	\$2,790.00
	B. Construction Fencing	3,055	3,055	LF	\$2.00	\$6,110.00
	Subtotal					\$8,900.00
2	Earthwork					
	A. Excavation	263	263	CY	\$10.00	\$2,630.00
	B. Strip, Stockpile & Replace Topsoil	503	503	CY	\$20.00	\$10,060.00
	C. Replace Topsoil along berms	25	25	CY	\$10.00	\$250.00
	D. Excess Topsoil Removal	327	327	CY	\$10.00	\$3,270.00
	Subtotal					\$16,210.00
3	Erosion Control					
	A. Silt Fence	3,055	3,055	LF	\$3.00	\$9,165.00
	B. Swale Matting Protection	2,037	2,037	SY	\$10.00	\$20,370.00
	C. Erosion Control Measures	3,055	3,055	EA	\$1.00	\$3,055.00
	Subtotal					\$32,590.00
4	Trail Pavement					
	A. Subgrade Preparation	1,508	1,508	SY	\$2.00	\$3,016.00
	B. Widen Concrete Sidewalk	2,715	2,715	LF	\$36.00	\$97,740.00
	Subtotal					\$100,756.00
5	At Grade Crossings					
	A. Crosswalk Marking	340	340	LF	\$2.50	\$850.00
	B. Curb Ramps	10	10	EA	\$2,128.00	\$21,280.00
	Subtotal					\$22,130.00
6	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	3,055	3,055	LF	\$1.00	\$3,055.00
	Subtotal					\$10,555.00
7	Trailheads					
	A. Proposed Trailhead at Tiedemann & Biddulph	1	1	ALLOW	\$325,000.00	\$325,000.00
	Subtotal					\$325,000.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	151	151	SY	\$2.00	\$302.00
	B. Top Soil Along Berms	603	603	CY	\$38.00	\$22,914.00
	C. Seeding Disturbed Areas	905	905	SY	\$1.50	\$1,357.50
	Subtotal					\$24,573.50
9	Construction Survey & Layout					
	A. Survey & Layout	3,055	3,055	LS	\$2.00	\$6,110.00
	B. Traffic Control & Maintenance	3,055	3,055	LS	\$1.00	\$3,055.00
	Subtotal					\$9,165.00
	TOTAL					\$549,879.50
	A. Contingency (20%)					\$109,975.90
	B. General Conditions (5%)					\$32,992.77
	C. Bonds & Insurances (3%)					\$19,795.66
	D. Mobilization/Demobilization (1.5%)					\$9,897.83
	GRAND TOTAL					\$722,541.66

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

D2 BIDDULPH ROAD EAST OF BROOKLYN HIGH & MIDDLE SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.76	0.76	AC	\$4,500.00	\$3,420.00
	B. Construction Fencing	3,625	3,625	LF	\$2.00	\$7,250.00
	Subtotal					\$10,670.00
2	Earthwork					
	A. Excavation	321	321	CY	\$10.00	\$3,210.00
	B. Strip, Stockpile & Replace Topsoil	614	614	CY	\$20.00	\$12,280.00
	C. Replace Topsoil along berms	31	31	CY	\$10.00	\$310.00
	D. Excess Topsoil Removal	399	399	CY	\$10.00	\$3,990.00
	Subtotal					\$19,790.00
3	Erosion Control					
	A. Silt Fence	3,625	3,625	LF	\$3.00	\$10,875.00
	B. Swale Matting Protection	2,417	2,417	SY	\$10.00	\$24,170.00
	C. Erosion Control Measures	3,625	3,625	EA	\$1.00	\$3,625.00
	Subtotal					\$38,670.00
4	Trail Pavement					
	A. Subgrade Preparation	1,842	1,842	SY	\$2.00	\$3,684.00
	B. Widen Concrete Sidewalk	3,315	3,315	LF	\$36.00	\$119,340.00
	Subtotal					\$123,024.00
5	At Grade Crossings					
	A. Crosswalk Marking	310	310	LF	\$2.50	\$775.00
	B. Curb Ramps	10	10	EA	\$2,128.00	\$21,280.00
	Subtotal					\$22,055.00
6	Site Amenities					
	A. Trail Signage	3,625	3,625	LF	\$1.00	\$3,625.00
	Subtotal	8a				\$3,625.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	184	184	SY	\$2.00	\$368.00
	B. Top Soil Along Berms	737	737	CY	\$38.00	\$28,006.00
	C. Seeding Disturbed Areas	1,105	1,105	SY	\$1.50	\$1,657.50
	Subtotal					\$30,031.50
8	Construction Survey & Layout					
	A. Survey & Layout	3,625	3,625	LS	\$2.00	\$7,250.00
	B. Traffic Control & Maintenance	3,625	3,625	LS	\$1.00	\$3,625.00
	Subtotal					\$10,875.00
	TOTAL					\$258,740.50
	A. Contingency (20%)					\$51,748.10
	B. General Conditions (5%)					\$15,524.43
	C. Bonds & Insurances (3%)					\$9,314.66
	D. Mobilization/Demobilization (1.5%)					\$4,657.33
	GRAND TOTAL					\$339,985.02

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
DECEMBER 3, 2008

E1 BROOKLYN HIGH & MIDDLE SCHOOL TO BEHRWALD AVENUE

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.31	0.31	AC	\$4,500.00	\$1,395.00
	B. Construction Fencing	1,104	1,104	LF	\$2.00	\$2,208.00
	Subtotal					\$3,603.00
2	Earthwork					
	A. Excavation	220	220	CY	\$10.00	\$2,200.00
	B. Strip, Stockpile & Replace Topsoil	253	253	CY	\$20.00	\$5,060.00
	C. Replace Topsoil along berms	11	11	CY	\$10.00	\$110.00
	D. Excess Topsoil Removal	137	137	CY	\$10.00	\$1,370.00
	Subtotal					\$8,740.00
3	Erosion Control					
	A. Silt Fence	1,104	1,104	LF	\$3.00	\$3,312.00
	B. Swale Matting Protection	736	736	SY	\$10.00	\$7,360.00
	C. Erosion Control Measures	1,104	1,104	EA	\$1.00	\$1,104.00
	Subtotal					\$11,776.00
4	Trail Pavement					
	A. Subgrade Preparation	633	633	SY	\$2.00	\$1,266.00
	B. Asphalt Trail	633	633	SY	\$33.00	\$20,889.00
	C. Geogrid Fabric	633	633	SY	\$5.00	\$3,165.00
	Subtotal					\$25,320.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	3	3	EA	\$2,128.00	\$6,384.00
	C. Pedestrian Actuated Signal	1	1	EA	\$27,500.00	\$27,500.00
	D. Pavement Marking On Road Trail	484	484	LF	\$0.44	\$212.96
	Subtotal					\$34,221.96
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	1,104	1,104	LF	\$1.00	\$1,104.00
	Subtotal					\$8,604.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Brooklyn High School	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	253	253	SY	\$2.00	\$506.00
	B. Top Soil Along Berms	106	106	CY	\$38.00	\$4,028.00
	C. Seeding Disturbed Areas	633	633	SY	\$1.50	\$949.50
	Subtotal					\$5,483.50
10	Construction Survey & Layout					

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
DECEMBER 3, 2008

E1 BROOKLYN HIGH & MIDDLE SCHOOL TO BEHRWALD AVENUE

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
	A. Survey & Layout	1,104	1,104	LS	\$2.00	\$2,208.00
	B. Traffic Control & Maintenance	1,104	1,104	LS	\$1.00	\$1,104.00
	Subtotal					\$3,312.00
	TOTAL					\$111,060.46
	A. Contingency (20%)					\$22,212.09
	B. General Conditions (5%)					\$6,663.63
	C. Bonds & Insurances (3%)					\$3,998.18
	D. Mobilization/Demobilization (1.5%)					\$1,999.09
	GRAND TOTAL					\$145,933.44

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

E2 BEHRWALD AVENUE TO BROOKLYN HIGH & MIDDLE SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.56	0.56	AC	\$4,500.00	\$2,520.00
	B. Construction Fencing	1,023	1,023	LF	\$2.00	\$2,046.00
	Subtotal					\$4,566.00
2	Earthwork					
	A. Excavation	236	236	CY	\$10.00	\$2,360.00
	B. Strip, Stockpile & Replace Topsoil	189	189	CY	\$20.00	\$3,780.00
	C. Replace Topsoil along berms	9	9	CY	\$10.00	\$90.00
	D. Excess Topsoil Removal	142	142	CY	\$10.00	\$1,420.00
	Subtotal					\$7,650.00
3	Erosion Control					
	A. Silt Fence	1,023	1,023	LF	\$3.00	\$3,069.00
	B. Swale Matting Protection	649	649	SY	\$10.00	\$6,490.00
	C. Erosion Control Measures	1,023	1,023	EA	\$1.00	\$1,023.00
	Subtotal					\$10,582.00
4	Trail Pavement					
	A. Subgrade Preparation	649	649	SY	\$2.00	\$1,298.00
	B. Widen Concrete Sidewalk	973	973	LF	\$36.00	\$35,028.00
	Subtotal					\$36,326.00
5	At Grade Crossings					
	A. Crosswalk Marking	50	50	LF	\$2.50	\$125.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,381.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	1,023	1,023	LF	\$1.00	\$1,023.00
	Subtotal					\$1,023.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	264	264	SY	\$2.00	\$528.00
	B. Top Soil Along Berms	66	66	CY	\$38.00	\$2,508.00
	C. Seeding Disturbed Areas	396	396	SY	\$1.50	\$594.00
	Subtotal					\$3,630.00
9	Construction Survey & Layout					
	A. Survey & Layout	1,023	1,023	LS	\$2.00	\$2,046.00
	B. Traffic Control & Maintenance	1,023	1,023	LS	\$1.00	\$1,023.00
	Subtotal					\$3,069.00
	TOTAL					\$76,227.00
	A. Contingency (20%)					\$15,245.40
	B. General Conditions (5%)					\$4,573.62
	C. Bonds & Insurances (3%)					\$2,744.17
	D. Mobilization/Demobilization (1.5%)					\$1,372.09
	GRAND TOTAL					\$100,162.28

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

E3 BROOKLYN HIGH SCHOOL TO BROOKRIDGE ELEMENTARY SCHOOL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.48	0.48	AC	\$4,500.00	\$2,160.00
	B. Construction Fencing	865	865	LF	\$2.00	\$1,730.00
	Subtotal					\$3,890.00
2	Earthwork					
	A. Excavation	209	209	CY	\$10.00	\$2,090.00
	B. Strip, Stockpile & Replace Topsoil	240	240	CY	\$20.00	\$4,800.00
	C. Replace Topsoil along berms	10	10	CY	\$10.00	\$100.00
	D. Excess Topsoil Removal	130	130	CY	\$10.00	\$1,300.00
	Subtotal					\$8,290.00
3	Erosion Control					
	A. Silt Fence	865	865	LF	\$3.00	\$2,595.00
	B. Swale Matting Protection	577	577	SY	\$10.00	\$5,770.00
	C. Slope Matting Protection	150	150	SY	\$6.00	\$900.00
	D. Erosion Control Measures	865	865	EA	\$1.00	\$865.00
	Subtotal					\$10,130.00
4	Trail Pavement					
	A. Subgrade Preparation	744	744	SY	\$2.00	\$1,488.00
	B. Asphalt Trail	601	601	SY	\$33.00	\$19,833.00
	C. Geogrid Fabric	601	601	SY	\$5.00	\$3,005.00
	D. Widen Concrete Sidewalk	214	214	LF	\$36.00	\$7,704.00
	Subtotal					\$32,030.00
5	At Grade Crossings					
	A. Crosswalk Marking	110	110	LF	\$2.50	\$275.00
	B. Curb Ramps	4	4	EA	\$2,128.00	\$8,512.00
	Subtotal					\$8,787.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Trail Signage	865	865	LF	\$1.00	\$865.00
	Subtotal					\$865.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	240	240	SY	\$2.00	\$480.00
	B. Top Soil Along Berms	100	100	CY	\$38.00	\$3,800.00
	C. Seeding Disturbed Areas	601	601	SY	\$1.50	\$901.50
	Subtotal					\$5,181.50
9	Construction Survey & Layout					
	A. Survey & Layout	865	865	LS	\$2.00	\$1,730.00
	B. Traffic Control & Maintenance	865	865	LS	\$1.00	\$865.00
	Subtotal					\$2,595.00
	TOTAL					\$76,768.50
	A. Contingency (20%)					\$15,353.70
	B. General Conditions (5%)					\$4,606.11
	C. Bonds & Insurances (3%)					\$2,763.67
	D. Mobilization/Demobilization (1.5%)					\$1,381.83
	GRAND TOTAL					\$100,873.81

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

E4 BROOKRIDGE ELEMENTARY SCHOOL TO VETERANS MEMORIAL PARK TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.26	0.26	AC	\$4,500.00	\$1,170.00
	B. Construction Fencing	478	478	LF	\$2.00	\$956.00
	Subtotal					\$2,126.00
2	Earthwork					
	A. Excavation	185	185	CY	\$10.00	\$1,850.00
	B. Strip, Stockpile & Replace Topsoil	212	212	CY	\$20.00	\$4,240.00
	C. Replace Topsoil along berms	9	9	CY	\$10.00	\$90.00
	D. Excess Topsoil Removal	115	115	CY	\$10.00	\$1,150.00
	Subtotal					\$7,330.00
3	Erosion Control					
	A. Silt Fence	478	478	LF	\$3.00	\$1,434.00
	B. Swale Matting Protection	319	319	SY	\$10.00	\$3,190.00
	C. Slope Matting Protection	133	133	SY	\$6.00	\$798.00
	D. Erosion Control Measures	478	478	EA	\$1.00	\$478.00
	Subtotal					\$5,900.00
4	Trail Pavement					
	A. Subgrade Preparation	531	531	SY	\$2.00	\$1,062.00
	B. Asphalt Trail	531	531	SY	\$33.00	\$17,523.00
	C. Geogrid Fabric	531	531	SY	\$5.00	\$2,655.00
	Subtotal					\$21,240.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
6	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Trail Signage	478	478	LF	\$1.00	\$478.00
	Subtotal					\$2,978.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	212	212	SY	\$2.00	\$424.00
	B. Top Soil Along Berms	89	89	CY	\$38.00	\$3,382.00
	C. Seeding Disturbed Areas	531	531	SY	\$1.50	\$796.50
	Subtotal					\$4,602.50
8	Construction Survey & Layout					
	A. Survey & Layout	478	478	LS	\$2.00	\$956.00
	B. Traffic Control & Maintenance	478	478	LS	\$1.00	\$478.00
	Subtotal					\$1,434.00
	TOTAL					\$50,610.50
	A. Contingency (20%)					\$10,122.10
	B. General Conditions (5%)					\$3,036.63
	C. Bonds & Insurances (3%)					\$1,821.98
	D. Mobilization/Demobilization (1.5%)					\$910.99
	GRAND TOTAL					\$66,502.20

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

E5 EXISTING TRAIL IMPROVEMENTS AT VETERANS MEMORIAL PARK

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.10	0.10	AC	\$4,500.00	\$450.00
	B. Construction Fencing	1,745	1,745	LF	\$2.00	\$3,490.00
	C. Miscellaneous Demolition	1,163	1,163	SY	\$5.00	\$5,815.00
	Subtotal					\$3,940.00
2	Earthwork					
	A. Excavation	402	402	CY	\$10.00	\$4,020.00
	B. Strip, Stockpile & Replace Topsoil	323	323	CY	\$20.00	\$6,460.00
	C. Replace Topsoil along berms	16	16	CY	\$10.00	\$160.00
	D. Excess Topsoil Removal	242	242	CY	\$10.00	\$2,420.00
	Subtotal					\$13,060.00
3	Erosion Control					
	A. Silt Fence	1,745	1,745	LF	\$3.00	\$5,235.00
	B. Swale Matting Protection	1,163	1,163	SY	\$10.00	\$11,630.00
	C. Slope Matting Protection	0	0	SY	\$6.00	\$0.00
	D. Erosion Control Measures	1,745	1,745	EA	\$1.00	\$1,745.00
	Subtotal					\$18,610.00
4	Trail Pavement					
	A. Subgrade Preparation	776	776	SY	\$2.00	\$1,552.00
	B. Asphalt Trail	776	776	SY	\$33.00	\$25,608.00
	C. Geogrid Fabric	776	776	SY	\$5.00	\$3,880.00
	D. Asphalt Overlay on Existing Trail	1,163	1,163	SY	\$20.00	\$23,260.00
	Subtotal					\$31,040.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
6	Site Amenities					
	A. Trail Signage	1,745	1,745	LF	\$1.00	\$1,745.00
	Subtotal					\$1,745.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	388	388	SY	\$2.00	\$776.00
	B. Top Soil Along Berms	130	130	CY	\$38.00	\$4,940.00
	C. Seeding Disturbed Areas	388	388	SY	\$1.50	\$582.00
	Subtotal					\$6,298.00
8	Construction Survey & Layout					
	A. Survey & Layout	1,745	1,745	LS	\$2.00	\$3,490.00
	B. Traffic Control & Maintenance	1,745	1,745	LS	\$1.00	\$1,745.00
	Subtotal					\$5,235.00
	TOTAL					\$89,928.00
	A. Contingency (20%)					\$17,985.60
	B. General Conditions (5%)					\$5,395.68
	C. Bonds & Insurances (3%)					\$3,237.41
	D. Mobilization/Demobilization (1.5%)					\$1,618.70
	GRAND TOTAL					\$118,165.39

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

E6 BROOKRIDGE ELEMENTARY SCHOOL TO RIDGE ROAD

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.69	0.69	AC	\$4,500.00	\$3,105.00
	B. Construction Fencing	1,256	1,256	LF	\$2.00	\$2,512.00
	Subtotal					\$5,617.00
2	Earthwork					
	A. Excavation	486	486	CY	\$10.00	\$4,860.00
	B. Strip, Stockpile & Replace Topsoil	558	558	CY	\$20.00	\$11,160.00
	C. Replace Topsoil along berms	23	23	CY	\$10.00	\$230.00
	D. Excess Topsoil Removal	302	302	CY	\$10.00	\$3,020.00
	Subtotal					\$19,270.00
3	Erosion Control					
	A. Silt Fence	1,256	1,256	LF	\$3.00	\$3,768.00
	B. Swale Matting Protection	837	837	SY	\$10.00	\$8,370.00
	C. Slope Matting Protection	349	349	SY	\$6.00	\$2,094.00
	D. Erosion Control Measures	1,256	1,256	EA	\$1.00	\$1,256.00
	Subtotal					\$15,488.00
4	Trail Pavement					
	A. Subgrade Preparation	1,396	1,396	SY	\$2.00	\$2,792.00
	B. Asphalt Trail	1,396	1,396	SY	\$33.00	\$46,068.00
	C. Geogrid Fabric	1,396	1,396	SY	\$5.00	\$6,980.00
	Subtotal					\$55,840.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
6	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	1,256	1,256	LF	\$1.00	\$1,256.00
	Subtotal					\$8,756.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	558	558	SY	\$2.00	\$1,116.00
	B. Top Soil Along Berms	233	233	CY	\$38.00	\$8,854.00
	C. Seeding Disturbed Areas	1,396	1,396	SY	\$1.50	\$2,094.00
	Subtotal					\$12,064.00
8	Construction Survey & Layout					
	A. Survey & Layout	1,256	1,256	LS	\$2.00	\$2,512.00
	B. Traffic Control & Maintenance	1,256	1,256	LS	\$1.00	\$1,256.00
	Subtotal					\$3,768.00
	TOTAL					\$125,803.00
	A. Contingency (20%)					\$25,160.60
	B. General Conditions (5%)					\$7,548.18
	C. Bonds & Insurances (3%)					\$4,528.91
	D. Mobilization/Demobilization (1.5%)					\$2,264.45
	GRAND TOTAL					\$165,305.14

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
DECEMBER 3, 2008

E7 RIDGE ROAD TO BIDDULPH PLAZA

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.36	0.36	AC	\$4,500.00	\$1,620.00
	B. Construction Fencing	1,298	1,298	LF	\$2.00	\$2,596.00
	Subtotal					\$4,216.00
2	Earthwork					
	A. Excavation	251	251	CY	\$10.00	\$2,510.00
	B. Strip, Stockpile & Replace Topsoil	288	288	CY	\$20.00	\$5,760.00
	C. Replace Topsoil along berms	12	12	CY	\$10.00	\$120.00
	D. Excess Topsoil Removal	156	156	CY	\$10.00	\$1,560.00
	Subtotal					\$9,950.00
3	Erosion Control					
	A. Silt Fence	1,298	1,298	LF	\$3.00	\$3,894.00
	B. Swale Matting Protection	865	865	SY	\$10.00	\$8,650.00
	C. Erosion Control Measures	1,298	1,298	EA	\$1.00	\$1,298.00
	Subtotal					\$13,842.00
4	Trail Pavement					
	A. Subgrade Preparation	666	666	SY	\$2.00	\$1,332.00
	B. Widen Concrete Sidewalk	1,198	1,198	LF	\$36.00	\$43,128.00
	Subtotal					\$44,460.00
5	At Grade Crossings					
	A. Crosswalk Marking	100	100	LF	\$2.50	\$250.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	Subtotal					\$4,506.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Trail Signage	1,298	1,298	LF	\$1.00	\$1,298.00
	Subtotal					\$3,798.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	288	288	SY	\$2.00	\$576.00
	B. Top Soil Along Berms	120	120	CY	\$38.00	\$4,560.00
	C. Seeding Disturbed Areas	721	721	SY	\$1.50	\$1,081.50
	Subtotal					\$6,217.50
9	Construction Survey & Layout					
	A. Survey & Layout	1,298	1,298	LS	\$2.00	\$2,596.00
	B. Traffic Control & Maintenance	1,298	1,298	LS	\$1.00	\$1,298.00
	Subtotal					\$3,894.00
	TOTAL					\$95,883.50
	A. Contingency (20%)					\$19,176.70
	B. General Conditions (5%)					\$5,753.01
	C. Bonds & Insurances (3%)					\$3,451.81
	D. Mobilization/Demobilization (1.5%)					\$1,725.90
	GRAND TOTAL					\$125,990.92

**BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS**

**CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS**

DECEMBER 3, 2008

F1 AMERICAN GREETING CONNECTOR TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	1.46	1.46	AC	\$4,500.00	\$6,570.00
	B. Construction Fencing	2,802	2,802	LF	\$2.00	\$5,604.00
	Subtotal					\$12,174.00
2	Earthwork					
	A. Excavation	1,026	1,026	CY	\$10.00	\$10,260.00
	B. Strip, Stockpile & Replace Topsoil	1,179	1,179	CY	\$20.00	\$23,580.00
	C. Replace Topsoil along berms	49	49	CY	\$10.00	\$490.00
	D. Excess Topsoil Removal	638	638	CY	\$10.00	\$6,380.00
	Subtotal					\$40,710.00
3	Erosion Control					
	A. Silt Fence	2,802	2,802	LF	\$3.00	\$8,406.00
	B. Swale Matting Protection	1,868	1,868	SY	\$10.00	\$18,680.00
	C. Slope Matting Protection	737	737	SY	\$6.00	\$4,422.00
	D. Erosion Control Measures	2,802	2,802	EA	\$1.00	\$2,802.00
	Subtotal					\$34,310.00
4	Trail Pavement					
	A. Subgrade Preparation	2,947	2,947	SY	\$2.00	\$5,894.00
	B. Asphalt Trail	2,947	2,947	SY	\$33.00	\$97,251.00
	C. Geogrid Fabric	2,947	2,947	SY	\$5.00	\$14,735.00
	Subtotal					\$117,880.00
5	At Grade Crossings					
	A. Crosswalk Marking	80	80	LF	\$2.50	\$200.00
	B. Curb Ramps	2	2	EA	\$2,128.00	\$4,256.00
	C. Railroad Crossing @Grade (Rubber infill)	70	70	LF	\$100.00	\$7,000.00
	Subtotal					\$11,456.00
6	Storm Sewers					
	A. Drainage Culvert at Trail	2	2	EA	\$5,000.00	\$10,000.00
	Subtotal					\$10,000.00
7	Site Amenities					
	A. Trail Signage	2,802	2,802	LF	\$1.00	\$2,802.00
	Subtotal	6a				\$2,802.00
8	Landscape					
	A. Trailside Seeding and Fine Grading	1,179	1,179	SY	\$2.00	\$2,358.00
	B. Top Soil Along Berms	491	491	CY	\$38.00	\$18,658.00
	C. Seeding Disturbed Areas	2,947	2,947	SY	\$1.50	\$4,420.50
	Subtotal					\$25,436.50
9	Construction Survey & Layout					
	A. Survey & Layout	2,802	2,802	LS	\$2.00	\$5,604.00
	B. Traffic Control & Maintenance	2,802	2,802	LS	\$1.00	\$2,802.00
	Subtotal					\$8,406.00
	TOTAL					\$263,174.50
	A. Contingency (20%)					\$52,634.90
	B. General Conditions (5%)					\$15,790.47
	C. Bonds & Insurances (3%)					\$9,474.28
	D. Mobilization/Demobilization (1.5%)					\$4,737.14
	GRAND TOTAL					\$345,811.29

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

G1 RABBIT RUN DRIVE CONNECTOR TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.20	0.20	AC	\$4,500.00	\$900.00
	B. Construction Fencing	2,229	2,229	LF	\$2.00	\$4,458.00
	Subtotal					\$5,358.00
2	Earthwork					
	A. Excavation	142	142	CY	\$10.00	\$1,420.00
	B. Strip, Stockpile & Replace Topsoil	163	163	CY	\$20.00	\$3,260.00
	C. Replace Topsoil along berms	7	7	CY	\$10.00	\$70.00
	D. Excess Topsoil Removal	88	88	CY	\$10.00	\$880.00
	Subtotal					\$5,630.00
3	Erosion Control					
	A. Silt Fence	367	367	LF	\$3.00	\$1,101.00
	B. Swale Matting Protection	245	245	SY	\$10.00	\$2,450.00
	C. Slope Matting Protection	204	204	SY	\$6.00	\$1,224.00
	D. Erosion Control Measures	367	367	EA	\$1.00	\$367.00
	Subtotal					\$5,142.00
4	Trail Pavement					
	A. Subgrade Preparation	408	408	SY	\$2.00	\$816.00
	B. Asphalt Trail	408	408	SY	\$33.00	\$13,464.00
	C. Geogrid Fabric	408	408	SY	\$5.00	\$2,040.00
	Subtotal					\$16,320.00
5	At Grade Crossings					
	A. Pavement Marking On Road Trail	1,862	1,862	LF	\$0.44	\$819.28
	Subtotal					\$819.28
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	2,229	2,229	LF	\$1.00	\$2,229.00
	Subtotal					\$9,729.00
8	Trailheads					
	A. Proposed Trailhead at Rabbit Run Road	1	1	ALLOW	\$20,000.00	\$20,000.00
	Subtotal					\$20,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	163	163	SY	\$2.00	\$326.00
	B. Top Soil Along Berms	68	68	CY	\$38.00	\$2,584.00
	C. Seeding Disturbed Areas	408	408	SY	\$1.50	\$612.00
	Subtotal					\$3,522.00
10	Construction Survey & Layout					
	A. Survey & Layout	2,229	2,229	LS	\$2.00	\$4,458.00
	B. Traffic Control & Maintenance	2,229	2,229	LS	\$1.00	\$2,229.00
	Subtotal					\$6,687.00
	TOTAL					\$78,207.28
	A. Contingency (20%)					\$15,641.46
	B. General Conditions (5%)					\$4,692.44
	C. Bonds & Insurances (3%)					\$2,815.46
	D. Mobilization/Demobilization (1.5%)					\$1,407.73
	GRAND TOTAL					\$102,764.37

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

G2 BROOKLYN LANDFILL LOOP TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	4.34	4.34	AC	\$4,500.00	\$19,530.00
	B. Construction Fencing	7,563	7,563	LF	\$2.00	\$15,126.00
	Subtotal					\$34,656.00
2	Earthwork					
	A. Excavation	2,926	2,926	CY	\$10.00	\$29,260.00
	B. Strip, Stockpile & Replace Topsoil	3,501	3,501	CY	\$20.00	\$70,020.00
	C. Replace Topsoil along berms	140	140	CY	\$10.00	\$1,400.00
	D. Excess Topsoil Removal	1,821	1,821	CY	\$10.00	\$18,210.00
	Subtotal					\$118,890.00
3	Erosion Control					
	A. Silt Fence	7,563	7,563	LF	\$3.00	\$22,689.00
	B. Swale Matting Protection	5,042	5,042	SY	\$10.00	\$50,420.00
	C. Slope Matting Protection	4,002	4,002	SY	\$6.00	\$24,012.00
	D. Erosion Control Measures	7,563	7,563	EA	\$1.00	\$7,563.00
	Subtotal					\$104,684.00
4	Trail Pavement					
	A. Landfill Trail (10' wide)	8,403	8,403	SY	\$18.50	\$155,455.50
	Subtotal					\$155,455.50
5	Storm Sewers					
	A. Drainage Culvert at Trail	3	3	EA	\$5,000.00	\$15,000.00
	Subtotal					\$15,000.00
6	Site Amenities					
	A. Bench	3	3	EA	\$1,500.00	\$4,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Trail Signage	7,563	7,563	LF	\$1.00	\$7,563.00
	Subtotal	loop				\$13,063.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	3,361	3,361	SY	\$2.00	\$6,722.00
	B. Top Soil Along Berms	1,541	1,541	CY	\$38.00	\$58,558.00
	C. Seeding Disturbed Areas	9,244	9,244	SY	\$1.50	\$13,866.00
	Subtotal					\$79,146.00
8	Construction Survey & Layout					
	A. Survey & Layout	7,563	7,563	LS	\$2.00	\$15,126.00
	B. Traffic Control & Maintenance	7,563	7,563	LS	\$1.00	\$7,563.00
	Subtotal					\$22,689.00
	TOTAL					\$543,583.50
	A. Contingency (20%)					\$108,716.70
	B. General Conditions (5%)					\$32,615.01
	C. Bonds & Insurances (3%)					\$19,569.01
	D. Mobilization/Demobilization (1.5%)					\$9,784.50
	GRAND TOTAL					\$714,268.72

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

H1 COYNE RECREATION CENTER TO FIRE STATION TO NATURE TRAIL CONNECTOR

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.42	0.42	AC	\$4,500.00	\$1,890.00
	B. Construction Fencing	1,639	1,639	LF	\$2.00	\$3,278.00
	Subtotal					\$5,168.00
2	Earthwork					
	A. Excavation	294	294	CY	\$10.00	\$2,940.00
	B. Strip, Stockpile & Replace Topsoil	338	338	CY	\$20.00	\$6,760.00
	C. Replace Topsoil along berms	14	14	CY	\$10.00	\$140.00
	D. Excess Topsoil Removal	183	183	CY	\$10.00	\$1,830.00
	Subtotal					\$11,670.00
3	Erosion Control					
	A. Silt Fence	1,252	1,252	LF	\$3.00	\$3,756.00
	B. Swale Matting Protection	835	835	SY	\$10.00	\$8,350.00
	C. Slope Matting Protection	464	464	SY	\$6.00	\$2,784.00
	D. Erosion Control Measures	1,252	1,252	EA	\$1.00	\$1,252.00
	Subtotal					\$16,142.00
4	Trail Pavement					
	A. Subgrade Preparation	1,119	1,119	SY	\$2.00	\$2,238.00
	B. Asphalt Trail	846	846	SY	\$33.00	\$27,918.00
	C. Geogrid Fabric	846	846	SY	\$5.00	\$4,230.00
	D. Widen Concrete Sidewalk	491	491	LF	\$36.00	\$17,676.00
	Subtotal					\$52,062.00
5	At Grade Crossings					
	A. Pavement Marking On Road Trail	387	387	LF	\$0.44	\$170.28
	Subtotal					\$170.28
6	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
7	Site Amenities					
	A. Bench	1	1	EA	\$1,500.00	\$1,500.00
	B. Trash Receptacle	1	1	EA	\$1,000.00	\$1,000.00
	C. Kiosks	1	1	EA	\$5,000.00	\$5,000.00
	D. Trail Signage	1,639	1,639	LF	\$1.00	\$1,639.00
	Subtotal					\$9,139.00
8	Trailheads					
	A. Utilize Existing Parking Lot @ Fire Station	1	1	ALLOW	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
9	Landscape					
	A. Trailside Seeding and Fine Grading	338	338	SY	\$2.00	\$676.00
	B. Top Soil Along Berms	141	141	CY	\$38.00	\$5,358.00
	C. Seeding Disturbed Areas	846	846	SY	\$1.50	\$1,269.00
	Subtotal					\$7,303.00

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

H1 COYNE RECREATION CENTER TO FIRE STATION TO NATURE TRAIL CONNECTOR

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
10	Construction Survey & Layout					
	A. Survey & Layout	1,639	1,639	LS	\$2.00	\$3,278.00
	B. Traffic Control & Maintenance	1,639	1,639	LS	\$1.00	\$1,639.00
	Subtotal					\$4,917.00
	TOTAL					\$116,571.28
	A. Contingency (20%)					\$23,314.26
	B. General Conditions (5%)					\$6,994.28
	C. Bonds & Insurances (3%)					\$4,196.57
	D. Mobilization/Demobilization (1.5%)					\$2,098.28
	GRAND TOTAL					\$153,174.66

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN

CONCEPTUAL OPINION OF PROBABLE COSTS

CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS

DECEMBER 3, 2008

H2 CONNECTOR TRAIL TO NATURE TRAIL LOOP

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.31	0.31	AC	\$4,500.00	\$1,395.00
	B. Construction Fencing	569	569	LF	\$2.00	\$1,138.00
	Subtotal					\$2,533.00
2	Earthwork					
	A. Excavation	220	220	CY	\$10.00	\$2,200.00
	B. Strip, Stockpile & Replace Topsoil	253	253	CY	\$20.00	\$5,060.00
	C. Replace Topsoil along berms	11	11	CY	\$10.00	\$110.00
	D. Excess Topsoil Removal	137	137	CY	\$10.00	\$1,370.00
	Subtotal					\$8,740.00
3	Erosion Control					
	A. Silt Fence	569	569	LF	\$3.00	\$1,707.00
	B. Swale Matting Protection	379	379	SY	\$10.00	\$3,790.00
	C. Slope Matting Protection	316	316	SY	\$6.00	\$1,896.00
	D. Erosion Control Measures	569	569	EA	\$1.00	\$569.00
	Subtotal					\$7,962.00
4	Trail Pavement					
	A. Subgrade Preparation	632	632	SY	\$2.00	\$1,264.00
	B. Asphalt Trail	632	632	SY	\$33.00	\$20,856.00
	C. Geogrid Fabric	632	632	SY	\$5.00	\$3,160.00
	Subtotal					\$25,280.00
5	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
6	Site Amenities					
	A. Trail Signage	569	569	LF	\$1.00	\$569.00
	Subtotal					\$569.00
7	Landscape					
	A. Trailside Seeding and Fine Grading	253	253	SY	\$2.00	\$506.00
	B. Top Soil Along Berms	105	105	CY	\$38.00	\$3,990.00
	C. Seeding Disturbed Areas	632	632	SY	\$1.50	\$948.00
	Subtotal					\$5,444.00
8	Construction Survey & Layout					
	A. Survey & Layout	569	569	LS	\$2.00	\$1,138.00
	B. Traffic Control & Maintenance	569	569	LS	\$1.00	\$569.00
	Subtotal					\$1,707.00
	TOTAL					\$57,235.00
	A. Contingency (20%)					\$11,447.00
	B. General Conditions (5%)					\$3,434.10
	C. Bonds & Insurances (3%)					\$2,060.46
	D. Mobilization/Demobilization (1.5%)					\$1,030.23
	GRAND TOTAL					\$75,206.79

BIG CREEK GREENWAY TRAIL ALIGNMENT & NEIGHBORHOOD CONNECTOR PLAN
CONCEPTUAL OPINION OF PROBABLE COSTS
CLIENT PARTNERS: NOACA, FRIENDS OF BIG CREEK, CITY OF PARMA, CITY OF CLEVELAND, CITY OF
BROOKLYN, CLEVELAND METROPARKS
DECEMBER 3, 2008

H3 NATURE TRAIL

ITEM	DESCRIPTION		QUANTITY	UNIT	UNIT COST	TOTAL COST
1	Site Preparation/Demolition					
	A. Clearing and Grubbing	0.93	0.93	AC	\$4,500.00	\$4,185.00
	B. Construction Fencing	3,361	3,361	LF	\$2.00	\$6,722.00
	Subtotal					\$10,907.00
2	Earthwork					
	A. Excavation	802	802	CY	\$10.00	\$8,020.00
	B. Strip, Stockpile & Replace Topsoil	747	747	CY	\$20.00	\$14,940.00
	C. Replace Topsoil along berms	62	62	CY	\$10.00	\$620.00
	D. Excess Topsoil Removal	560	560	CY	\$10.00	\$5,600.00
	Subtotal					\$29,180.00
3	Erosion Control					
	A. Silt Fence	3,361	3,361	LF	\$3.00	\$10,083.00
	B. Swale Matting Protection	2,241	2,241	SY	\$10.00	\$22,410.00
	C. Slope Matting Protection	934	934	SY	\$6.00	\$5,604.00
	D. Erosion Control Measures	3,361	3,361	EA	\$1.00	\$3,361.00
	Subtotal					\$41,458.00
4	Trail Pavement					
	A. Subgrade Preparation	2,241	2,241	SY	\$2.00	\$4,482.00
	B. Nature Trail (6' wide)	2,241	2,241	SY	\$18.50	\$41,458.50
	Subtotal					\$45,940.50
5	Storm Sewers					
	A. Drainage Culvert at Trail	1	1	EA	\$5,000.00	\$5,000.00
	Subtotal					\$5,000.00
6	Landscape					
	A. Trailside Seeding and Fine Grading	1,494	1,494	SY	\$2.00	\$2,988.00
	B. Top Soil Along Berms	124	124	CY	\$38.00	\$4,712.00
	C. Seeding Disturbed Areas	747	747	SY	\$1.50	\$1,120.50
	Subtotal					\$8,820.50
7	Construction Survey & Layout					
	A. Survey & Layout	3,361	3,361	LS	\$2.00	\$6,722.00
	B. Traffic Control & Maintenance	3,361	3,361	LS	\$1.00	\$3,361.00
	Subtotal					\$10,083.00
	TOTAL					\$151,389.00
	A. Contingency (20%)					\$30,277.80
	B. General Conditions (5%)					\$9,083.34
	C. Bonds & Insurances (3%)					\$5,450.00
	D. Mobilization/Demobilization (1.5%)					\$2,725.00
	GRAND TOTAL					\$198,925.15