

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

Reach	Reach Description	Trail Construction											Easement Acquisition				Crossings	Structures	Reach Subtotals	Notes					
		Trail Markers / Signage	Signage and Pavement Markings	6' Concrete Sidewalk	6' - 8' Wide Soft-Surface (Crushed Stone) Trail	12' Wide Hard-Surface (Asphalt) Trail	42" high Concrete Barrier utilized as Low Retaining Wall	Re-point Existing Masonry Retaining Wall	Fence installed atop Schuylkill Expressway concrete barrier	Gabion Retaining Wall installed on Slope	Units	Cost/Unit	Cost Factor	Subtotal	20' Wide Easement Acquisition	Units	Cost/Unit	Cost Factor			Subtotal	Street Crossing	Bridge		
<b>Upper Merion Township (west of Bridgeport)</b>		4.54 miles to 4.53 miles (depending on alternate chosen)											<b>\$4,332,584.00</b>				to		<b>\$5,196,364.00</b>						
1	Valley Forge Park to Trout Run Sewage Treatment Plant					3854						LF	80.00	1	308,320.00	1000	LF	7.00	1	7,000.00			\$315,320		
2A	Trout Run Sewage Treatment Plant to Heuser Park <i>on Norfolk Southern Property</i>					2064						LF	80.00	1	165,120.00	1740	LF	7.00	1	12,180.00			\$177,300	On Norfolk Southern property	<b>Phase 1 =</b>
2B	Trout Run Sewage Treatment Plant to Heuser Park <i>on Upper Merion Township Property</i>					2009						LF	80.00	1.5	241,080.00	0	LF	7.00	1	0.00		\$800,000.00	\$1,041,080	Bridge on Township property	<b>\$1,857,480</b>
3	Heuser Park					2656						LF	80.00	1	212,480.00	0	LF	7.00	1	0.00			\$212,480		
4	Heuser Park to Bob Case Park					3545						LF	80.00	1	283,600.00	0	LF	7.00	1	0.00	\$5,000.00		\$288,600		
5	Bob Case Park to Abrams Yard Viaduct					1066						LF	80.00	1	85,280.00	150	LF	7.00	1	1,050.00	\$10,000.00		\$96,330		
6	Abrams Run Viaduct					654						LF	0.00	1	0.00	654	LF	7.00	2	9,156.00		\$2,000,000.00	\$2,009,156		<b>Phase 2 =</b>
7	Abrams Run Viaduct to Bridgeport					10154						LF	80.00	1	812,320.00	10154	LF	7.00	1	71,078.00		\$350,000.00	\$1,233,398		<b>\$3,338,884</b>
<b>Bridgeport Borough</b>		1.10 miles											<b>\$203,822.00</b>												
8	Borough Line to Dekalb Street		802									LF	5.00	1	4,010.00	650	LF	7.00	1	4,550.00			\$8,560		<b>Phase 1 =</b>
9	Dekalb Street to O'Neill/Bridgeview development					240						LF	80.00	1	19,200.00	240	LF	7.00	3	5,040.00			\$24,240	Crosses Dekalb Street using Chester Valley Trail Extension crosswalk	<b>\$54,269</b>
10	O'Neill/Bridgeview development					3067						LF	0.00	1	0.00	3067	LF	7.00	1	21,469.00			\$21,469	To be constructed by O'Neill	
11	From O'Neill/Bridgeview development to Borough Line					1719						LF	80.00	1	137,520.00	1719	LF	7.00	1	12,033.00			\$149,553	<b>Phase 2=</b>	<b>\$149,553</b>
<b>Upper Merion Township (east of Bridgeport)</b>		2.03 miles to 2.03 miles (depending on alternate chosen)											<b>\$2,553,056.00</b>				to		<b>\$2,440,218.00</b>						
12	Bridgeport Borough Line to Swedeland Basin Township Park					2899						LF	80.00	1	231,920.00	2899	LF	7.00	1	20,293.00			\$252,213		
13	Swedeland Basin Township Park					2276						LF	80.00	1	182,080.00	0	LF	7.00	1	0.00			\$182,080		
14	Two Trail Bridges: over Norfolk Southern Railroad and over Upper Merion & Plymouth Railroad					142						LF	80.00	2	22,720.00	470	LF	7.00	2	6,580.00		\$1,500,000.00	\$1,529,300		<b>Phase 2 =</b>
15	From Railroad Bridges to River Road / PA Route 23 (Inquirer Printing Plant Driveway Side Path)					590						LF	80.00	1	47,200.00	590	LF	7.00	1	4,130.00			\$51,330		<b>\$2,228,778</b>
16	River Road Side Path From Inquirer Printing Plant to Swedeland Road / Route 320					2398						LF	80.00	1	191,840.00	1145	LF	7.00	1	8,015.00	\$14,000.00		\$213,855		
17C	River Road Side Path: East Side from Swedeland Road / Route 320 to West Conshohocken Borough line					2429						LF	80.00	1	194,320.00	2429	LF	7.00	1	17,003.00			\$211,323		<b>Phase 4=</b>
										1189		LF	95.00	1	112,955.00	0	LF	7.00	1	0.00			\$112,955		<b>\$324,278</b>
17D	River Road Side Path: West Side from Swedeland Road / Route 320 to West Conshohocken Borough line					2413						LF	80.00	1	193,040.00	800	LF	7.00	1.5	8,400.00	\$10,000.00		\$211,440	<b>Phase 1=</b>	<b>\$211,440</b>
												LF	0.00	1	0.00	0	LF	7.00	1	0.00			\$0		

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

Reach	Reach Description	Trail Construction								Easement Acquisition				Crossings	Structures	Reach Subtotals	Notes					
		Trail Markers / Signage	Signage and Pavement Markings	6' Concrete Sidewalk	6' - 8' Wide Soft-Surface (Crushed Stone) Trail	12' Wide Hard-Surface (Asphalt) Trail	42" high Concrete Barrier utilized as Low Retaining Wall	Re-point Existing Masonry Retaining Wall	Fence installed atop Schuylkill Expressway concrete barrier	Gabion Retaining Wall installed on Slope	Units	Cost/Unit	Cost Factor	Subtotal	20' Wide Easement Acquisition			Units	Cost/Unit	Cost Factor	Subtotal	Street Crossing
<b>West Conshohocken Borough</b>		1.22 miles to 2.31 miles (depending on alternate chosen)								<b>\$1,902,524.00</b>				to <b>\$1,040,387.00</b> (not including 26E)								
18C	Bridge over Norfolk Southern Railroad									LF	80.00	1	0.00	0	LF	7.00	1	0.00		\$750,000.00	\$750,000	
19C	Upper Merion Kunda Park and I-476 Right-of-way				1472					LF	80.00	1	117,760.00	0	LF	7.00	1	0.00			\$117,760	
20C	PECO Fire Academy				1250					LF	80.00	1	100,000.00	1250	LF	7.00	1	8,750.00			\$108,750	
21C	Norfolk Southern at PECO Fire Academy				208					LF	80.00	1	16,640.00	208	LF	7.00	1	1,456.00			\$18,096	Norfolk Southern might not consent
22C	Bridge over Gulph Creek									LF	80.00	1	0.00	0	LF	7.00	1	0.00		\$800,000.00	\$800,000	
27C	Five Tower Bridge Riverside Path				2149					LF	80.00	0.5	85,960.00	2149	LF	7.00	1	15,043.00			\$101,003	Owners of Five Tower Bridge might not consent
18D	River Road Side Path: Borough Line to I-476 Bridges				934					LF	80.00	1	74,720.00	934	LF	7.00	1	6,538.00			\$81,258	
19D	PECO Right-of-way				2680					LF	80.00	1	214,400.00	0	LF	7.00	1	0.00			\$214,400	
20D	From PECO Right-of-way to Portland Road				352					LF	80.00	1	28,160.00	352	LF	7.00	1	2,464.00			\$30,624	
21D	Portland Road			560						LF	65.00	1	36,400.00	0	LF	7.00	1	0.00			\$36,400	
22D	Portland Road		485							LF	5.00	1	2,425.00	0	LF	7.00	1	0.00			\$2,425	<b>Phase 1 =</b>
23D	Hillside above Balligomingo Road				3498						80.00	1	279,840.00								\$279,840	<b>\$1,040,387</b>
24D	First Avenue				574				3300	LF	95.00	1	313,500.00	1500	LF	7.00	1	10,500.00	\$10,000.00		\$334,000	
25D	Bullock Avenue and Barr Harbor Drive to Fayette Street Bridge		1721							LF	5.00	1	8,605.00	0	LF	7.00	1	0.00			\$8,605	Crosses Front Street with traffic light already planned to be installed
26E	Bridge over NS and River Road, with Spiral Ramp									LF	80.00	1	0.00	0	LF	7.00	1	0.00		\$3,000,000.00	\$3,000,000	Bridge and Spiral Ramp from Balligomingo Road to Five Tower Bridge Riverfront Trail
28	Barr Harbor Drive and Bliss Street from Fayette Street Bridge to Borough Line		1383							LF	5.00	1	6,915.00	0	LF	7.00	1	0.00			\$6,915	

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

		Trail Construction										Easement Acquisition				Crossings	Structures						
		Trail Markers / Signage	Signage and Pavement Markings	6' Concrete Sidewalk	6' - 8' Wide Soft-Surface (Crushed Stone) Trail	12' Wide Hard-Surface (Asphalt) Trail	42" high Concrete Barrier utilized as Low Retaining Wall	Re-point Existing Masonry Retaining Wall	Fence installed atop Schuylkill Expressway concrete barrier	Gabion Retaining Wall installed on Slope	Units	Cost/Unit	Cost Factor	Subtotal	20' Wide Easement Acquisition	Units	Cost/Unit	Cost Factor	Subtotal	Street Crossing	Bridge	Reach Subtotals	Notes
	<b>Lower Merion Township</b>												6.85 miles									<b>\$4,654,499.00</b>	
<b>29</b>	Abandoned River Road			2605			1852	3358			LF	40.00	1	104,200.00	0	LF	7.00	1	0.00			\$430,475	<b>Phase 3 = \$3,040,615</b>
											LF	90.00	1	166,680.00									
											LF	80.00	0.5	134,320.00									
									1685		LF	15.00	1	25,275.00									
<b>30</b>	From Abandoned River Road to Township Leaf Compost Facility			5700							LF	40.00	1	228,000.00	0	LF	7.00	1	0.00			\$853,560	
											LF	15.00	1	84,060.00									
									5700		LF	95.00	1	541,500.00									
<b>31</b>	Township Leaf Compost Facility			4330							LF	40.00	1	173,200.00	0	LF	7.00	1	0.00			\$173,200	
<b>T1</b>	Trail Head at Township Leaf Compost Facility																					\$150,000	
<b>32</b>	Waverly Road to Mill Creek Road			6742							LF	40.00	1.5	404,520.00	0	LF	7.00	1	0.00	\$10,000.00		\$1,042,030	
									5240		LF	15.00	1	78,600.00									
									5778		LF	95.00	1	548,910.00									
<b>33</b>	Bridge over Mill Creek										LF	80.00	1	0.00	0	LF	7.00	1	0.00		\$350,000.00	\$350,000	
<b>34</b>	Mill Creek Road			366							LF	40.00	2	29,280.00	0	LF	7.00	1	0.00			\$41,350	Mill Creek Road side path
		138										5.00	3	2,070.00					\$10,000.00			\$10,000.00	Beneath Mill Creek Railroad Bridge
<b>35</b>	Flat Rock Park					4883					LF	80.00	1.1	429,704.00	0	LF	7.00	1	0.00			\$429,704	Factor provides for 2300 LF safety fencing
<b>36</b>	Bridge over Creek: Flat Rock Park at Hollow Road										LF	80.00	1	0.00	0	LF	7.00	1	0.00		\$250,000.00	\$250,000	
<b>T2</b>	Trail Head at Flat Rock Dam																					\$150,000	
<b>37</b>	Abandoned River Road at Flat Rock			837							LF	40.00	1	33,480.00	618	LF	7.00	1	4,326.00			\$40,056	(option B)
									150		LF	15.00	1	2,250.00									
<b>38</b>	Harry Olson Trail against Expressway Retaining Wall					759					LF	80.00	1	60,720.00	39	LF	7.00	1	273.00			\$72,378	(option B)
									759		LF	15.00	1	11,385.00									
<b>39</b>	Harry Olson Trail			4124							LF	40.00	1	164,960.00	0	LF	7.00	1	0.00			\$476,820	(option B)
									4124		LF	15.00	1	61,860.00						\$250,000.00			
<b>40</b>	Green Lane (Belmont Avenue) Bridge to Cynwyd Trail connector			2568							LF	40.00	1	102,720.00	0	LF	7.00	1	0.00			\$122,580	(option B)
									1324		LF	15.00	1	19,860.00									
<b>41</b>	Cynwyd Trail connector to Georgia Pacific (Connelly Container) site					691					LF	80.00	1	55,280.00	0	LF	7.00	1	0.00			\$55,280	<b>Phase 4 =</b>
<b>42</b>	Former Georgia Pacific (Connelly Container) site - O'Neill					2438					LF	0.00		0.00	2438	LF	7.00	1	17,066.00			\$17,066	To be constructed by O'Neill Appendix 6

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

		Trail Construction										Easement Acquisition				Crossings	Structures							
		Trail Markers / Signage	Signage and Pavement Markings	6' Concrete Sidewalk	6' - 8' Wide Soft-Surface (Crushed Stone) Trail	12' Wide Hard-Surface (Asphalt) Trail	42" high Concrete Barrier utilized as Low Retaining Wall	Re-point Existing Masonry Retaining Wall	Fence installed atop Schuylkill Expressway concrete barrier	Gabion Retaining Wall installed on Slope	Units	Cost/ Unit	Cost Factor	Subtotal	20' Wide Easement Acquisition	Units	Cost/ Unit	Cost Factor	Subtotal	Street Crossing	Bridge	Reach Subtotals	Notes	
37	Abandoned River Road at Flat Rock							150		LF	80.00	1	0.00	618	LF	7.00	1	4,326.00			\$6,576	(option A)	<b>Option A = \$159,954</b>	
38	Harry Olson Trail against Expressway Retaining Wall						759			LF	80.00	1	0.00	39	LF	7.00	1	273.00			\$11,658	(option A)		minimal upgrade
39	Harry Olson Trail							4124		LF	80.00	1	0.00	0	LF	7.00	1	0.00			\$121,860	(option A)		
40	Green Lane (Belmont Avenue) Bridge to Cynwyd Trail connector							1324		LF	15.00	1	61,860.00	0	LF	7.00	1	0.00		\$60,000.00		\$19,860	pre-fab fiberglass footbridge	
37	Abandoned River Road at Flat Rock			837				150		LF	40.00	1	33,480.00	618	LF	7.00	1	4,326.00			\$40,056	(option B)	<b>Option B = \$711,834</b>	
38	Harry Olson Trail against Expressway Retaining Wall					759		759		LF	80.00	1	60,720.00	39	LF	7.00	1	273.00			\$72,378	(option B)		upgrade to 8' soft surface
39	Harry Olson Trail			4124				4124		LF	40.00	1	164,960.00	0	LF	7.00	1	0.00			\$476,820	(option B)		
40	Green Lane (Belmont Avenue) Bridge to Cynwyd Trail connector			2568				1324		LF	40.00	1	102,720.00	0	LF	7.00	1	0.00		\$250,000.00		\$122,580	(option B)	
37	Abandoned River Road at Flat Rock			837				150		LF	80.00	1	66,960.00	618	LF	7.00	1	4,326.00			\$73,536	(option C)	<b>Option C = \$1,012,994</b>	
38	Harry Olson Trail against Expressway Retaining Wall					759		759		LF	80.00	1	60,720.00	39	LF	7.00	1	273.00			\$72,378	(option C)		upgrade to 12' hard surface
39	Harry Olson Trail			4124				4124		LF	80.00	1	329,920.00	0	LF	7.00	1	0.00			\$641,780	(option C)		
40	Green Lane (Belmont Avenue) Bridge to Cynwyd Trail connector			2568				1324		LF	80.00	1	205,440.00	0	LF	7.00	1	0.00		\$250,000.00		\$225,300	(option C)	

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

	Distance	Construction Cost	Total Cost including Design
Upper Merion Township with Alternates A and C	6.6 miles	\$6,885,640.00	\$6,885,641.15
Upper Merion Township with Alternates A and D	6.6 miles	\$6,772,802.00	\$7,788,722.30
Upper Merion Township with Alternates B and C	6.6 miles	\$7,749,420.00	\$8,911,833.00
Upper Merion Township with Alternates B and D	6.6 miles	\$7,636,582.00	\$8,782,069.30
Bridgeport Borough	1.1 miles	\$203,822.00	\$234,395.30
West Conshocken with Alternate C	1.2 miles	\$1,902,524.00	\$2,187,902.60
West Conshocken with Alternate D	2.3 miles	\$1,040,387.00	\$1,196,445.05
West Conshocken with Alternate E	1.7 miles	\$3,669,622.00	\$4,220,065.30
Lower Merion Township	6.9 miles	\$4,654,499.00	\$5,352,673.85

cost range	
low:	\$13,669,155
mid:	\$18,718,967
high:	\$21,133,686

(with Reach 26E/West Conshohocken Viaduct/Spiral Ramp and "overlapping" Alternate C)

# The Schuylkill River West Trail

Montgomery County and City of Philadelphia, Pennsylvania

## PRELIMINARY OPINION OF PROBABLE COST

Prep'd by Campbell Thomas & Co - 1504 South Street - Philadelphia PA  
19146-1636 - Tel:215-545-1076 - Fax 215-545-8397

Date: February 19, 2009

Total Acquisition Cost: 274,393.00

Cost Miles

**Phase 1** 5,026,758.10 8.2

**Phase 2** 6,543,778.30 4.1

**Phase 3** 3,496,707.25 3.8

**Phase 4** 63,572.00 0.1

**\$15,130,815.65 16.3**

add W. Consho Kunda Park / PECO / NS "Phase 4" \$2,552,870.05 1.4

add W. Consho Viaduct / Spiral Ramp over NS \$3,450,000.00 -

**Total \$21,133,686**