

Whitemarsh Township Pedestrian and Bicycle Network Plan - PHASE 1 OPINION OF PROBABLE COST

Montgomery County, Pennsylvania

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

Date: May 14, 2009

Route ID #		Reach of Route		DISTANCE & TYPE of REACH										SPECIAL SIGNAGE @ CROSSINGS			Reach Subtotal	TOTALS	Comments			
				Proposed Network						Cost				Type		Cost						
				Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route	Units	Cost / Unit	Cost Factor	Sub- total	Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing				Subtotal		
1a	Joshua Road from Flourtown Road to Stenton Avenue		4016								LF	100	1	401600				\$401,600	\$401,600	utilize existing Joshua Road bridge over NS Railroad		
		0	4016	0	0	0	0				LF								Phase Total:	\$401,600		
		A construction contingency of 15% should be provided.										0.0	0.8	0.0	0.0	0.0	0.0	Miles				
		Design/Engineering fees should range 15-20%																				
		No acquisition costs are included.																				

Whitemarsh Township Pedestrian and Bicycle Network Plan - PHASE 2 OPINION OF PROBABLE COST

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Date: May 14, 2009

Route ID #	Reach of Route	DISTANCE & TYPE of REACH										Footbridge over Stream	SPECIAL SIGNAGE @ CROSSINGS			Reach Subtotal	TOTALS	Comments
		Proposed Network							Cost				Type	Cost				
		Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidewalk (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes	Units	Cost / Unit	Cost Factor		Sub- total	Crossing at Existing Intersection	Mid-Block Crossing			
2a	Germantown Pike, East Side, Butler Pike to PW High School								LF	0	1	0				\$0	\$0	Previously Budgeted
2b	Germantown Pike, West Side, Butler Pike to Alden Road					1005			LF	50	1	50250				\$50,250	\$50,250	
2c	Germantown Pike, East Side, Joshua Road to N. Warner Road					921			LF	50	1	46050				\$46,050	\$46,050	
2d	Joshua Road, South Side, Germantown Pike east to existing sidewalk					280			LF	50	1	14000				\$14,000	\$14,000	
2e	Joshua Road, North Side, connect sidewalk along parking lot through Miles Park				446				LF	50	1	22300				\$22,300	\$22,300	
2f	Germantown Pike, West Side, Joshua Road to Edmonds Road					458			LF	50	1	22900				\$22,900	\$22,900	Parking Lot; must determine precise location of right-of-way line
2g	Germantown Pike, East Side, Crescent Avenue south to existing sidewalk					1188			LF	50	1	59400				\$59,400	\$59,400	
2h	Germantown Pike, West Side, fill in gaps between Crescent Avenue and Church Road					333			LF	50	1	16650				\$16,650	\$16,650	
2i	Germantown Pike Bike Lanes							13996	LF	2	1	27992				\$27,992	\$27,992	Should extend through Springfield Twp. To Northwestern Ave
2J	Church Road from Germantown Pike to Ridge Pike					1113			LF	50	1	55650				\$55,650	\$55,650	
2k	Harts Lane from Ridge Pike to Barren Hill Road					1906			LF	50	1	95300				\$95,300	\$95,300	
2L	Pine Ridge Road from Ridge Pike to Evergreen Lane; Evergreen Lane to Twp Parkland	885							LF	2	1	1770				\$1,770	\$1,770	
2m	Cherrydale Dr., Chinaberry Dr., Pear Tree Lane, Scarlet Oak Dr., Copper Beech Dr.	8633							LF	2	1	17266				\$17,266	\$17,266	
2n	Joshua Road, South Side, Cedar Grove Road to Copper Beech Drive					1116			LF	50	1	55800				\$55,800	\$55,800	
2o	Joshua Road and Ridge Pike: Connect Sidewalks at South Corner of Intersection					517			LF	50	1	25850				\$25,850	\$25,850	
2p	Cedar Grove Road Path: Resurface and Upgrade		3380						LF	0	1	0				\$0	\$0	Funded as part of Cutler Shacklett Subdivision Approval
2q	Cedar Grove Road from Sherry Lake to Butler Pike					876			LF	50	1	43800				\$43,800	\$43,800	
2r	Butler Pike from North Lane to Ridge Pike					3086			LF	50	1	154300				\$154,300	\$154,300	
2s	Butler Pike from Ridge Pike to Germantown Pike					3498			LF	50	1	174900				\$174,900	\$174,900	
2t	Spring Mill Road from Tracy Road to Butler Pike					553			LF	50	1	27650				\$27,650	\$27,650	
2u	Joshua Road: On-road bike route from Germantown Avenue to Flourtown Road							4052	LF	2	1	8104				\$8,104	\$8,104	
2v	West Valley Green Road from Green Ribbon Trail to Bethlehem Pike				1386				LF	50	1	69300				\$69,300	\$69,300	Coordinate with the planned replacement of Valley Green Bridge
2w	East Valley Green Road from Bethlehem Pike to Church Road					2066			LF	50	1	103300				\$103,300	\$103,300	
2x	East Valley Green Road from Church Road the length of Valley Green Park				880				LF	50	1	44000				\$44,000	\$44,000	
2y	Bethlehem Pike, East Side, from Flourtown Shopping Center (Twp line) to exist'g sidewalk					230			LF	50	1	11500				\$11,500	\$11,500	
2z	Bethlehem Pike, East Side, from East Valley Green Road to Church Road					1812			LF	50	1	90600				\$90,600	\$90,600	
A construction contingency of 15% should be provided.		9518	3380	0	2712	20958	4052	13996	LF									Phase Total: \$1,238,632
Design/Engineering fees should range 15-20%		1.8	0.6	0.0	0.5	4.0	0.8	2.7	Miles									
No acquisition costs are included.																		

Whitemarsh Township Pedestrian and Bicycle Network Plan - PHASE 4 OPINION OF PROBABLE COST

Montgomery County, Pennsylvania

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Date: May 14, 2009

Route ID #		Reach of Route		DISTANCE & TYPE of REACH								SPECIAL SIGNAGE @ CROSSINGS			Reach Subtotal	TOTALS	Comments			
				Proposed Network						Cost		Type		Cost						
				Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes	Units	Cost / Unit	Cost Factor	Sub- total				Footbridge over Stream	Crossing at Existing Intersection	Mid-Block Crossing
4a	Ridge Pike from Butler Pike to Manor Road -- Sidewalks Both Sides								LF	50	1	0				\$0	\$0	Montgomery County's Ridge Pike reconstruction project		
4b	Butler Pike from Germantown Pike to Morris Road				21874				LF	50	1	1093700				\$1,093,700	\$1,093,700	Coordinate with Texas Eastern due to Natural Gas Pipeline along road		
4c	Flourtown Road from Joshua Road to Stenton Avenue		5640						LF	100	1	564000			1	5000	\$574,001	\$579,002		
4d	Thomas Road from Germantown Pike to Flourtown Road		5178						LF	100	1	517800					\$517,800	\$517,800	Coordinate with Springfield Township	
4e	Stenton Avenue from Joshua Road to Militia Hill Road (ties to 3m)		3470						LF	100	1.3	451100					\$451,100	\$451,100		
4f	Militia Hill Road from Butler Pike to Stenton Avenue						6746		LF	2	1	13492					\$13,492	\$13,492		
4g	Schuylkill Hiking Trail from City Limits to Manor Road			1834					LF	20	1	36680	15000				\$51,680			
	Manor Road to Harts Lane			1962					LF	20	1	39240			1	5000	\$44,240			
	Harts Lane through Ashford Farm			2670					LF	20	1	53400	15000		1	5000	\$73,400			
	from Ashford Farm to River Road			2150					LF	15	1.2	38700					\$38,700			
	River Road to Center Street			994					LF	15	1	14910			1	5000	\$19,910			
	Center Street to Hector Street (through Spring Mill County Park)			740					LF	20	1	14800	15000				\$29,800			
	Hector Street to Wells Street			2795					LF	15	1	41925			1	5000	\$46,925			
	Wells Street to Butler Pike			2610					LF	20	1	52200			2	10000	\$62,200	\$366,855		
A construction contingency of 15% should be provided.		0	14288	15755	21874	0	6746	0	LF								Phase Total:		\$3,021,949	
Design/Engineering fees should range 15-20%		0.0	2.7	3.0	4.1	0.0	1.3	0.0	Miles											
No acquisition costs are included.																				

Whitemarsh Township Pedestrian and Bicycle Network Plan - PHASE 5 OPINION OF PROBABLE COST

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Route ID #	Reach of Route	DISTANCE & TYPE of REACH										SPECIAL SIGNAGE @ CROSSINGS			Reach Subtotal	TOTALS	Comments		
		Proposed Network							Cost			Type		Cost					
		Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes	Units	Cost / Unit	Cost Factor	Sub- total	Footbridge over Stream	Crossing at Existing Intersection				Mid-Block Crossing	Subtotal
5a	Bethlehem Pike Bike Lanes (see comment)							10836	LF	2	2	43344				\$43,344	\$43,344	From Church Road to Skippack Pike presents design challenge	
5b	Church Road from Valley Green Road to Bethlehem Pike				2644				LF	50	1	132200				\$132,200	\$132,200		
5c	Skippack Pike from Mathers Mill Rd/Cross County Trail to Butler Pike		8860						LF	100	1	886000				\$886,000	\$886,000	1. Cost does not include possible new footbridge over Wissahickon Creek. 2.Coordinate with Texas Eastern due to Natural Gas Pipeline along Skippack Pike	
5d	Militia Hill Road from Stenton Avenue to Skippack Pike		7601						LF	100	1	760100				\$760,100	\$760,100		
5e	Stenton Avenue from Sheaff Lane to Butler Pike		2820						LF	100	1	282000				\$282,000	\$282,000		
5f	Off-Road trail parallel to Fountain Green Road (through Dixon lands)		2544						LF	100	0.8	203520				\$203,520	\$203,520		
5g	Germantown Pike from Thornhill Drive to Township Line (see comment)				2017				LF	50	1	100850				\$100,850	\$100,850	Springfield Twp should extend this to Northwestern Avenue	
5h	Andorra Road, and Park Avenue from Andorra Road to Church Road				2880				LF	100	1	288000				\$288,000	\$288,000		
5i	Manor Road from River Road to Hageys Mill Road						1861		LF	1	1	1861				\$1,861	\$1,861		
5J	Harts Lane						8873		LF	1	1	8873				\$8,873	\$8,873		
5k	River Road, then Barren Hill Road from River Road to Cedar Grove Road (2p)						6321		LF	1	1	6321				\$6,321	\$6,321		
5L	North Lane, Station Avenue						5446		LF	1	1	5446				\$5,446	\$5,446		
5m	Wells Street						2282		LF	1	1	2282				\$2,282	\$2,282		
5n	Cedar Grove Road from Wells Street to Butler Pike						2900		LF	1	1	2900				\$2,900	\$2,900		
5o	Spring Mill Road						5642		LF	1	1	5642				\$5,642	\$5,642		
5p	Campus Drive						2450		LF	1	1	2450				\$2,450	\$2,450		
5q	Arlingham Road, Penn Street, Valley Green Road from Penn Street to Church Road						2382		LF	1	1	2382				\$2,382	\$2,382		
5r	Valley Green Road from Valley Green Park Trail (2x) to Camp Hill Road		2369						LF	100	0.8	189520				\$189,520	\$189,520		
5s	Camp Hill Road from Valley Green Road to Pennsylvania Avenue (see comment)						1978		LF	1	1	1978				\$1,978	\$1,978	Coordinate with Springfield Twp.	
5t	Pennsylvania Avenue from Commerce Drive to Camp Hill Road (see comment)						5521		LF	1	1	5521				\$5,521	\$5,521	Coordinate with Springfield Twp.	
5u	Joshua Road from Ft Wash State Park to Skippack Pike; Lafayette Avenue to Morris Rd.						9206		LF	1	1	9206				\$9,206	\$9,206		
									LF	0	1	0				\$0	\$0		
	A construction contingency of 15% should be provided.	0	24194	0	7541	0	54862	10836	LF								Phase Total:	\$2,940,396	
	Design/Engineering fees should range 15-20%	0.0	4.6	0.0	1.4	0.0	10.4	2.1	Miles										
	No acquisition costs are included.																		

Whitemarsh Township Pedestrian and Bicycle Network Plan

SUMMARY of OPINION of PROBABLE COST

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Date: May 14, 2009

Miles of Proposed Network									
	Neighborhood Street	Multi-use Trail (Ped/Bike)	Trail/Footpath (Earthen)	Sidepath (Gravel or Asphalt)	Sidewalk	On-Road Bike Route (Signed)	Bike Lanes		
Phase								Cost	Comments
1	0.0	0.8	0.0	0.0	0.0	0.0	0.0	\$401,600	
2	1.8	0.6	0.0	0.5	4.0	0.8	2.7	\$1,238,632	
3	0.2	2.2	0.1	0.8	2.2	4.5	0.8	\$2,152,533	
4	0.0	2.7	3.0	4.1	0.0	1.3	0.0	\$3,021,949	
5	0.0	4.6	0.0	1.4	0.0	10.4	2.1	\$2,940,396	
TOTAL	2.0	10.9	3.1	6.9	6.2	16.9	5.5	\$9,755,110	