

VI. Preliminary Estimate of Costs

Compiled By: CVDA & CTC

Date (s): March 17, 2016 and March 25, 2016

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Plymouth Creek Trailhead						453,650
General landscaping	500	20	sf	10,000	10	100,000
Lighting: parking area			ea	8	11,000	88,000
Porous paving parking area with ±45 spaces			sp	45	2,100	94,500
Pedestrian bridge	100	8'	ea	1	120,000	120,000
Restroom facilities			ea	1	20,000	20,000
Site furniture (1 bench & 1 trash receptacle per 100')	350		lf	4	5,000	17,500
Trees			ea	21	650	13,650
Plymouth Falls Boat Launch						592,650
100' diameter cul-de-sac			sf	7,900	8	63,200
Porous paving service drive	120	20	sf	2,400	6	14,400
Docks			ea	2	8,000	16,000
Gazebo			ea	1	75,000	75,000
General landscaping	350	50	sf	17,500	10	175,000
Lighting: service drive & cul-de-sac			ea	6	11,000	66,000
Lighting: pedestrian (1 fixture per 50')	400		ea	8	11,000	88,000
Restroom facilities			ea	1	20,000	20,000
Site furniture (1 bench & 1 trash receptacle per 100')	400		ea	4	5,000	20,000
Trees			ea	33	650	21,450
Walk with steel edging (from start of study area to canal)	400	16	sf	6,400	5.25	33,600
Plymouth Canal						832,700
Berm			ea	1	8,000	8,000
Canal, with ice skating capabilities			ea	1	125,000	125,000
General landscaping	700	15	sf	10,500	10	105,000
Fishing pier			ea	1	8,000	8,000

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Lighting: parking area			ea	8	11,000	88,000.00
Lighting: pedestrian (1 fixture per 50')	700		ea	14	11,000	154,000
Porous paving parking areas for ±40 cars and service drive			sp	40	2,100	84,000
Picnic pavilion			ea	2	30,000	60,000
Site furniture (1 bench & 1 trash receptacle per 100')	700		ea	7	5,000	35,000
Trees			ea	74	650	48,100
Walk with steel edging (from canal to athletic fields)	700	32	sf	22,400	5.25	117,600
Oak Street Athletic Fields						2,577,925
Athletic fields (150' x 300')			ea	2	370,000	740,000
General landscaping	1,000	15	sf	15,000	10	150,000
Lawn			sf	52,000	0.05	2,600
Lighting: pedestrian (1 fixture per 50')	1,300		ea	26	11,000	286,000
Porous paving parking area with ±120 spaces			sp	120	2,100	252,000
Riparian meadow	750	50	sf	37,500	0.35	13,125
Site furniture (1 bench & 1 trash receptacle per 100')	1,300		ea	13	5,000	65,000
Solar panels over parking area			sp	120	7,000	840,000
Tennis courts			ea	2	60,000	120,000
Walk with steel edging (from athletic fields to bridge)	1,300	16	sf	20,800	5.25	109,200
Oak Street Extension						83,000
Asphalt street with curb	150	40	sf	6,000	8	48,000
Concrete sidewalks	300	5	sf	1,500	10	15,000
Rail crossing			ls	1	15,000	15,000
Signage			ls	1	5,000	5,000
Two Boroughs Bridge						1,368,900
General landscaping	400	50	sf	20,000	10	200,000
Lighting: pedestrian (1 fixture per 50')	350		ea	7	11,000	77,000
Site furniture (1 bench & 1 trash receptacle per 100')	350		ea	4	5,000	17,500
Suspended pedestrian bridge	1,000		ea	1	1,000,000	1,000,000
Under bridge play area with tot lot	200	50	ea	1	45,000	45,000

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Walk with steel edging (under bridge, along play area)	350	16	sf	5,600	5.25	29,400
Ash Street Plaza						1,877,100
Canopies/dining tents: private property, by others			ea	6		—
Elevated, over parking plazas: private property, by others	180	80	sf	14,400		—
Elevator tower/cantilevered overlook			ls	1	750,000	750,000
General landscaping	1,650	20	sf	33,000	10	330,000
Lighting: pedestrian (1 fixture per 50')	1,650		ea	33	11,000	363,000
Ramp & stairs at plaza			ls	1	250,000	250,000
Trees			ea	70	650	45,500
Walk with steel edging (from bridge to ramp)	1,650	16	sf	26,400	5.25	138,600
Millennium Meadow						264,585
General landscaping	250	50	sf	12,500	10	125,000
Lawn	350	100	sf	35,000	0.05	1,750
Lighting: pedestrian (1 fixture per 50')	350		ea	7	11,000	77,000
Riparian meadow	350	70	sf	24,500	0.35	8,575
Site furniture (1 bench & 1 trash receptacle per 100')	390		ea	4	5,000	19,500
Walk with steel edging (from ramp to cul-de-sac)	390	16	sf	6,240	5.25	32,760
Poplar Street Cul-de-Sac						393,350
100' diameter cul-de-sac			sf	7,900	8	63,200
Fountain			ea	1	100,000	100,000
General landscaping	300	10	sf	3,000	10	30,000
Lighting: accent/focal point			ea	8	11,000	88,000
Flags/banner			ea	6	15,000	90,000
Site furniture (1 bench & 1 trash receptacle per 100')	300		ea	3	5,000	15,000
Trees			ea	11	650	7,150
Conshohocken Boathouse Esplanade						649,400
Concrete plank boat ramp	120	20	sf	2,400	15	36,000
Elevated esplanade	400	16	sf	6,400	50	320,000
General landscaping	600	30	sf	18,000	10	180,000

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Lighting: pedestrian (1 fixture per 50')	250		ea	5	11,000	55,000
Riparian meadow	700	30	sf	21,000	0.35	7,350
Site furniture (1 bench & 1 trash receptacle per 100')	250		ea	3	5,000	12,500
Trees			ea	27	650	17,550
Walk with steel edging (from Poplar St. to Cherry St.)	250	16	sf	4,000	5.25	21,000
Cherry Street Cul-de-Sac						318,400
100' diameter cul-de-sac			sf	7,900	8	63,200
Monument to Industry			ea	1	250,000	250,000
Trees			ea	8	650	5,200
Riverfront Allée						2,915,975
Porous paving bike path	1,650	10	sf	16,500	6.00	99,000
Azaleas			ea	1,660	150	249,000
Band shell with solar panels			ea	1	800,000	800,000
General landscaping	1,650	25	sf	41,250	10	412,500
Lighting: pedestrian (1 fixture per 50')	3,300		ea	66	11,000	726,000
Seating area with steel edging	100	100	sf	10,000	5.25	52,500
Site furniture (1 bench & 1 trash receptacle per 100')	1,650		ea	17	5,000	82,500
Trees			ea	120	800	96,000
Walk with steel edging (from cul-de-sac to band shell)	1,650	30	sf	49,500	5.25	259,875
Walk with steel edging (from cul-de-sac to band shell)	1,650	16	sf	26,400	5.25	138,600
Athletic Fields						1,568,900
Athletic fields	300	150	ea	3	350,000	1,050,000
General landscaping	300	30	sf	9,000	10	90,000
Lawn	1,200	200	sf	240,000	0.05	12,000
Lighting: parking area			ea	6	11,000	66,000
Porous paving parking area for ±93 cars			sp	93	2,100	195,300
Restroom facilities			ls	1	20,000	20,000
Site furniture (1 bench & 1 trash receptacle per 100')	1,800		ls	18	5,000	90,000
Trees			ea	57	800	45,600

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Launch-Rowing Center Esplanade						893,475
Elevated esplanade	400	16	sf	6,400	50	320,000
General landscaping	1,000	20	sf	20,000	10	200,000
Lawn	250	50	sf	12,500	0.05	625
Lighting: pedestrian (1 fixture per 50')	1,000		ea	20	11,000	220,000
Riparian meadow	100	60	sf	6,000	0.35	2,100
Site furniture (1 bench & 1 trash receptacle per 100')	1,000		ls	10	5,000	50,000
Trees			ea	71	650	46,150
Walk with steel edging (from band shell to elevated esplanade)	650	16	sf	10,400	5.25	54,600
SEPTA Park & Ride Area						1,423,600
Elevated esplanade	1,000	16	sf	16,000	50	800,000
General landscaping	900	30	sf	27,000	10	270,000
Green screen on parking structure	460	12	sf	5,520	15	82,800
Lawn	900	40	sf	36,000	0.05	1,800
Lighting: pedestrian (1 fixture per 50')	900		ea	18	11,000	198,000
Site furniture (1 bench & 1 trash receptacle per 100')	900		ls	9	5,000	45,000
Trees			ea	40	650	26,000
PECO Park & Walk						617,000
Boardwalk trail	800	8	sf	6,400	40	256,000
General landscaping	800	10	sf	8,000	10	80,000
Lighting: parking area			ea	4	11,000	44,000
Lighting: pedestrian (1 fixture per 50')	800		ea	16	11,000	176,000
Porous paving parking area for ±10 cars			sp	10	2,100	21,000
Site furniture (1 bench & 1 trash receptacle per 100')	800		ea	8	5,000	40,000
Trailhead at Spring Mill Park						490,150
Porous paving driveway with curbs	250	24	sf	6,000	8	48,000
Restroom facilities			ea	1	20,000	20,000
Concrete paving			sf	6,200	8	49,600
Lighting: parking area			ea	8	11,000	88,000
Lighting: pedestrian (1 fixture per 50')	350		ea	7	11,000	77,000

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
Porous paving parking area for 30 cars			sp	30	2,100	63,000
Site furniture (1 bench & 1 trash receptacle per 100')			ls	1	5,000	5,000
Tot lot			ea	1	85	85,000
Trees			ea	71	650	46,150
Walk with steel edging	100	16	sf	1,600	5.25	8,400
Lee Street Loop						510,500
Elm Street/Colwell Lane Access			ls	1	500,000	500,000
Signage			ea	15	700	10,500
Quaker Quick Trail & Elm Street Square Trail Access						7,000
Bollards			ea	3	800	2,400
Easement-private property-separately determined					—	—
Site furniture (1 bench & 1 trash receptacle)	350		lf	1	2,500	2,500
Signage			ea	3	700	2,100
Cyclone Bridge						3,093,800
Bridge, with concrete supports and 5 x 25' wind vanes around bridge	900		ea	1	3,000,000	3,000,000
Bridge ramp	350		ea	1		—
Lighting: pedestrian (1 fixture per 50')	350		ea	7	11,000	77,000
Walk with steel edging	200	16	sf	3,200	5.25	16,800
Trail, SEPTA Corridor & Washington St Improvements						1,014,800
Crosswalks (across RR & Washington St)			ea	14	15,000	210,000
Clean-up area along railroad (20' on each side of tracks)	6,700	40	sf	268,000	2	536,000
Trees along railroad			ea	336	800	268,800
Bike Path on South Side of River						293,000
Porous paving bike trail on south side of river	8,000	6	sf	48,000	6.00	288,000
Signage			ls	1	5,000	5,000

Description	Length (feet)	Width (feet)	Cost basis	Total quant.	Unit cost (\$)	Approx. Cost (\$)
ESTIMATE CONSTRUCTION						22,239,860
Contingency (15%)						3,335,979
SUBTOTAL						25,575,839
Professional Fees (10%)						2,557,583.90
GRAND TOTAL						28,133,422.90