



IMPLEMENTATION

Photo: Eagleville Park



Recommended Implementation Schedule

Implementation of all plan recommendations will require at least a decade or more. Plan recommendations are categorized by timeline priorities of immediate (1-3 years), mid-term (1-5 years), and long-term (6+ years) with relative estimated costs, potential partners, and funding sources. Costs to implement recommendations are divided into three categories:

- Low = less than \$100K,
- Medium = less than \$500K, and
- High = greater than \$500K.

This plan will need to be revisited and updated periodically, at least every decade, to address new recreational trends and other changes that may occur within the Township.

Action	Partnerships	Funding Sources	Costs
Costs : <\$100K = low, <\$500K = medium, >\$500K = high			
Park Facility Improvements			
Short-term (1-3 years)			
Address ADA park access improvements (refer to cost estimate for detailed ADA improvements at the following parks): Dell Angelo, Eagleville, Eskie, Evansburg Point, Sherwood, MARA	Parks and Recreation, consulting firm, Public Works	General funds	Medium
Address safety issues of park equipment	Parks and Recreation, consulting firm, Public Works	General funds	Medium / High
Start to implement recommendations of additional park improvements	Board of Supervisors, Parks and Recreation, Public Works	DCNR, DCED, Penn Vest, general funds	Medium / High
Annual Park Audit	Certified Playground Safety Inspector	General funds	Low
Mid-term (4-7 years)			
Continue to replace park furnishings	Board of Supervisors, Parks and Recreation, Public Works	DCNR, DCED, Penn Vest, general funds	Low / Medium
Continue to implement recommendations of park improvements	Board of Supervisors, Parks and Recreation, Public Works	DCNR, DCED, PennDOT, Penn Vest, Montgomery County, general funds	Medium / High
Long-term (8+ years)			
Continue implementation of recommendations of park improvements	Board of Supervisors, Parks and Recreation, Public Works	DCNR, DCED, PennDOT, Penn Vest, Montgomery County, general funds	Medium / High
Open Space Preservation &/or Acquisition			
Short-term (1-3)			
Prepare an Official Map to identify approved parcels and the trails plan	County Planning Commission, Board of Supervisors	General Funds	Low
Land preservation for open space / greenway connections : Heyser, BooBoo, Gorski	County Planning Commission, Board of Supervisors, Property owners	DCNR, Penn Vest, DCED, General Funds	High

Agricultural preservation: KeyBank, Cicchiello parcels (coordinate with Worcester TWP)	County Planning Commission, Board of Supervisors, Property owners	DCNR, Penn Vest, DCED, General Funds	High
Encourage Montgomery County to acquire St. Gabriel's 9ac parcel & merge with other County lands.	County Planning Commission, Board of Supervisors, Property owners	DCNR, Penn Vest, DCED, General Funds	High
Long-term & Ongoing (8+) <i>**Refer to Parcel Preservation Matrix for More Detail</i>			
Preserve parcels as open space: IBEW, Kunda, Parris, McKay, Hideaway, Webster, Mascaro, ValleyCrest, SLI, Sunnyside Ave, Shannondell, RG Club, St. Gabriel's B, Hospital, Ridgetop	Planning Commission, Board of Supervisors, Property owners	DCNR, DCED, Penn Vest, Montgomery County	High
Multimodal Improvements			
Short-term (1-3 years)			
Cranberry Park / Central Perkiomen Park Trail	Montgomery County, Collegeville Borough,	DCED MTF, DCED GTRP, DCED, DCNR C2P2	Low
Mid-term (4-7 years)			
Park Pointe Sidepath; Egypt Road Bridge Improvements	DCNR Evansburg State Park, Skippack Creek Watershed Alliance	PennDOT TA Set-Aside, PennDOT MTF, PennDOT SRTS, DCED MTF, DCED GTRP, DCNR C2P2	High
Evansburg State Park Connector	DCNR Evansburg State Park, Skippack Creek Watershed Alliance	PennDOT TA Set-Aside, PennDOT MTF, DCED MTF, DCED GTRP, , DCNR C2P2	High
Eskie Park Loop Trail Extension	Worcester Township, Montgomery County	PennDOT TA Set-Aside, PennDOT MTF, DCED MTF, DCED GTRP, , DCNR C2P2	High
Long-term (8+ years)			
Valley Forge National Park Connector	National Park Service, Montgomery County	DCED MTF, DCED GTRP, DCED, DCNR C2P2, FHWA FLAP	High
Ongoing			
Sidewalks - fill gaps when opportunity & grant funding arises	National Park Service, Montgomery County	PennDOT TA Set-Aside, PennDOT MTF, PennDOT SRTS, DCED MTF, DCED GTRP, DCNR C2P2	High
On-Road Bicycle Facilities - Coordinate with Township, County, and PennDOT road improvements.	National Park Service, Montgomery County	PennDOT TA Set-Aside, PennDOT MTF, PennDOT SRTS, DCED MTF, DCED GTRP, DCNR C2P2	High
Recreation, Program, and Maintenance Recommendations			
Year 1			
Increase Park Maintenance by adding three season staff maintenance workers for 1,000 hours each per year (mid-March – mid-October). \$13.50 x 1000 hours x 3 staff	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$40,500)

Provide additional learning opportunities for maintenance and administrative staff	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$800)
Investigate partnerships opportunities to provide year-round programming	Methacton School District, Private Facilities	N/A	No Cost
Charge the Director of Parks and Recreation, with input from the Park Board, to review current policies, rental fees, and program fees for residents' verses non-residents.	Board of Supervisors, Parks and Recreation, Public Works	N/A	No Cost
Year 2			
Continue the seasonal maintenance workers 1,000 hours each at 3.5% increase	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$41,920)
Provide for one full time staff member to become a Certified Playground Safety Inspector	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$1,000)
Develop an environmental best management practices brochure for distribution to residents	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$1,250)
Year 3			
Continue the seasonal maintenance workers 1,000 hours 3.5% increase	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$43,390)
Purchase a zero-turn mower for park grass cutting maintenance	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$13,500)
Year 4			
Continue the seasonal maintenance workers 1,000 hours 3.5% increase	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$44,910)
Consider a feasibility study for a Township owned indoor recreation facility	Board of Supervisors, Parks and Recreation, Public Works	DCNR C2P2, General funds, Program Revenue	Low (\$50,000)
Year 5			
Continue the seasonal maintenance workers 1,000 hours 3.5% increase	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$46,481)
Purchase a zero turn mower for park grass cutting maintenance	Board of Supervisors, Parks and Recreation, Public Works	General funds, Program Revenue	Low (\$14,200)

Estimated Costs of Development

These cost estimates are for implementation of all proposed improvements within the facility-specific recommendations in this plan. As final design and engineering is prepared for specific improvements, more finely detailed cost estimates should be developed.

Please note that all projects will not be completed at the same time, and would be approached individually and strategically depending on available grants and other funding sources.

Estimated Park Facility Improvement Costs:

Total Proposed Facility Improvements		\$ 4,587,725
Mobilization (2%)		\$ 91,755
Construction Surveying (1%)		\$ 45,877
Erosion and Sedimentation Control (1.5%)		\$ 68,816
Storm Water Management (5%)		\$ 229,386
Construction Contingency (10%)		\$ 458,773
Design and Engineering (10%)		\$ 458,773
Total Estimated Project Costs		\$ 5,941,104

	Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
Municipal Facilities					
1. Dell Angelo Park Improvements		SF	Sub Total		\$ 67,840
1.A	ADA Access Path to Playground (concrete)	60 LF	\$ 28.00	\$ 1,680	
1.B	Pavilion	1 LS	\$ 20,000.00	\$ 20,000	
1.C	Swingset (Four Seats / Two Bays)	1 LS	\$ 2,400.00	\$ 2,400	
1.D	Swingset Safety Surface Area	1,200 SF	\$ 25.00	\$ 30,000	
1.E	Ridge Pike Sidewalk Connection (concrete)	420 LF	\$ 28.00	\$ 11,760	
1.F	Park Signage Along Ridge Pike	1 EA	\$ 2,000.00	\$ 2,000	
2. Eagleville Park Improvements		SF	Sub Total		\$ 1,570,875
2.A	ADA Access Path to Bocce Courts	75 LF	\$ 28.00	\$ 2,100	
2.B	Pave and Formalize Parking Area (Aphalt)	5,555 SY	\$ 45.00	\$ 249,975	
2.C	Field Option A: Aerate and Seed	57,000 SF	\$ 2.50	\$ 142,500	
2.C	Field Option B: Convert to Turf Field	1 LS	\$ 1,000,000.00	\$ 1,000,000	
2.D	ADA Access to Restroom - Remove Partition	1 LS	\$ 200.00	\$ 200	
2.E	Expand Swingset Safety Surface Area	500 SF	\$ 25.00	\$ 12,500	
2.F	New Amphitheater at Upper Lawn	1 LS	\$ 100,000.00	\$ 100,000	
2.G	ADA Picnic Tables	6 EA	\$ 1,000.00	\$ 6,000	
2.H	ADA Access to Tennis Courts	150 LF	\$ 28.00	\$ 4,200	
2.I	Convert Current Amphitheater to Pavilion	1 LS	\$ 50,000.00	\$ 50,000	
2.J	Protective plastic guards to Gaugler baseball field fencing for safety	1 EA	\$ 300.00	\$ 300	
2.K	Sweetgum Lane Signage	1 EA	\$ 1,000.00	\$ 1,000	
2.L	Naturalize Library Basin - Native Meadow Plantings	0.35 AC	\$ 6,000.00	\$ 2,100	
3. Eskie Park Improvements		SF	Sub Total		\$ 163,195
3.A	Expand Swingset & Playground Safety Surface Area	1,000 SF	\$ 25.00	\$ 25,000	
3.B	Shade Trees	12 EA	\$ 500.00	\$ 6,000	
3.C	Re-grade for Multi-Use Field	500 CY	\$ 20.00	\$ 10,000	
3.D	ADA Picnic Tables	6 EA	\$ 1,000.00	\$ 6,000	
3.E	ADA Benches	6 EA	\$ 1,450.00	\$ 8,700	
3.F	BMP Plantings	1,000 SF	\$ 7.50	\$ 7,500	
3.G	Additional Parking - 25 Spaces	1,111 SY	\$ 45.00	\$ 49,995	
3.H	Eskie Loop Trail Extension (See Multimodal Improvement Costs)				
3.J	Pickleball Court	1 EA	\$ 50,000.00	\$ 50,000	
4. Evansburg Point Park Improvements (property owned by DCNR and leased by Lower Providence)		SF	Sub Total		\$ 1,131,300
4.A	Sidewalk Connection to Level Road (concrete)	200 LF	\$ 28.00	\$ 5,600	
4.B	Shade Trees	15 EA	\$ 500.00	\$ 7,500	
4.C	Upgrade Snack Shack Facility	1 LS	\$ 100,000.00	\$ 100,000	
4.D	ADA Access for Pavilion	1 LS	\$ 1,000.00	\$ 1,000	
4.E	ADA Picnic Tables	6 EA	\$ 1,000.00	\$ 6,000	
4.F	Convert to Turf Field	1 LS	\$ 1,000,000.00	\$ 1,000,000	
4.G	Native Meadow Plantings	0.20 AC	\$ 6,000.00	\$ 1,200	
4.H	Stormwater Basin	1,000 SF	\$ 10.00	\$ 10,000	

	Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
5. Hoy Park Improvements		SF	Sub Total		\$ 178,550
5.A	Trail Kiosk	1.00 EA	\$ 1,000.00	\$ 1,000	
5.B	Restroom Facility - on Concrete Pad, w Electrical & Water Service	1 LS	\$ 160,000.00	\$ 160,000	
5.C	ADA Picnic Tables	6 EA	\$ 1,000.00	\$ 6,000	
5.C	ADA Benches	6 EA	\$ 1,450.00	\$ 8,700	
5.D	Trash Receptacles	3 EA	\$ 950.00	\$ 2,850	
5.E	Evansburg Connector (See Multimodal Improvement Costs)				
	Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
6. Pond View Park Improvements		SF	Sub Total		\$ 9,300
6.A	Songbird Meadow	0.20 AC	\$ 6,000.00	\$ 1,200	
6.B	3-5' Wide Earthen Trail	1,800 LF	\$ 4.50	\$ 8,100	
7. Redtail Park Improvements		SF	Sub Total		\$ 383,400
7.A	Sidewalk Connection to Eagleville Rd (concrete)	280 LF	\$ 28.00	\$ 7,840	
7.B	Parking Area: Shade Trees	10 EA	\$ 500.00	\$ 5,000	
7.C	Parking Area: Stormwater BMP	130 CY	\$ 132.00	\$ 17,160	
7.D	Shade Trees	12 EA	\$ 500.00	\$ 6,000	
7.E	Perimeter Trail (stone dust)	1,800 LF	\$ 18.00	\$ 32,400	
7.F	Clear Debris - Amend Soil	6,000 CY	\$ 2.50	\$ 15,000	
7.G	Shade Trees	15 EA	\$ 500.00	\$ 7,500	
7.H	Improve Existing Stormwater Basin	13,000 SF	\$ 2.50	\$ 32,500	
7.I	Restroom Facility - on Concrete Pad, w Electrical & Water Service	1 LS	\$ 160,000.00	\$ 160,000	
7.J	Aerate and Seed Soccer Field	40,000 SF	\$ 2.50	\$ 100,000	
8. Sherwood Park Improvements		SF	Sub Total		\$ 116,130
8.A	Shade Trees	7 EA	\$ 500.00	\$ 3,500	
8.B	Play Area Safety Surface	3,600 SF	\$ 25.00	\$ 90,000	
8.C	Improved ADA Walkway 4' Wide (concrete)	60 LF	\$ 28.00	\$ 1,680	
8.D	Evergreen Buffer - 4' Eastern Red Cedar	30 EA	\$ 75.00	\$ 2,250	
8.E	ADA Benches	6 EA	\$ 1,450.00	\$ 8,700	
8.F	New Swingset	1 LS	\$ 10,000.00	\$ 10,000	
Privately-Owned Facilities					
9. Mascaro Field Recommended Improvements*		SF	Sub Total		\$ 18,000
*LPT can recommend meadow improvements, but ultimate decision will be with private owner.					
9.A	Native Meadow Plantings	3 AC	\$ 6,000.00	\$ 18,000	
Montgomery County Facilities*					
*All recommended improvements for County-owned land will require County approval and cooperation.					
10. MARA Baseball/Softball Fields Improvements		SF	Sub Total		\$ 385,460
10.A	Naturalize & Improve Stormwater Basin	3,000 SF	\$ 10.00	\$ 30,000	
10.B	Shade Trees in Parking Area	12 EA	\$ 500.00	\$ 6,000	
10.C	Thin Tree Buffer for Security & Visibility	1 LS	\$ 5,000.00	\$ 5,000	
10.D	Pavilion, 24' x 44'	1 LS	\$ 80,000.00	\$ 80,000	
10.E	ADA Pathway Between Ballfields (stone dust)	2,750 LF	\$ 18.00	\$ 49,500	
10.F	Native Meadow Plantings	0.16 AC	\$ 6,000.00	\$ 960	
10.G	New Footbridge	1 LS	\$ 25,000.00	\$ 25,000	
10.H	Expand Swingset Safety Surface Area	1,000 SF	\$ 25.00	\$ 25,000	
10.I	Expand Playground Safety Surface Area	1,000 SF	\$ 25.00	\$ 25,000	
10.J	Sidewalk Connection Along Audubon Road (concrete)	800 LF	\$ 80.00	\$ 64,000	
10.K	Shade Trees Along Audubon Road	10 EA	\$ 500.00	\$ 5,000	
10.L	Pedestrian Intersection Improvements (ADA curb cuts, detectable warning surfaces)	1 LS	\$ 16,000.00	\$ 16,000	
10.M	30 car parking area, coordinate with Montgomery County (County-owned parcel).	1,200 SY	\$ 45.00	\$ 54,000	
11. Knights Cricket Field Improvements		SF	Sub Total		\$ 563,675
11.A	Mown Loop Trail	3,500 LF	\$ 0.50	\$ 1,750	
11.B	Dog Park (small and large dog)	98,000 SF	\$ 1.50	\$ 147,000	
11.C	Station Avenue Parking (50 spaces)	1,888 SY	\$ 45.00	\$ 84,960	
11.D	Pawlings Road Trailhead Parking Expansion (100 spaces)	3,777 SY	\$ 45.00	\$ 169,965	
11.E	Restroom Facility - on Concrete Pad, w Electrical & Water Service	1 LS	\$ 160,000.00	\$ 160,000	

Estimated Multimodal Improvement Costs:

Total Proposed Facility Improvements				\$	8,919,795
Mobilization (2%)				\$	178,396
Construction Surveying (1%)				\$	89,198
Erosion and Sedimentation Control (1.5%)				\$	133,797
Storm Water Management (5%)				\$	445,990
Construction Contingency (10%)				\$	891,980
Design and Engineering (10%)				\$	891,980
Total Estimated Project Costs				\$	11,551,135
	Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
Multi-use Trails					
Cranberry Park / Central Perkiomen Park Trail			Sub Total		\$ 30,195
	Earthen Trail	1.27 MI	\$ 4.50	\$ 30,195	\$ 30,195
Evansburg State Park Connector			Sub Total		\$ 660,000
	Asphalt Trail (10' Wide)	0.66 MI	\$ 1,000,000.00	\$ 660,000	
Eskie Park Loop Trail Extension			Sub Total		\$ 650,000
	Asphalt Trail (10' Wide)	0.65 MI	\$ 1,000,000.00	\$ 650,000	
Valley Forge National Park Connector			Sub Total		\$ 2,530,000
	10' W Asphalt Trail	2.53 MI	\$ 1,000,000.00	\$ 2,530,000	
Park Pointe Sidepath			Sub Total		\$ 1,400,000
	Asphalt Trail (5-8' Wide)	1.40 MI	\$ 1,000,000.00	\$ 1,400,000	
Egypt Road Water Trail Access			Sub Total		\$ 70,000
	Asphalt Trail (5-8' Wide)	0.07 MI	\$ 1,000,000.00	\$ 70,000	

Multimodal Bridge Crossing

As noted in chapter three, there are two Perkiomen Creek crossings identified in this report.

- Yerkes Road Pedestrian Bridge
- Perkiomen Pedestrian Bridge from Evansburg State Park Connector (at Hoy Park)

The Township, in coordination with other partners such as Montgomery County, and Upper Providence Township, Lower Providence should conduct standalone feasibility studies to pursue one of the above bridge alternatives

Due to the size and span of each conceptual crossing and numerous engineering variables, a feasibility study is required for cost estimates of these alternatives.

Bicycle Infrastructure Alternative: Sharrows

For each of the priority bicycle routes identified on the next page, additional study is required to determine the best infrastructure for each route.

This cost estimate includes assumed costs for bike lanes (\$10 per linear foot, 5' minimum width on road separated from traffic with or without a buffer).

The reality is that not all roads can accommodate bicycle lanes, and in some instances sharrows will be used. The alternative costs for sharrows can be substituted where appropriate and are not included in the total estimated project costs above.

Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
Sidewalks				
	63,015 LF	Sub Total		\$ 1,782,020
Audubon Road	3,050 LF	\$ 28.00	\$ 85,400	
Pawlings Road (Between Audubon Rd & Egypt Rd)	985 LF	\$ 28.00	\$ 27,580	
Thrush Lane	400 LF	\$ 28.00	\$ 11,200	
Egypt Road	7,400 LF	\$ 28.00	\$ 207,200	
Wedgewood Way	400 LF	\$ 28.00	\$ 11,200	
Crawford Road	5,100 LF	\$ 28.00	\$ 142,800	
Pinetown Road	1,900 LF	\$ 28.00	\$ 53,200	
Arcola Road	7,000 LF	\$ 28.00	\$ 196,000	
Level Road	5,730 LF	\$ 28.00	\$ 160,440	
Ridge Pike	7,180 LF	\$ 28.00	\$ 201,040	
Eagleville Road	2,300 LF	\$ 28.00	\$ 64,400	
Visitation Road	3,300 LF	\$ 28.00	\$ 92,400	
Marilyn Avenue	900 LF	\$ 28.00	\$ 25,200	
Clearfield Avenue	4,100 LF	\$ 28.00	\$ 114,800	
Appledale Road	1,400 LF	\$ 28.00	\$ 39,200	
Miami Avenue	300 LF	\$ 28.00	\$ 8,400	
N Park Avenue	860 LF	\$ 28.00	\$ 24,080	
Church Road	2,700 LF	\$ 28.00	\$ 75,600	
Summit Avenue	1,200 LF	\$ 28.00	\$ 33,600	
Evansburg Road	2,500 LF	\$ 28.00	\$ 70,000	
Germantown Pike	910 LF	\$ 28.00	\$ 25,480	
River Road	600 LF	\$ 28.00	\$ 16,800	
Collegeville Road	1,150 LF	\$ 28.00	\$ 32,200	

Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
On-Road Bicycle Infrastructure				
Bike Lanes	124,038 LF	Sub Total		\$ 1,240,380
Local Rural Scenic	570 LF		5,700	
Creek Road	570 LF	\$ 10.00	\$ 5,700	
Local Urban Route	11,725 LF		117,250	
Skippack Creek Road	875 LF	\$ 10.00	\$ 8,750	
Township Line Road	6,230 LF	\$ 10.00	\$ 62,300	
Church Road	4,620 LF	\$ 10.00	\$ 46,200	
Collector Urban	44,483 LF		444,830	
Evansburg Road (Ridge Pike to Germanotwn Pike)	2,610 LF	\$ 10.00	\$ 26,100	
Evansburg Road (Germanotwn Pike to Township Line Rd)	2,515 LF	\$ 10.00	\$ 25,150	
Arcola Road	7,920 LF	\$ 10.00	\$ 79,200	
Eagleville Road (Arcola Road to Ridge Pike)	7,235 LF	\$ 10.00	\$ 72,350	
Eagleville Road (Sunnyside Ave to Arcola Road)	5,700 LF	\$ 10.00	\$ 57,000	
Level Road	10,243 LF	\$ 10.00	\$ 102,430	
Audubon Road	6,175 LF	\$ 10.00	\$ 61,750	
Crawford Road	2,085 LF	\$ 10.00	\$ 20,850	
Minor Arterial	25,030 LF		250,300	
Pawlings Road	8,185 LF	\$ 10.00	\$ 81,850	
S Park Avenue	10,560 LF	\$ 10.00	\$ 105,600	
N Trooper Road	6,285 LF	\$ 10.00	\$ 62,850	
Principal Arterial	42,230 LF		422,300	
Egypt Road	12,305 LF	\$ 10.00	\$ 123,050	
S Trooper Road	5,255 LF	\$ 10.00	\$ 52,550	
Ridge Pike	22,810 LF	\$ 10.00	\$ 228,100	
Germantown Pike	1,860 LF	\$ 10.00	\$ 18,600	

Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
Bike Route OPTION B: Sharrows	124,038 LF	Sub Total		\$ 337,619
Sharrows Markings at 250' Intervals				
Local Rural Scenic	570 LF		1,925	
Creek Road	570 LF			
Sharrows, at 250' LF interval	570 LF	\$ 2.50	\$ 1,425	
"Share the Road" Signage	2 EA	\$ 250.00	\$ 500	
Local Urban Route	11,725 LF		31,313	
Skippack Creek Road	875 LF			
Sharrows, at 250' LF interval	875 LF	\$ 2.50	\$ 2,188	
"Share the Road" Signage	2 EA	\$ 250.00	\$ 500	
Township Line Road	6,230 LF			
Sharrows, at 250' LF interval	6,230 LF	\$ 2.50	\$ 15,575	
"Share the Road" Signage	2 EA	\$ 250.00	\$ 500	
Church Road	4,620 LF			
Sharrows, at 250' LF interval	4,620 LF	\$ 2.50	\$ 11,550	
"Share the Road" Signage	4 EA	\$ 250.00	\$ 1,000	
Collector Urban	44,483 LF		120,232	
Evansburg Road (Ridge Pike to Germanotwn Pike)	2,610 LF			
Sharrows, at 250' LF interval	2,610 LF	\$ 2.50	\$ 6,525	
"Share the Road" Signage	2 EA	\$ 250.00	\$ 500	
Evansburg Road (Germanotwn Pike to Township Line)	2,515 LF			
Sharrows, at 250' LF interval	2,515 LF	\$ 2.50	\$ 6,288	
"Share the Road" Signage	2 EA	\$ 250.00	\$ 500	
Arcola Road	7,920 LF			
Sharrows, at 250' LF interval	7,920 LF	\$ 2.50	\$ 19,800	
"Share the Road" Signage	8 EA	\$ 250.00	\$ 2,000	
Eagleville Road (Arcola Road to Ridge Pike)	7,235 LF			
Sharrows, at 250' LF interval	7,235 LF	\$ 2.50	\$ 18,088	
"Share the Road" Signage	4 EA	\$ 6.00	\$ 24	
Eagleville Road (Sunnyside Ave to Arcola Road)	5,700 LF			
Sharrows, at 250' LF interval	5,700 LF	\$ 2.50	\$ 14,250	
"Share the Road" Signage	4 EA	\$ 250.00	\$ 1,000	
Level Road	10,243 LF			
Sharrows, at 250' LF interval	10,243 LF	\$ 2.50	\$ 25,608	
"Share the Road" Signage	10 EA	\$ 250.00	\$ 2,500	
Audubon Road	6,175 LF			
Sharrows, at 250' LF interval	6,175 LF	\$ 2.50	\$ 15,438	
"Share the Road" Signage	6 EA	\$ 250.00	\$ 1,500	
Crawford Road	2,085 LF			
Sharrows, at 250' LF interval	2,085 LF	\$ 2.50	\$ 5,213	
"Share the Road" Signage	4 EA	\$ 250.00	\$ 1,000	
Work Item	Quantity	Unit Cost	Total Item Cost	Total Cost
Minor Arterial	25,030 LF		68,575	
Pawlings Road	8,185 LF			
Sharrows, at 250' LF interval	8,185 LF	\$ 2.50	\$ 20,463	
"Share the Road" Signage	8 EA	\$ 250.00	\$ 2,000	
S Park Avenue	10,560 LF			
Sharrows, at 250' LF interval	10,560 LF	\$ 2.50	\$ 26,400	
"Share the Road" Signage	10 EA	\$ 250.00	\$ 2,500	
N Trooper Road	6,285 LF			
Sharrows, at 250' LF interval	6,285 LF	\$ 2.50	\$ 15,713	
"Share the Road" Signage	6 EA	\$ 250.00	\$ 1,500	
Principal Arterial: Protected Bicycle Lane	42,230 LF		115,575	
Egypt Road	12,305 LF			
Sharrows, at 250' LF interval	12,305 LF	\$ 2.50	\$ 30,763	
"Share the Road" Signage	12 EA	\$ 250.00	\$ 3,000	
S Trooper Road	5,255 LF			
Sharrows, at 250' LF interval	5,255 LF	\$ 2.50	\$ 13,138	
"Share the Road" Signage	4 EA	\$ 250.00	\$ 1,000	
Ridge Pike	22,810 LF			
Sharrows, at 250' LF interval	22,810 LF	\$ 2.50	\$ 57,025	
"Share the Road" Signage	20 EA	\$ 250.00	\$ 5,000	
Germantown Pike	1,860 LF			
Sharrows, at 250' LF interval	1,860 LF	\$ 2.50	\$ 4,650	
"Share the Road" Signage	4 EA	\$ 250.00	\$ 1,000	

*Alternative to Bike Lanes - Swap In sharrows cost where appropriate.
Sharrows Not Included in Total Multimodal Improvement Cost



Maintenance and Programming Costs

The recommendations provided below outline costs necessary to provide recreation programming, maintenance practices, maintenance equipment needs, and administrative functions for Lower Providence over a five-year period.

Recreational programming was identified through survey results, key person interviews, staff discussions, and focus group interviews and reflect the desire for organized recreational opportunities year round for Lower Providence. In reviewing the opportunity for programming, the current Administrative staff performs their job functions at a high level and have the capabilities to add programming options for year round services. No additional full-time staff would be required to meet this need. However, indoor facilities are required to provide year round programs. Such facilities are not currently available to the Parks and Recreation Department. Partnerships for such additions will provide increased opportunities for year round programs. Partners may include the school district, firehouses, churches, or public / private partnerships.

Maintenance services are well provided for all parks and park visitations. Several areas were noted in this report for enhanced service and maintenance opportunities. Enhancements can be provided in maintenance staff training opportunities, minor equipment additions, seasonal park maintenance staff additions, access for persons with disabilities, and to create a brochure to provide residents educational information concerning environmental stewardship practices.

Administrative operations should review current policies and fee structures for recreation program fees, facility reservations and rentals, and other policies to make recommendations to the Board of Supervisors. It is recommended to charge the Park Board with a review of these policies and current practices.

Year one recommendation notes:

Seasonal Maintenance Workers – should be a qualified individual in park maintenance practices. In 2021, the Township has decided to provide grass cutting services in-house and not contract out those services as in past years. This will be accomplished with Township staff. The Township has three full time maintenance workers dedicated to park maintenance; however, the addition on grass cutting creates more demand for staff hours to complete current assignments and now the added grass cutting duties. The addition of three seasonal maintenance workers allows the full time staff to continue their assignments in order to maintain the parks to their current standards, while permitting seasonal workers the ability to perform grass cutting and other minor park services.

Increase training opportunities for administrative and maintenance staff. These opportunities may include environmental concerns, best practices, playground safety training, sport field maintenance, among other opportunities.

Increase trainings for horticulture and tree care management best management practices.

Also recommended for year one and have no costs associated with the recommendation:

Written agreements with community organizations (schools, firehouses, churches, and private providers) will provide opportunities for programs for youngsters through adults year-round. While some programs will occur out of doors, others require an indoor facility to hold the event. Certainly, during the fall, winter, and spring indoor locations are required.

Charge the Parks and Recreation Director, with assistance from the Parks Board, to review current policies for facility uses and rental fees which can be enacted by the Board of Supervisors.

Charge the Parks and Recreation Director, with assistance from the Parks Board, to develop a policy for program resident and non-resident fees, which can be enacted by the Board of Supervisors. Several models of various fees structures exist through the PA Recreation and Park Society or the National Recreation and Park Association. Policies will assist the administration when determining fees for future programs and will also provide written documentation should questions arise.

Year two recommendation notes:

The Delaware Valley Insurance Trust performs an annual review of all parks and playground areas. The information provided in the report details safety concerns and ranks those concerns in priority order which provides the Township an opportunity to reduce risk exposure. Training a staff person to recognize areas of exposure throughout the year provides a best management practice for the safety of all residents and other park visitors.

A best management brochure will assist residents and should be posted on the web-site and distributed through the Township in parks and other areas. Such a brochure assists the Township to meet the MS4 community educational requirements.

It is assumed that seminars and training workshops will be included in the annual operations budget; and, as training opportunities become available, staff will consider attendance and participation in those activities.

Year three recommendation notes:

The Township has decided to perform grass cutting services in-house and not utilize contracted service providers for this service. Air cooled riding mowers have a life expectancy of approximately 3,000 hours, pending maintenance provided for the equipment. A new air cooled zero turn riding mower may be required at this time.

Year four recommendation notes:

As noted in this report, indoor facilities are required for additional year round recreation programs. Also noted were discussions concerning an indoor facility owned and operated by the Township. Pending how new agreements are reached and the success of year round programming and other community needs, the Township may wish to consider a feasibility study to determine if an indoor facility is warranted.

Potential Future Partners

Partnerships at the local, county, regional, and state levels will need to be established and maintained to help the Township meet the goals of this plan. Partners can assist in many ways including being advocates of the completion of plan projects by implementing some recommendations themselves, providing volunteering opportunities, and by assisting in securing funds through grants or other means.

Local Partners:

- Methacton School District
- Methacton Audubon Recreation Association
- Connie Mack Baseball
- Lower Providence & Methacton Warriors
- FC Montco
- Methacton Aquatic Club
- J.P. Mascaro & Sons
- Lower Providence Community Library
- Audubon Oaks Lions Club
- Optimist Club
- Lower Providence Business Association
- Collegeville Area Kiwanis Club
- The Arc Alliance
- Indian Watershed at Hoy Park
- Audubon Valley Forge
- Appalachian Mountain Club - DelVal Chapter
- Private recreation providers
- Social and Religious Organizations
- Conservation Organizations
- Historical Organizations
- Local Scout Troops

County and Regional Partners:

- Montgomery County
- Delaware Valley Regional Planning Commission (DVRPC)
- Perkiomen Watershed Conservancy
- John James Audubon Center
- Schuylkill River Greenways
- Bicycle Coalition of Greater Philadelphia

State Partners:

- Department of Community and Economic Development (DCED)
- Department of Conservation and Natural Resources (DCNR) & Evansburg State Park
- Pennsylvania Infrastructure Reinvestment Authority (PennVEST)
- Pennsylvania Department of Environmental Protection (DEP)
- Pennsylvania Fish & Boat Commission (PFBC)

Federal Partners:

- The National Park Service (NPS) -Valley Forge National Historic Park
- U.S. Forest Service (UFS)
- National Fish and Wildlife Foundation (NFWF)

The School District, private recreation providers, sports leagues, and social and religious groups can all provide valuable insight to the Township as to recreational needs of their students and members. Partnering with the Township would ensure that recreational facilities and programs are in place and meeting the needs of the organizations and the Township. These groups can also provide volunteering opportunities to assist with management or maintenance of recreational facilities.

County, regional, and state partners can provide funding and assistance with recreation and conservation plans. DVRPC is a regional planner and offers opportunities for communities to be part of the larger regional planning network including greenways, trails, and transportation needs. State partners can provide important information to assist a municipality in successfully receiving funding for improvement projects.

Funding Sources

The following is a summary of grants, programs, funds, and other potential partnerships/sources that can assist with the funding of Lower Providence Township parks, recreation, open space, and multimodal improvements. Various sources can be pursued during preservation/improvement phases, based on availability of funds aligning goals of partner agencies, and County priorities for each year.

Pennsylvania Department of Conservation & Natural Resources (PA DCNR)

Community Conservation Partnership Program (C2P2)

The Community Recreation and Conservation Program through the PA DCNR Community Conservation Partnership Program (C2P2) provides funding to municipalities and authorized nonprofit organizations for recreation, park, trail, and conservation projects. These include planning for feasibility studies, trail studies, conservation plans, master site development plans, and comprehensive recreation park and open space and greenway plans. In addition to planning efforts, the program provides funding for land acquisition for active or passive parks, trails and conservation purposes, and construction and rehabilitation of parks, trails, and recreation facilities. Most of these projects require a 50% match, which can include a combination of cash and/or non-cash values. Following completion of a park master plan, an implementation or construction grant is the next stage grant from DCNR. Grant applications for the C2P2 program are accepted annually—usually in April.

More information can be found at: <http://www.dcnr.state.pa.us/brc/grants/grantpolicies/index.html>

Land and Water Conservation Fund (LWCF)

The Land and Water Conservation Fund (LWCF) State Assistance Program, established in 1965, is a federal source of funding distributed to all states by the U.S. Department of the Interior's National Park Service.

The program provides matching grants for the acquisition and development of public outdoor recreation areas and facilities. DCNR administers the LWCF Program for Pennsylvania. More info at: <https://www.dcnr.pa.gov/Communities/Grants/Pages/default.aspx>

Photo: Dell Angelo Park



Wild Resources Conservation Program

Each year, these funds support the survey, research, management, and conservation of wild resources through DCNR's Wild Resource Conservation Program (WRCP).

WRCP identifies research and conservation needs on the Commonwealth's native flora and non-game wildlife. The program provides grants and facilitates the flow of information between researchers, conservationists, and educators.

More info at: <https://www.dcnr.pa.gov/Conservation/Biodiversity/WildResourceConservationProgram/Pages/default.aspx>

DCNR Forest Buffer Program

The Riparian Forest Buffer Program through PA DCNR provides funding for organizations implementing a variety of forest buffers including conventional riparian forest buffers and multi-functional buffers. Pennsylvania has a goal of planting 95,000 acres of riparian buffers by 2025 to improve state waterways and the Chesapeake Bay. There is no match required to be eligible for this grant. Grant applications are usually accepted October to late December.

DCNR has provided funding to County Conservation Offices. Grants awards are made by the local conservation office for the planting of multi-functional buffers.

More information is available on the PA DCNR website: <https://www.dcnr.pa.gov/Conservation/Water/RiparianBuffers/Pages/default.aspx>



Photo: Redtail Park



Pennsylvania Department of Community and Economic Development (PA DCED)

Commonwealth Financing Agency (CFA) - Greenways, Trails and Recreation Program (GTRP)

The Greenways, Trails, and Recreation Program (GTRP) provides funding for: public park and recreation area projects, greenway and trail projects, and river or creek conservation projects. The program requires a 15% local cash match of the total project cost and DCED share must not exceed \$250,000. Applications are typically due in June.

More information can be found at: <https://dced.pa.gov/programs/greenways-trails-and-recreation-program-gtrp/>

Multimodal Transportation Fund (MTF)

The Multimodal Transportation Fund provides grants to encourage economic development and ensure that a safe and reliable system of transportation is available to the residents of the Commonwealth. Funds may be used for the development, rehabilitation and enhancement of transportation assets to existing communities, streetscape, lighting, bike lanes, sidewalk enhancement, pedestrian safety, connectivity of transportation assets and transit-oriented development. Grants are available for projects with a total cost of \$100,000 or more and grants shall not exceed \$3,000,000 for any project. For more information please visit: <https://dced.pa.gov/programs/multimodal-transportation-fund>.

Pennsylvania Department of Environmental Protection (DEP)

DEP Growing Greener Watershed Protection Program

Funded through the state Growing Greener Environment Stewardship Funds, applications should be targeted toward clean-up of non-point source pollution. The grant will fund local watershed-based conservation projects with the average award totaling \$150,000 and requires a 15% match from a non-DEP fund source. Applications are typically due in January.

More information on this program can be found at the DEP website: <http://www.dep.pa.gov/Citizens/GrantsLoansRebates/Growing-Greener/Pages/default.aspx>



DEP Non-Point Source Implementation Programs Grant

Provides funding assistance for projects aimed at implementing Pennsylvania's Non-point Source Management Program. Targeted projects include control of urban runoff, and natural channel design/stream bank stabilization projects. The grant will fund local projects with the average award being \$200,000. Applications are typically due in July.

More information on this program can be found at the DEP website: <http://www.dep.pa.gov/Business/Water/PlanningConservation/NonpointSource/Pages/default.aspx>

PennDOT

Transportation Alternatives Set-Aside Program (TA Set-Aside)

The Transportation Alternatives Set-Aside Program (TA Set-Aside) is a Federal highway and transit funds set-aside under the Surface Transportation Program (STP) for community-based "non-traditional" projects designed to strengthen the cultural, aesthetic, and environmental aspects of the nation's intermodal transportation system. The program seeks to provide funding for projects such as construction, planning, and design of on-road and off-road trail facilities for pedestrians, bicyclists, and other nonmotorized forms of transportation. Non-motorized forms of transportation include sidewalks, bicycle infrastructure, pedestrian and bicycle signals, traffic calming techniques, lighting and other safety-related infrastructure, and transportation projects to achieve compliance with the Americans with Disabilities Act of 1990. Recently, these grants have been available every two years.

For more information on the PA Transportation Alternatives Set- Aside Program, visit: <https://www.penndot.gov/ProjectAndPrograms/Planning/Pages/Transportation%20Alternatives%20Set-Aside%20-%20Surface%20Trans.%20Block%20Grant%20Program.aspx>

Photo: Audubon Elementary

Safe Routes to Schools (SRTS)

Administered through TA Set-Aside, SRTS is a national and international movement to create safe, convenient and healthy opportunities for children to walk and bicycle to school. The program encourages children to walk and bicycle to school, helping to reverse an alarming decrease in students' physical activity and an associated increase in childhood obesity. By getting more children to walk and bicycle to school, communities are also reducing fuel consumption, alleviating traffic congestion, and improving air quality. SRTS programs are built on collaborative partnerships among many stakeholders, including educators, parents, students, elected officials, engineers, city planners, business and community leaders, health officials, and bicycle and pedestrian advocates.

Eligible activities include new or reconstructed sidewalks or walkways, pedestrian and bicycle signs or signals, transportation projects that achieve ADA compliance, such as curb ramps, bike parking facilities or bus bike racks, shared use paths, side paths, trails that serve a transportation purpose, crossing improvements, and traffic realignments, road diets, or intersection changes. For more information on the PA SRTS program, please visit <https://www.penndot.gov/TravelInPA/Safety/SchoolResourcesAndPrograms/SafeRoutesToSchool/Pages/default.aspx>

Multimodal Transportation Fund (MTF)

PennDOT's Multimodal Transportation Fund provides grants to ensure that a safe and reliable system of transportation is available to the residents of this Commonwealth. The program is intended to provide financial assistance to municipalities, councils of governments, businesses, economic development organizations, public transportation agencies, rail freight, passenger rail, and ports in order to improve transportation assets that enhance communities, pedestrian safety, and transit revitalization. PennDOT will administer activities directly initiated or undertaken by it related to grants for eligible multimodal programs in accordance with these guidelines. More information can be found at <http://www.penndot.gov/ProjectAndPrograms/MultimodalProgram/Pages/default.aspx>.

Photo: Sherwood Park



PennVEST (Pennsylvania Infrastructure Investment Authority)

PennVEST offers both grants and low interest loans for projects that help to manage stormwater and improve water quality. Several recommendations for Lower Providence may attract PennVEST funds, since they include stormwater BMPs.

More information can be found at: <https://www.pennvest.pa.gov/Information/Funding-Programs/Pages/default.aspx>

Clean Water State Revolving Fund (CWSRF)

The PENNVEST Clean Water State Revolving Fund (CWSRF) provides affordable financing for wastewater and certain other projects throughout Pennsylvania for the construction, improvement, extension, expansion, repair or rehabilitation of wastewater collection, treatment or disposal facilities, storm water management, nonpoint source pollution controls including but not limited to agricultural best management practices and watershed and estuary management.

The program offers low interest loans with flexible terms and principal forgiveness funds where applicable and available.

PENNVEST performs similarly to a bank for the CWSRF program in Pennsylvania and manages the financial aspects of the fund, while the Department of Environmental Protection is the technical arm for the program. The seed money for the CWSRF has been distributed to states annually under Congressional authorization pursuant to the Clean Water Act of 1987. The funds and the program are administered nationally by United States Environmental Protection Agency (EPA).

More info at: <https://www.pennvest.pa.gov/Information/Funding-Programs/Pages/Clean-Water-State-Revolving-Fund.aspx>



Pennsylvania Fish & Boat Commission (PFBC)

State Wildlife Grants Program (SWGP)

Created in 2000 by Congress, SWG has enabled the Pennsylvania Fish & Boat Commission and Pennsylvania Game Commission to direct conservation efforts toward species in decline or vulnerable to decline, with the goal of preventing endangered species listings. State Wildlife Grant funding to Pennsylvania has ranged from \$1.5 to \$2.5 million per year, shared equally between the Fish & Boat Commission and Game Commission.

The State Wildlife Grants program (SWG) is the nation's core program for preventing species from becoming endangered. This program provides needed funds to states to develop and implement conservation actions identified in their State Wildlife Action Plan. These funds benefit wildlife and their habitat, including species not hunted or fished.

Since 2001, the Pennsylvania Fish & Commission has supported more than 60 fish, amphibian, reptile, and freshwater invertebrate conservation projects through State Wildlife Grant funding, including research, species surveys, habitat improvement, and other efforts.

More info at <https://www.fishandboat.com/Resource/StateWildlifeGrantProgram/Pages/default.aspx>

Montgomery County

Montco 2040: Implementation Grant Program

This grant program was put in place to assist municipalities in making physical improvements that achieve progress toward the goals of the Montco 2040: A Shared Vision Plan. One of the main focus categories of 2021 is Adaption and Resiliency and includes floodplain mitigation, streambank restoration, adding BMPs to municipal or School District property, Green Streets, Community Gardens, and Open Space Preservation. Open Space Preservation projects require a minimum 50% local match that can come from any combination of municipal or outside funding sources. The maximum grant award is \$200K, but the average award is closer to \$100K. More information at: <https://www.montcopa.org/2453/Montco-2040-Implementation-Grant-Program>.

Schuylkill River

Schuylkill River Restoration Fund

This program offers administrative assistance grants for land transaction and open space preservation projects. Matching funds of up to \$4,000 per project are available to protect lands within the Schuylkill River Watershed. More information can be found at <https://schuylkillriver.org/conservation/the-restoration-fund/>

U.S. Forest Service

National Urban and Community Forestry Advisory Council

The National Urban and Community Forestry Advisory Council (NUCFAC) is a Congressionally designated advisory council to the Secretary of Agriculture on urban forestry and related issues. The 1990 Farm Bill created NUCFAC to bring together the wide variety of voices raised about a common concern: the present health and future preservation of America's urban forests. NUCFAC was founded to synthesize the full spectrum of views into a consistent vision, as a foundation for practical policy on urban forestry and related natural resources.

NUCFAC evaluates innovative grant proposals that help to implement the Ten-Year Action Plan and recommends them for funding to the Secretary of Agriculture.

More info at: <https://www.fs.usda.gov/managing-land/urban-forests/ucf/nucfac>

National Fish and Wildlife Foundation

NFWF supports conservation efforts in all 50 states and U.S. territories. More than 18,600 projects have been supported since founding – are rigorously evaluated and awarded to some of the nation’s largest environmental organizations. Financial commitments since the organization’s founding total \$6.1 billion.

The Five Star and Urban Waters Restoration Program

The Five Star and Urban Waters Restoration Program focuses on the stewardship and restoration of coastal, wetland and riparian ecosystems across the country. Its goal is to meet the conservation needs of important species and habitats, providing measurable and meaningful conservation and educational outcomes. The program requires the establishment and/or enhancement of diverse partnerships and an education/outreach component that will help shape and sustain behavior to achieve conservation goals.

To date, the Foundation has funded over 800 projects in 50 states, including the District of Columbia, Puerto Rico, and the U.S. Virgin Islands, through this program. More than \$18 million in grants has leveraged more than \$67 million in other funds or donated services.

More info at: <https://www.nfwf.org/programs/five-star-and-urban-waters-restoration-grant-program>

Legislative Funding

State and federal elected officials can sometimes include items into legislation for worthy projects in their districts. A conversation between county and municipal officials and legislators is the way to begin this process. This type of funding should be targeted toward capital improvement projects.



Private Foundations

There may be regional corporations and foundations that support public works such as park development. Competition for these funds is usually brisk, but opportunities should be researched. Funding is often to non-profit organizations. Foundations and institutions represent another potential source of funding for education-related site improvements and programming. Grants are available to support student field trips, provide teacher training in science, and provide other educational opportunities. Education tied to research can increase the pool of potential funds. The science community and research institutions are the logical starting points for solicitation foundation funds.

Schools and Local Organizations

Local schools and local organizations may also be of assistance in several ways. Local scout groups and mountain bike community are two such examples. These groups might get involved with club, fundraising events, and park cleanup days. While the amount of funds raised may be relatively small, this process builds constituents and support for the parks and recreation system.

Friends Groups & Park Nonprofits

Similar to participation by school groups, the establishment of a non-profit (501(C)3) Friends-of-the-Park groups can help raise grass roots funding for the individual parks and be a conduit for tax-deductible donations and foundation funding. The Friends can serve as additional eyes and ears for the parks, providing necessary feedback to the administration and maintenance staff.

A Friends group can be an important vehicle for park stewardship, organizing volunteers, providing environmental education.

For more detailed guidelines for establishing a (501(C)3) non-profit charitable organization in Pennsylvania: <https://pano.org/starting-a-nonprofit-organization-in-pennsylvania/>

Donation Opportunities

It is recommended that the County create a list, with prices, of physical donation opportunities for the parks consistent with the plan. Rather than having physical markers in parks noting the donation (which can become cumbersome over time) a list of donors might be prominently displayed on the Township Parks website or a funders' donation wall at a central location.



Photo: Ridge Pike

