



Implementation Plan

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6.1

Organizational Structure For Greenway Implementation

Once the plan has been adopted by a municipality it is the duty of that municipalities' supervisors to appoint representatives to a greenway implementation government entity. While this government entity should be represented by Upper Brodhead and Paradise Creek Greenway Study Committee members and other concerned local citizens; the entity should also be represented by municipal supervisors for additional political backing.

It is paramount to the success of achieving the goals of the greenway plan that the project planning area is defined by an "ecological planning unit" (watershed) rather than by political municipal boundaries. The Brodhead Creek and Paradise Creek watershed Greenways Planning Area (project area), includes all or portions of the participating municipalities of Mount Pocono Borough, Barrett, Paradise and Price Townships, and to a lesser extent, the adjacent municipalities of Coolbaugh, Pocono, Tobyhanna, Stroud, Smithfield and Middle Smithfield Townships, in Monroe County, Green Township in Pike County, and Dreher Township in southern Wayne County.

The organizational entity(s) responsible for the establishment, development, management and

maintenance of the greenway must have some reasonable measure of authority to act, and to enlist the cooperation, financial and political support from all levels of federal, regional, state, and local government jurisdictions within the watershed. The organizational structure must include multi-municipal representation, (preferably by local elected officials), who function as municipal liaisons and are charged with the responsibility of acting on behalf of their respective municipalities, are empowered to make decisions on their behalf, and can advance the goals and specific implementation strategies of the greenway plan. The permanent management entity will ultimately be responsible for developing the greenway organizational structure and instituting various greenway advocacy, marketing, design, implementation and operational management functions.

The most expedient route to the establishment of a permanent greenway management entity would be to incorporate the required functional capabilities into an existing government or non-government organization (NGO). This organization would obviously have to have compatible goals and operational responsibilities, adequate qualified staff and/or additional staffing capabilities, the legitimate authority to take on the additional responsibilities, and be capable of fully implementing the strategies for achieving the greenway plan goals.

Whatever the final administrative vehicle selected to manage and implement the greenway plan, it will most definitely require the full coopera-

tion and support of many allied organizations. At a minimum, supporting organizations will likely include:

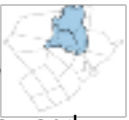
Local Municipal Government: Local municipal elected officials, planning commissions, zoning boards, building code and sewer enforcement officers, sewer and water authorities, environmental advisory commissions, park and recreation boards.

Monroe County Government: County Commissioners, Planning Commission, Conservation District, County Recreation, and various Open Space, Green Way, Trails and Conservation Boards and Commissions.

Pennsylvania State Government Agencies: Department of Conservation and Natural Resources (DCNR), Department of Environmental Protection (DEP), Department of Community and Economic Development (DCED), Department of Transportation (PENNDOT), Fish and Boat Commission, Game Commission and DCNR Bureau of Forestry, PA Infrastructure Investment Board (PENNVEST).

Federal Government: Federal departments, bureaus, services and agencies far too numerous to mention.

Non-Government Organizations (NGO): The Brodhead Watershed Association, the numerous Hunting and Fishing Clubs and Associations, Pocono Mountains Visitors Bureau.



6.2 Greenway Development Options

Property Ownership: As mentioned in previous sections of this report, the greenway study area contains many large tracts of land that are privately held, primarily by resorts, summer camps and hunting/fishing clubs and associations. Historically the owners of these parcels, in general, have proven to be wise stewards of the land and most have been particularly diligent in respecting and protecting sensitive natural resource areas.

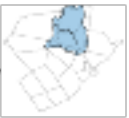
Many of the current large tract property owners have a vested economic or personal interest in maintaining healthy forest cover and the natural scenic beauty of their parcels. The critical issue is that economic pressures have already taken their toll on the once thriving Pocono resort industry, and changes in recreational preferences and demographics could negatively impact these industries at any time.

This greenway plan acknowledges the importance of maintaining the economic vitality of the current beneficial private outdoor recreation opportunities enjoyed by sportsmen and tourists who use these large land holdings. The plan also recognizes a unique opportunity for mutually beneficial private/public partnership efforts including:

- The creation of a marketing plan to promote a greenway “brand” or identity.
 - The preservation of scenic vistas and the implementation of scenic byway designations.
 - The creation of a well conceived and designed, coordinated signage program to reinforce the greenway “brand” and foster a unique “Pocono Mountains sense of place”
 - The development of a comprehensive multiuse trail system (hiking, biking, snowmobile, horse back riding, X country skiing, snow shoeing, etc) with an emphasis on providing and expanding pedestrian and other low impact transportation alternatives
 - The restoration and expansion of historic community linkages and connections to the Borough of Mount Pocono and other villages and town centers through programs like: “Main Street”, “Elm Street” and the federal “Complete Streets” initiative to create walk-able communities.
 - The goal should be working together with all land owners to institute strict land use controls that will foster commercial development of historic villages and town centers and prevent strip development and signage clutter along scenic byways and to protect the natural scenic beauty of the greenway.
- Extensive acquisition of private property and providing widespread public access to privately held land is not a goal of the greenway plan. Rather the plan suggests identifying key parcels that

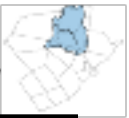
are strategically located within the greenway and that further the broader goals of watershed protection, preservation of sensitive natural resources and restoring historic community linkages and connectivity. The plan recommends that the key parcels identified in the greenway plan also be noted on municipal official maps, and that greenway and municipal officials reach out to selected parcel owners and communicate the public’s interest. This strategy could offer a sustained, long term approach to property or easement acquisitions that are “opportunity” based and, if patiently implemented, could reduce public apprehension, and create more widespread acceptance and support for the greenway plan objectives.

Section five of this report identifies key parcels that are important for furthering the water quality, land preservation and community connection goals of the greenway plan and designates specific priority parcels for fee simple acquisition and/or conservation or trail public access easements. Other land use tools such as conservation subdivision planning, Official Maps, floodplain, riparian buffer and steep slope protection measures may also be useful in achieving the goals of the greenway plan.



6.3 Phased Development Plan

Immediate Implementation Strategies on a Municipality by Municipality Basis	
Barrett Township	<ul style="list-style-type: none"> • Petition DEP to have the southern section of Mill Creek re-designated “Exceptional Value”. • Begin to draft “Official Maps”. • Initiate talks with Skytop Lodge and Buck Hill Falls for the creation of hiking programs on their trails. • Begin process of forming Joint Zoning Ordinances.
Mount Pocono	<ul style="list-style-type: none"> • Petition DEP to have the southern section of Yankee Run re-designated “Exceptional Value”. • Initiate feasibility study for a Share-the-Road Bikeway along Route 940. • Initiate talks with the PNRRA to implement a multi-use trail along the rail line. • Begin process of forming Joint Zoning Ordinances.
Paradise Township	<ul style="list-style-type: none"> • Petition DEP to have the southern section of Devil’s Hole Creek re-designated “Exceptional Value”. • Adopt “Official Map”. • Complete Mount Airy trail network. • Begin process of forming Joint Zoning Ordinances.
Price Township	<ul style="list-style-type: none"> • Begin to draft “Official Maps”. • Initiate feasibility study for a Scenic Byway along Route 447. • Initiate and implement a Braille Trail along an already developed trail (e.g. Delaware State Forest). • Work with Paradise Township to acquire Echo Farm Hunt club. • Begin process of forming Joint Zoning Ordinances.
Ongoing Strategies	<ul style="list-style-type: none"> • Hold public meetings to provide an update on the status of greenway projects, inform residents of upcoming projects, build support for the greenway system, encourage volunteerism, and collect input. • Foster strong town centers through smart growth initiatives, proper zoning, Main and Elm Street Programs, etc. • Increase support and funding sources for the Open Space Program. • Host “Trail Roundtable” meetings on a consistent basis. • Maintain a dialogue with officials from neighboring municipalities regarding the continuation of regional trail and greenway projects across municipal boundaries.



Watershed Protection / Land Conservation Development Strategies	
Short Term Strategies	<ul style="list-style-type: none"> • Petition to have applicable streams mentioned in 5.1(Recommendation 1) redesignated to “Exceptional Value”. • Conduct a feasibility study for implementation of Model Floodplain Ordinance. • Create and distribute educational information through the Brodhead Watershed Authority to educate the public on the importance of water quality and floodplain protection. • Evaluate zoning opportunities that may protect against potential impacts of Marcellus shale drilling. • Purchase or place easements upon any parcel when opportunity arises.
Mid Term Strategies	<ul style="list-style-type: none"> • Have remaining “High Quality” streams tested to see if they qualify for “EV” redesignation. • Have a Barrett Township and Price Township approve Official Maps. • Implement Model Floodplain Ordinance. • Implement zoning regulations that may protect against potential impacts of Marcellus Shale drilling. • Purchase or place easements upon any parcel when opportunity arises.
Long Term Strategies	<ul style="list-style-type: none"> • Redesignate all additional qualifying streams to “Exceptional Value”. • Organize local grassroot/nonprofit groups to protest and keep a watchful eye on any Marcellus Shale drilling. • Institute a GPS trail network. • Continue to update Official Maps. • Purchase or place easements upon any parcel when opportunity arises.

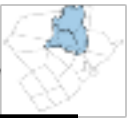




Bikeway / Byway Development Strategies

Short Term Strategies	<ul style="list-style-type: none"> Brainstorm bikeway and byway signage concepts (color scheme, size, shape, logo) that will adhere to the overall greenway branding package. Branding may include but is not limited to pavement markings and roadside signage. Begin to petition PennDOT for expansion of portions of Route 940 and any another changes needed to form a share-the-road bikeway. Appeal to the National Scenic Byways Program for grants for the implementation of 447 as a scenic byway. Initiate new volunteer corps for such activities as road cleaning, sign inventory etc. Propose a Model Sign Ordinance to control billboards along each road.
Mid Term Strategies	<ul style="list-style-type: none"> Gather public input on bikeway and byway signage concepts. Choose a signage concept and implement it. Working with the Pocono Mountain's Visitor's Bureau to create brochures and other marketing materials for the Route 940. share-the-road bikeway and Route 940 scenic byway. Implement Route 940 as a share-the-road bikeway. Implement Route 447 as a scenic byway. Begin scenic byway and share-the-road bikeway feasibility studies for Routes 314/611/196, 940,390,447 and191. Enact a Sign Ordinance in as many municipalities as possible. Initiate conversations with surrounding counties and municipalities to expand the byway and bikeway systems.
Long Term Strategies	<ul style="list-style-type: none"> Continue to look to implement byway/bikeways along Routes 314/611/196, 940,390,447 and 191 as monies become available. Petition the National Scenic Byways Program for National Scenic Byway designation on applicable roads. Continue to assess, monitor and maintain the byways and bikeways.





Trail Network Development Strategies

Short Term Strategies	<ul style="list-style-type: none"> • Brainstorm trail signage concepts (color scheme, size, shape, logo) that will adhere to the overall greenway branding package. Although future trail development will most likely be piecemeal, a well-thought out and accepted brand can assure that each trail segment still has a regional, greenway appeal. • Initiate conversations with state agencies to discuss trail access between state and non-state owned lands. • Initiate planning efforts for trail layout at newly acquired county, municipal or land trust properties. • Identify and approach key property owners to discuss property acquisition or conservation easements. • Initiate the development of a regional volunteer corps that would assess, build and maintain trails and heighten community awareness of the greenway. • Initiate feasibility studies for the implementation of a Braille Trail in the various locations throughout the watershed.
Mid Term Strategies	<ul style="list-style-type: none"> • Gather public input on trail signage concepts. Choose a signage concept and implement it. • Complete the design phase for the handicap accessible multi-use trail . • Work with the state to update their trails and install directional signage. Utilize the new volunteer corps. • Monitor and assess the state of recently built trails for sustainability, usage and potential for additional connectivity. • Move toward the design stage for new trail networks at already acquired properties. • Hold more serious discussions with key property owners about land acquisition or easements; apply for grants to fund future acquisition. • Implement Braille Trails to appeal to a wider demographic of greenway users.
Long Term Strategies	<ul style="list-style-type: none"> • Construct the handicap accessible multi-use trail. • Acquire remaining parcels of land needed for the entire trail systems. • Look to expand trail network to areas outside of the watershed area. • Start construction of additional primary and secondary natural surface trail networks. • Continue to assess, monitor and maintain the existing trails.



6.4 Option Estimate For Probable Cost

Upper Trail Network:

UPPER TRAIL NETWORK				\$ 6,242,700.00	
Line Item Description	Estimated Quantity (EQ) and Units		Unit Cost (UC)		Total Cost (EQ x UC)
PHASE ONE					
\$ 1,688,550.00					
DEVELOP SIGNAGE PACKAGE FOR TRAILS THAT ADHERES TO OVERALL GREENWAY BRANDING	1	LS	\$ 2,500.00		\$ 2,500.00
EXISTING TRAIL HEADS, UPDATES	5	EA	\$ 5,000.00		\$ 25,000.00
EXISTING TRAIL HEAD AMENITIES, UPDATES *	5	LS	\$ 6,000.00		\$ 30,000.00
NATURAL SURFACE TRAIL NETWORKS (1° AND 2°) - FEASIBILITY STUDIES AND NEW TRAIL CONCEPT AND DESIGN PLANS	2	EA	\$ 75,000.00		\$ 150,000.00
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 5 MILES (FOCUS ON MUNICIPAL & COUNTY LANDS)	26400	LF	\$ 9.00		\$ 237,600.00
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 10 MILES (FOCUS ON MUNICIPAL & COUNTY LANDS)	52800	LF	\$ 4.00		\$ 211,200.00
INITIATE TALKS ON DEVELOPING A TRAIL PROGRAM WITH PRIVATE INNS, ASSOCIATIONS, ETC.	3	EA	\$ 500.00		\$ 1,500.00
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	3	EA	\$ 250.00		\$ 750.00
TRAIL MARKERS, 4"x 4" RECYCLED PLASTIC - ALONG TRAIL	100	EA	\$ 10.00		\$ 1,000.00
STREAM CROSSINGS - WOODEN BRIDGE	2	EA	\$ 2,800.00		\$ 5,600.00
STREAM CROSSINGS - BOULDER STEPPING STONES	1	EA	\$ 900.00		\$ 900.00
INITIATE DISCUSSIONS WITH KEY PROPERTY OWNERS	1	LS	\$ 2,500.00		\$ 2,500.00
TRAIL EASEMENTS (20' WIDE)	1	AC	\$ 20,000.00		\$ 20,000.00
PROPERTY ACQUISITION	1	EA	\$ 1,000,000.00		\$ 1,000,000.00

PHASE TWO					\$ 3,970,050.00	
NEW TRAIL HEADS	8	EA	\$ 32,000.00		\$ 256,000.00	
TRAIL HEAD AMENITIES *	8	LS	\$ 8,000.00		\$ 64,000.00	
NEW LOOKOUT AREAS	7	EA	\$ 1,800.00		\$ 12,600.00	
LOOKOUT AREAS, AMENITIES	7	LS	\$ 2,000.00		\$ 14,000.00	
NATURAL SURFACE TRAIL NETWORKS (1° AND 2°) - FEASIBILITY STUDIES AND NEW TRAIL CONCEPT AND DESIGN PLANS	1	EA	\$ 75,000.00		\$ 75,000.00	
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 20 MILES	105600	LF	\$ 9.00		\$ 950,400.00	
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 25 MILES	132000	LF	\$ 4.00		\$ 528,000.00	
IMPLEMENT THE TRAIL PROGRAM WITH PRIVATE INNS, ASSOCIATIONS, ETC.	3	EA	\$ 5,000.00		\$ 15,000.00	
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	5	EA	\$ 250.00		\$ 1,250.00	
TRAIL MARKERS, 4"x 4" RECYCLED PLASTIC - ALONG TRAIL	300	EA	\$ 10.00		\$ 3,000.00	
STREAM CROSSINGS - WOODEN BRIDGE	2	EA	\$ 2,800.00		\$ 5,600.00	
STREAM CROSSINGS - BOULDER STEPPING STONES	3	EA	\$ 900.00		\$ 2,700.00	
ADDITIONAL DISCUSSIONS WITH KEY PROPERTY OWNERS	1	LS	\$ 2,500.00		\$ 2,500.00	
TRAIL EASEMENTS (20' WIDE)	2	AC	\$ 20,000.00		\$ 40,000.00	
PROPERTY ACQUISITION	2	EA	\$ 1,000,000.00		\$ 2,000,000.00	

PHASE THREE					\$ 584,100.00	
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 10 MILES (FOCUS ON HUNT AND FISH CLUBS)	52800	LF	\$ 9.00		\$ 475,200.00	
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 5 MILES (FOCUS ON HUNT AND FISH CLUBS)	26400	LF	\$ 4.00		\$ 105,600.00	
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	2	EA	\$ 250.00		\$ 500.00	
TRAIL MARKERS, 4"x 4" RECYCLED PLASTIC - ALONG TRAIL	100	EA	\$ 10.00		\$ 1,000.00	
STREAM CROSSINGS - BOULDER STEPPING STONES	2	EA	\$ 900.00		\$ 1,800.00	



Lower Trail Network

LOWER TRAIL NETWORK				\$ 6,581,490.00	
Line Item Description	Estimated Quantity (EQ) and Units	Unit Cost (UC)	Total Cost (EQ x UC)		
PHASE ONE				\$ 1,599,350.00	
DEVELOP SIGNAGE PACKAGE FOR TRAILS THAT ADHERES TO OVERALL GREENWAY BRANDING	1	LS	\$ 2,500.00	\$ 2,500.00	
EXISTING TRAIL HEADS, UPDATES	18	EA	\$ 5,000.00	\$ 90,000.00	
EXISTING TRAIL HEAD AMENITIES, UPDATES *	18	LS	\$ 6,000.00	\$ 108,000.00	
MULTI-USE TRAIL (9' WIDE) - FEASIBILITY STUDY	1	LS	\$ 75,000.00	\$ 75,000.00	
NATURAL SURFACE TRAIL NETWORKS (1° AND 2°) - FEASIBILITY STUDIES AND NEW TRAIL CONCEPT AND DESIGN PLANS	5	EA	\$ 75,000.00	\$ 375,000.00	
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 10 MILES (FOCUS ON MUNICIPAL & COUNTY LANDS) - CLEAR & GRUB, LEVELING & GRADING	52800	LF	\$ 9.00	\$ 475,200.00	
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 20 MILES (FOCUS ON MUNICIPAL & COUNTY LANDS) - CLEAR & GRUB, LEVELING & GRADING	105600	LF	\$ 4.00	\$ 422,400.00	
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	5	EA	\$ 250.00	\$ 1,250.00	
TRAIL MARKERS, 4"x4" RECYCLED PLASTIC - ALONG TRAIL	200	EA	\$ 10.00	\$ 2,000.00	
STREAM CROSSINGS - WOODEN BRIDGE	1	EA	\$ 2,800.00	\$ 2,800.00	
STREAM CROSSINGS - BOULDER STEPPING STONES	3	EA	\$ 900.00	\$ 2,700.00	
INITIATE DISCUSSIONS WITH KEY PROPERTY OWNERS	1	LS	\$ 2,500.00	\$ 2,500.00	
TRAIL EASEMENTS (20' WIDE)	2	AC	\$ 20,000.00	\$ 40,000.00	
PHASE TWO				\$ 2,374,950.00	
NEW TRAIL HEADS	4	EA	\$ 32,000.00	\$ 128,000.00	
TRAIL HEAD AMENITIES *	4	LS	\$ 8,000.00	\$ 32,000.00	
NEW LOOKOUT AREAS	3	EA	\$ 1,800.00	\$ 5,400.00	
LOOKOUT AREAS, AMENITIES	3	LS	\$ 2,000.00	\$ 6,000.00	
MULTI-USE TRAIL (9' WIDE) - COMPLETE CONSTRUCTION DOCUMENTS	1	LS	\$ 45,000.00	\$ 45,000.00	

NATURAL SURFACE TRAIL NETWORKS (1° AND 2°) - FEASIBILITY STUDIES AND NEW TRAIL CONCEPT AND DESIGN PLANS	3	EA	\$ 75,000.00	\$ 225,000.00	
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 10 MILES - CLEAR & GRUB, LEVELING & GRADING	52800	LF	\$ 9.00	\$ 475,200.00	
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 25 MILES - CLEAR & GRUB, LEVELING & GRADING, BY HA	132000	LF	\$ 4.00	\$ 528,000.00	
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	5	EA	\$ 250.00	\$ 1,250.00	
TRAIL MARKERS, 4"x4" RECYCLED PLASTIC - ALONG TRAIL	200	EA	\$ 10.00	\$ 2,000.00	
STREAM CROSSINGS - WOODEN BRIDGE	1	EA	\$ 2,800.00	\$ 2,800.00	
STREAM CROSSINGS - BOULDER STEPPING STONES	2	EA	\$ 900.00	\$ 1,800.00	
ADDITIONAL DISCUSSIONS WITH KEY PROPERTY OWNERS	1	LS	\$ 2,500.00	\$ 2,500.00	
TRAIL EASEMENTS (20' WIDE)	6	AC	\$ 20,000.00	\$ 120,000.00	
PROPERTY ACQUISITION	1	EA	\$ 800,000.00	\$ 800,000.00	

PHASE THREE				\$ 2,607,190.00	
MULTI-USE TRAIL (9' WIDE) - CONSTRUCT 17 MILES OF TRAIL - CLEAR & GRUB, LEVELING & GRADING	89760	LF	\$ 24.00	\$ 2,154,240.00	
CONSTRUCT PRIMARY TRAILS (5' WIDE) FOR ALREADY DESIGNED TRAILS - 5 MILES (FOCUS ON HUNT AND FISH CLUBS) - CLEAR & GRUB, LEVELING & GRADING	26400	LF	\$ 9.00	\$ 237,600.00	
CONSTRUCT SINGLE-TRACK TRAILS (1.5' WIDE) FOR ALREADY DESIGNED TRAILS - 10 MILES (FOCUS ON HUNT AND FISH CLUBS) - CLEAR & GRUB, LEVELING & GRADING, BY HA	52800	LF	\$ 4.00	\$ 211,200.00	
SIGNAGE - DIRECTIONAL, SAFETY (FOR TRAIL, INTERSECTIONS)	5	EA	\$ 250.00	\$ 1,250.00	
TRAIL MARKERS, 4"x4" RECYCLED PLASTIC - ALONG TRAIL	200	EA	\$ 10.00	\$ 2,000.00	
STREAM CROSSINGS - BOULDER STEPPING STONES	1	EA	\$ 900.00	\$ 900.00	



Byways/Bikeways

Option Estimate For Probable Cost

Route 314-611-196

BRIEF DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
BITUMINOUS PAVING - 3' ADDITIONAL SHOULDER	SY	29,920	\$60.00	\$1,795,200.00
WHITE HOT THERMO PLASTIC PAVEMENT MARKINGS - 4" / W LINE STRIPING	SF	29,920	\$5.00	\$149,600.00
BIKER - CHEVRON THERMOPLASTIC PAVEMENT MARKING - EVERY 1/2 MILE	EA	32	\$300.00	\$9,600.00
"SHARE THE ROAD" SIGN @ INTERSECTIONS	EA	32	\$500.00	\$16,000.00
LOGO BRANDING ALLOWANCE	LS	1	\$2,500.00	\$2,500.00
INTERSECTION DIRECTIONAL SIGNAGE	EA	32	\$800.00	\$25,600.00
ESTIMATE TOTAL				\$1,998,500.00

Option Estimate For Probable Cost

Route 940

BRIEF DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
BITUMINOUS PAVING - 3' ADDITIONAL SHOULDER ON HALF OF TOTAL LF	SY	21,120	\$60.00	\$1,267,200.00
WHITE HOT THERMO PLASTIC PAVEMENT MARKINGS - 4" / W LINE STRIPING	SF	42,235	\$5.00	\$211,175.00
BIKER - CHEVRON THERMOPLASTIC PAVEMENT MARKING - EVERY 1/2 MILE	EA	48	\$300.00	\$14,400.00
"SHARE THE ROAD" SIGN	EA	46	\$500.00	\$23,000.00
LOGO BRANDING ALLOWANCE	LS	1	\$2,500.00	\$2,500.00
INTERSECTION DIRECTIONAL SIGNAGE	EA	46	\$800.00	\$36,800.00
ESTIMATE TOTAL				\$1,555,075.00

Option Estimate For Probable Cost

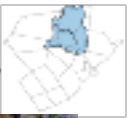
Route 390

BRIEF DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
BITUMINOUS PAVING - 3' ADDITIONAL SHOULDER	SY	33,440	\$60.00	\$2,006,400.00
WHITE HOT THERMO PLASTIC PAVEMENT MARKINGS - 4" / W LINE STRIPING	SF	33,405	\$5.00	\$167,025.00
BIKER - CHEVRON THERMOPLASTIC PAVEMENT MARKING - EVERY 1/2 MILE	EA	38	\$300.00	\$11,400.00
"SHARE THE ROAD" SIGN	EA	42	\$500.00	\$21,000.00
LOGO BRANDING ALLOWANCE	LS	1	\$2,500.00	\$2,500.00
INTERSECTION DIRECTIONAL SIGNAGE	EA	42	\$800.00	\$33,600.00
ESTIMATE TOTAL				\$2,241,925.00

Option Estimate For Probable Cost

Route 191

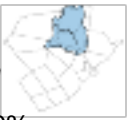
BRIEF DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
BITUMINOUS PAVING - 3' ADDITIONAL SHOULDER	SY	17,600	\$60.00	\$1,056,000.00
WHITE HOT THERMO PLASTIC PAVEMENT MARKINGS - 4" / W LINE STRIPING	SF	17,582	\$5.00	\$87,910.00
BIKER - CHEVRON THERMOPLASTIC PAVEMENT MARKING - EVERY 1/2 MILE	EA	20	\$300.00	\$6,000.00
"SHARE THE ROAD" SIGN	EA	10	\$500.00	\$5,000.00
LOGO BRANDING ALLOWANCE	LS	1	\$2,500.00	\$2,500.00
INTERSECTION DIRECTIONAL SIGNAGE	EA	10	\$800.00	\$8,000.00
ESTIMATE TOTAL				\$1,165,410.00



**Option Estimate For Probable Cost
Route 447**

BRIEF DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT PRICE	TOTAL COST
BITUMINOUS PAVING- 3' ADDITIONAL SHOULDER	SY	51,040	\$60.00	\$3,062,400.00
WHITE HOT THERMO PLASTIC PAVEMENT MARKINGS - 4" / W LINE STRIPING	SF	51,035	\$5.00	\$255,175.00
BIKER - CHEVRON THERMOPLASTIC PAVEMENT MARKING - EVERY 1/2 MILE	EA	56	\$300.00	\$16,800.00
"SHARE THE ROAD" SIGN	EA	46	\$500.00	\$23,000.00
LOGO BRANDING ALLOWANCE	LS	1	\$2,500.00	\$2,500.00
INTERSECTION DIRECTIONAL SIGNAGE	EA	46	\$800.00	\$36,800.00
ESTIMATE TOTAL				\$3,396,675.00





6.5 Potential Funding

State Funding

Pennsylvania Department of Conservation and Natural Resources (DCNR) - DCNR provides a single point of contact for communities and nonprofit conservation agencies seeking state assistance in support of local conservation initiatives. This assistance can take the form of grants, technical assistance, information exchange and training. These programs are described below:

*Mr. Lorne Possinger,
Beltzville State Park, 2950 Pohopoco Drive,
Lehighton, PA 18235-8905.
Phone : (610) 377-5750;
email: lpossinger@state.pa.us.*

Community Grants - Community Grants are awarded to municipalities for recreation, park and conservation projects. These include the rehabilitation and development of parks and recreation facilities; acquisition of land for park and conservation purposes; and technical assistance for feasibility studies, trails studies, and site development planning. Grants require a 50 percent match except for some technical assistance grants and projects eligible as small community projects. The small community component provides 100 percent funding - \$20,000 maximum - for material costs and professional design fees to municipalities with fewer than 5,000 residents so they may develop basic recreation projects.

Land Trust Grants provide 50 percent funding for acquisition and planning of open space and natural areas, which face imminent loss. Lands must be open to public use and priority is given to habitat for threatened species. Eligible applicants are nonprofit land trusts and conservancies.

River Conservation Grant

River Conservation Grants are available to municipalities, counties, municipal and inter-municipal authorities, and river support groups to conserve and enhance river resources. River support groups must be nonprofits, which are designated to act on behalf of interested municipalities. Planning grants are available to identify significant natural and cultural resources, threats, concerns and special opportunities and to develop river conservation plans. Implementation grants are available to carry out projects or activities defined in an approved river conservation plan. Grants require a 50 percent match.



Pennsylvania Recreational Trails Program Grants - Pennsylvania Recreational Trails Program Grants provide funds to develop and maintain recreational trails and trail related facilities for motorized and nonmotorized recreational trail use. Eligible applicants include federal and state agencies, local governments and private organizations. Match requirements for Pennsylvania Recreational Trails Program Grants are 80% grant

money, up to a maximum of \$100,000, and 20% project applicant money. However, acquisition projects will require a 50/50 match. "Soft match" (credit for donations of funds, materials, services, or new right-of-way) is permitted from any project sponsor, whether a private organization or public agency. Eligible project categories include: maintenance and restoration of existing recreational trails; development and rehabilitation of trailside and trailhead facilities and trail linkages; purchase and lease of recreational trail construction and maintenance equipment; construction of new recreational trails (with restrictions on new trails on Federal land); and, acquisition of easements or property for recreational trails or recreational trail corridors. Funding for the Recreational Trails Program is provided to the Commonwealth through the Federal Highway Administration (FHWA) and the Transportation Equity Act for the 21st Century (TEA 21).

Heritage Parks Grants - Heritage Parks Grants promote public-private partnerships to preserve and enhance natural, cultural, historic and recreation resources to stimulate economic development through heritage tourism. Grants are available to municipalities, nonprofit organizations or federally designated commissions acting on behalf of the municipalities in a heritage park area. Grants are awarded for a variety of purposes including feasibility studies; development of management action plans for heritage park areas; specialized studies; implementation projects; and hiring of state heritage park managers. Grants require a 25-50 percent local match.



Growing Greener Grants - DCNR will use Growing Greener funds to augment the existing grant programs listed above. Over five years, DCNR will allocate Growing Greener funding over several existing grant programs to help more communities and organizations meet their conservation and recreation goals. "Growing Greener" will spend \$645.9 million over five years — \$105.9 million the first year, and \$135 million a year for the next four. It will come from about \$473.4 million in new money from the General Fund and \$172.5 million in funds redirected from the Recycling and Hazardous Sites Cleanup funds, and the Landfill Closure Accounts.



Rails-to-Trails Grants - Rails-to-Trails Grants provide 50 percent funding for the planning, acquisition or development of rail-trail corridors. Eligible applicants include municipalities and nonprofit organizations established to preserve and protect available abandoned railroad corridors for use as trails or future rail service.



*The Duke Ellington Building
2121 Ward Ct., NW
5th Floor
Washington, DC 20037
+1-202-331-9696*

The Pennsylvania National Guard – The

Pennsylvania National Guard and the U.S. Army Reserves both provide engineering and construction services at no cost or at a reduced cost to communities undertaking certain public projects. There is no fixed schedule for their services and all requests are reviewed on a case by case basis.

National Guard 1-800-GO-GUARD

Northeast Pennsylvania Urban & Community Forestry Program - The Northeast Pennsylvania Urban and Community Forestry Council accepts grant applications from organizations, communities, and citizen groups for urban and community forestry projects. This is a federally funded grant program directed by the PA Urban and Community Forestry Council in cooperation with the USDA Forest Service, Northeastern Area, State & Private Forestry (Forest Service), the Pennsylvania State Forester; and the Pennsylvania Department of Conservation and Natural Resources, Bureau of Forestry, Rural and Community Forestry Section (PA DCNR Forestry RCF).



*One College Green
Keystone College PO Box 1636
La Plume, PA 18440*

Pennsylvania Historical and Museum Commission Historic Preservation Grants - Eligible organizations are colleges/universities,

conservancies, historic preservation organizations, historical societies, local governments, museums, and other historical organizations. Keystone Historic Preservation Grants requiring 50/50 cash match are available for the preservation, restoration and/or rehabilitation of historic resources listed in or eligible for listing in the National Register of Historic Places. Grant requests should range from \$5,000 to \$100,000. All grant projects must relate to identifying, preserving, promoting and protecting the historic and archaeological resources of Pennsylvania for the benefit of the public.



*Pennsylvania Historical and Museum Commission
State Museum Building
300 North Street
Harrisburg, PA 17120
Phone (717) 787-3362*

Federal Funding

Land and Water Conservation Program -The LWCF program provides matching grants to States and local governments for the acquisition and development of public outdoor recreation areas and facilities. The program is intended to create and maintain a nationwide legacy of high quality recreation areas and facilities and to stimulate non-federal investments in the protection and maintenance of recreation resources across





the United States. Only political subdivisions (municipalities, municipal agencies and school districts) are eligible to receive LWCF funding. Annual appropriations of federal funds are made to the states to provide 50 percent matching grants for general public outdoor park, recreation and conservation projects.

*Deputy Secretary
Office of Conservation and Technical Services
Dept. of Conservation and Natural Resources
P.O. Box 8767
Harrisburg, PA 17105-8767
Tel: 717-787-9306*

US Fish and Wildlife Service, Department of Interior Wildlife Conservation and Appreciation Grants - Eligible projects are for those whose main purpose is to provide opportunities for the public to use and enjoy fish and wildlife through non-consumptive activities. All designated fish and wildlife agencies are eligible to apply. Potential assistance is available for expanding public recreational opportunities pertaining to non-game wildlife enjoyment, including trails and waterways. Grants range from \$10,000 to \$25,000.



Contact Chief Division of Federal Aid 703-358-2156. Fish and Wildlife Service, Department of the Interior, Washington DC20240. FW9_Federal_Aid@fws.gov

US Department of Housing and Urban Development Community Development Block Grant – Small Cities Program - Eligible types of projects include: acquisition, rehabilitation, or construction of certain public works facilities, clearance, housing rehabilitation, code enforcement, relocation payments, administrative expenses, economic development, completing existing urban renewal projects, and certain public services. Eligible applicants are states that administer this program for the non-entitlement communities in their jurisdiction. Neighborhood-based non-profit organizations may act as sub-grantees to carry out neighborhood revitalization.



*U.S. Department of Housing and Urban Development
451 7th Street S.W., Washington, DC 20410
Telephone: (202) 708-1112*

The Grants Program sponsored by **EPA’s Environmental Education Division (EED), Office of Children’s Health Protection and Environmental Education**



- supports environmental education projects that enhance the public’s awareness, knowledge, and skills to help people make informed decisions that affect environmental quality. EPA awards grants each year based on funding appropriated by Congress. Annual funding for the program ranges between \$2

and \$3 million. Most grants will be in the \$15,000 to \$25,000 range.

There are a variety of private funding sources that may be available for park development and enhancements. Large corporations, companies and foundations often support public works such as park improvements through monetary or employee volunteer programs and several large companies are located in the Poconos such as Sanofi-Pasteur. School districts such as the Pocono Mountain School District may encourage their students to get involved in fundraisers, design and/or litter cleanups. A “Friends-of-the-Park” group can help raise grass roots funding for the park. Lastly, local contractors, landscapers, and masons may be of assistance in providing in-kind services for landscaping, shelter and gazebo construction and upgrades to the historic building remnants within the park.

*Kathleen Kirkland
U.S. EPA, Region 3
Environmental Education Grants (3CG00)
1650 Arch Street
Philadelphia, PA 19103-2029
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