

MORRISVILLE BOROUGH



ACTIVE TRANSPORTATION PLAN



**MORRISVILLE
BOROUGH PA**



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

Prepared for:

Morrisville Borough,
Bucks County,
Pennsylvania

September 2019

An Active Transportation Plan

Prepared for Morrisville Borough, Bucks County

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Adopted by Morrisville Borough Council
October 2019

Prepared September 2019, by:



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MORRISVILLE BOROUGH PA

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Morrisville Borough, Bucks County, is one of the most historic gateway communities in Pennsylvania. For more information contact:

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Introduction

In January 2019, Morrisville Borough was awarded a grant from the WalkWorks Program, of the Pennsylvania Department of Health, to support the preparation of an Active Transportation Plan. To ensure the plan was well and duly discussed, the Borough selected a stakeholder/steering committee, invited volunteers to participate, and together with their municipal engineer and consulting planners, recruited feedback from the public. The resulting plan provides recommendations and action steps to enhance the borough pedestrian and bicycle network, for residents of all ages and abilities, and to ensure they can get active, and stay healthy.

What is a WalkWorks Active Transportation Plan?



WalkWorks plans provide a strategy for improving the health and well-being of Pennsylvania's residents, and visitors, through the improvement of pedestrian and bicycle networks, including the creation of local walking programs, with the goal of increasing physical activity.

An Active Transportation Plan for Morrisville Borough

Morrisville is one of the most historic and most important gateway communities in Pennsylvania. Signors of the Declaration of Independence, soldiers of the American Revolution, George Washington, and now more than 8,000 residents are part of the story of a borough, on the edge of the Delaware River, opposite the City of Trenton, New Jersey. Nearly 85,000 people live in Trenton, and, each day, tens of thousands of vehicles move through Morrisville, to and from New Jersey.

This plan discovered Morrisville is ready for a more 'people-centered' town, a more engaging and interesting non-motorized transportation network, and for the improvement of **eleven (11)** separate '**walking loop**' **active transportation routes**.



Morrisville Borough Municipal Building

For this plan, "non-motorized transportation" includes:

- walking,
- jogging,
- running,
- bicycling, or
- using a wheel chair,
- stroller,
- scooter, or
- recumbent bicycle.

Reasons for it include:

- commuting,
- exercising,
- recreation,
- tourism,
- exploring,
- reaching a destination.

We All Need to Be More Active

It seems easier to tell a friend or family member to, ‘eat better,’ ‘get in shape,’ or buy the latest healthy juice gizmo, than it is to do these things on our own. Maybe we hope our friends will sort out the details, the *complicated* steps, to getting healthy. Keep it simple, take the first step to getting healthier and just to get a little more active.

The [benefits of being more active](#), being in nature, using walking trails, gathering with friends for exercise and improving the walkability of communities, including all forms of non-motorized mobility, are really well documented and ever increasing in their numbers.

Walking just 20 minutes/day helps:

- lower your blood pressure 4-10 points;
- lower your risk of an early death by 30%; and
- lower your risk of heart disease, diabetes, strokes, cancer and depression!!

Walking paths, routes and outdoor trails help:

- local economies by attracting tourists—the typical cycling tourist spends \$60/day;
- promote local businesses with signage;
- improve property values—trails can increase a property’s value \$9 every foot closer to a trail;
- improve your mental health—spending time outdoors improves cognitive reasoning by 50%;
- the outdoor recreation which adds \$730 billion and 6.5 million jobs to the US economy each year.

A Word on Obesity in Bucks County (to inspire):

- the adult obesity rate is nearly 23%
- the low income preschooler is 13.9%
- the adult diabetes rate is 8.2%



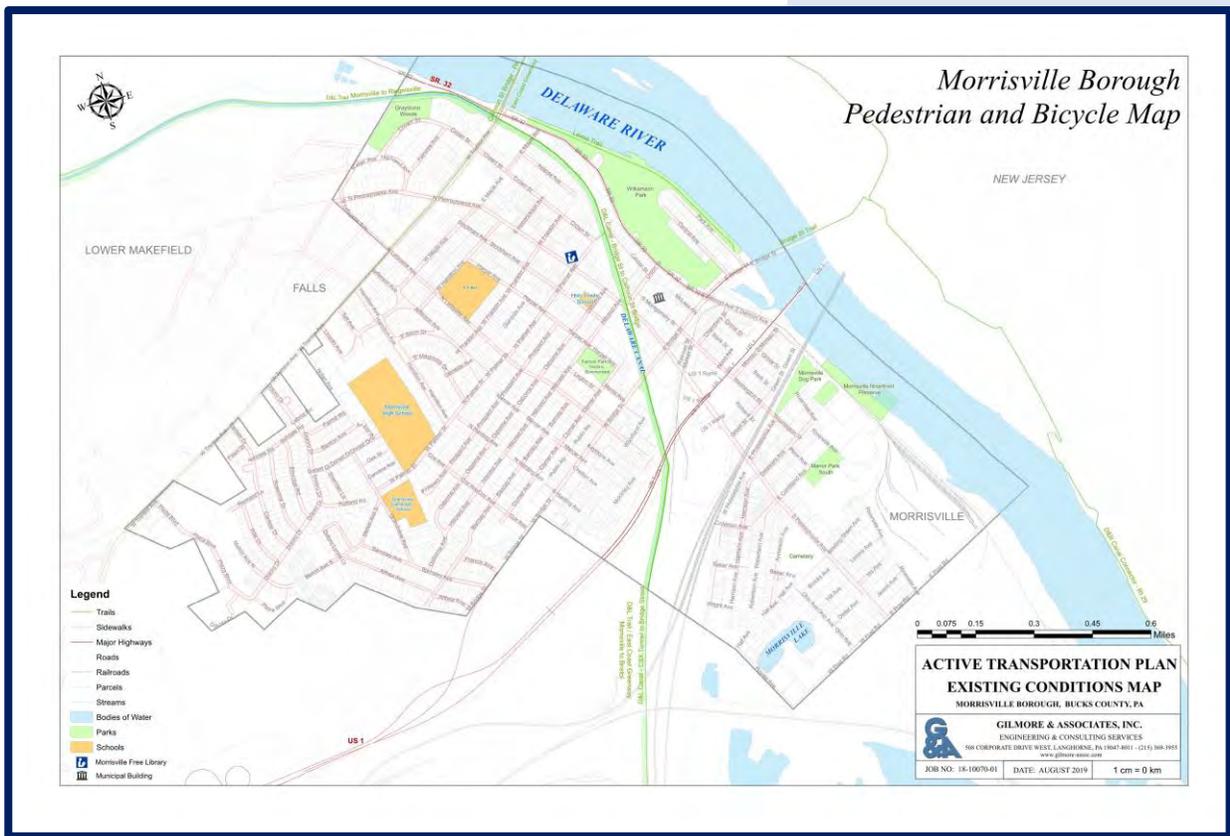
Sources:

U.S. News and World Report
American Hiking Society
American Heart Association

American Trails.org
Pa DCNR
Outdoor Industry Foundation

University of Cincinnati
National Parks Services
Nat’l Int. Children’s Health Quality

National Association of Homebuilders
National Association of Realtors
Outdoor Industry Association
LiveStories.com-Statistics



Morrisville Borough Active Transportation Plan Stakeholder/Steering Committee

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Delaware Canal and D&L Trail

Walking is the **#1 exercise** you can do for the rest of your life!



Crossing Guard Ready for School Children to Cross PA Route 1 Ramp along Pennsylvania Ave.
Photo: May 2019

Purpose, Goals & Methodology

Morrisville Borough is one of just a few municipalities, in Pennsylvania, with a walk-to-school program. Each day, elementary school children cross busy streets with the help of parents and crossing guards. It is also one of few municipalities to serve as a gateway community to another state, and a state capital. Tens of thousands of cars contribute to vehicle counts and congestion that make walking, bicycling, and using mobility alternatives a major challenge. And, Morrisville is one of few municipalities, anywhere, with riverfront parks and two major regional trails, one of which will reach from Florida to Maine. The potential for improvement in Morrisville is great.

The purpose of the Morrisville Borough Active Transportation Plan is to identify real opportunities for change in the pedestrian and bicycle network and to inspire the change to happen.

Goals

- ***To enhance walkability*** through a connected Pedestrian and Bicycle Network
- ***To plan Active Transportation Routes to local destinations***
- ***To improve resident health*** through the provision of pedestrian and bicycle alternatives to vehicular travel and of access to routes for recreation

Methodology

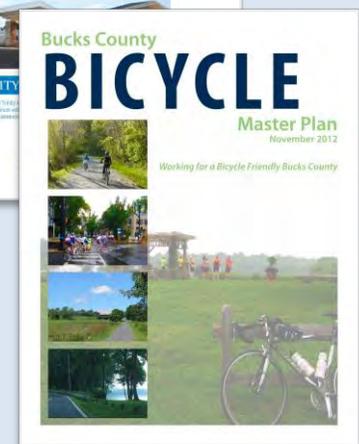
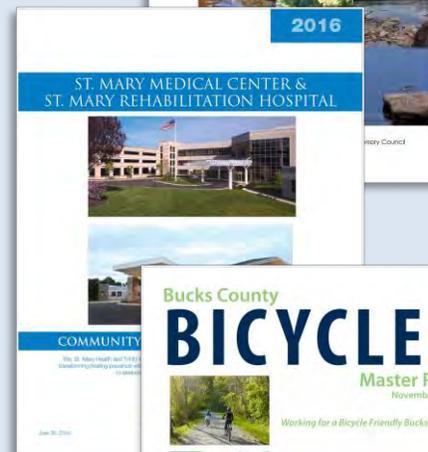
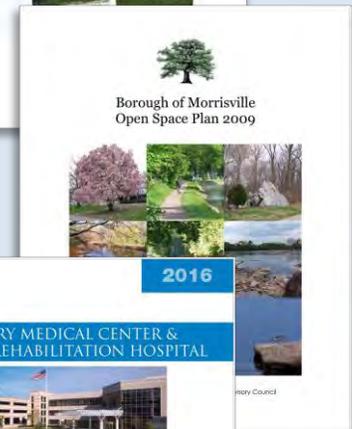
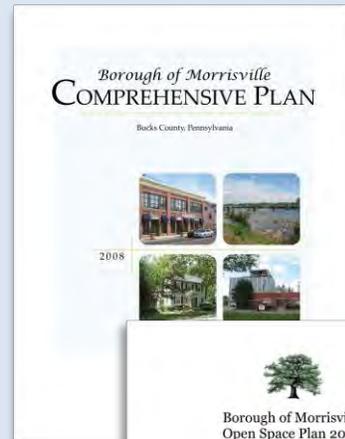
Morrisville Borough staff, with help from the municipal engineer and planners, established a stakeholder/steering committee of volunteers, a borough-wide focus area, and set about gathering relevant mapping data and public input for the plan. Locally available plans were reviewed; questionnaires, handouts, and surveys shared; walkability assessments conducted and recommendations compiled.

- ✓ Reviewed local & regional plans and studies;
- ✓ Reviewed Community Health Needs Assessments;
- ✓ Mapped existing active transportation facilities;
- ✓ Mapped key destinations;
- ✓ Reviewed existing vehicle and pedestrian counts;
- ✓ Gathered public input;
- ✓ Compiled recommendations; and
- ✓ Prepared Generalized Engineer- Cost Estimates

Planning Studies

The following studies were reviewed for their pedestrian and bicycle goals, recommendations, and priorities, specifically related to Morrisville Borough:

- ❖ *Morrisville Borough Comprehensive Plan (2008)*
- ❖ *Morrisville Borough Open Space Plan Update (2009)*
- ❖ *Morrisville Borough Downtown: A Blueprint for the Future*
- ❖ *Morrisville Walkway Development Plan (1985)*
- ❖ *Delaware River Heritage Area Concept Plan (1997)*
- ❖ *Bucks County Comprehensive Plan 2011*
- ❖ *Bucks County Open Space and Greenways (2011)*
- ❖ *Bucks County Waterfront Revitalization Plan 2005*
- ❖ *Bucks County Bicycle Master Plan (2013)*
- ❖ *Green Spaces Great Places 2018*
- ❖ *DVRPC Connections 2045 (2017)*
- ❖ *DVRPC Pedestrian Bicycle Friendly Policies, Practices, and Ordinances*
- ❖ *DVRPC Aging in Place-Municipal Implementation Tool #12 (2007)*
- ❖ *DVRPC Age Friendly Communities-Municipal Implementation Tool #30 (2017)*
- ❖ *Jefferson Health-Northeast Community Health Needs Assessment (2018)*
- ❖ *Rothman Orthopedic Specialty Hospital Community Health Needs Assessment (2018)*
- ❖ *St. Mary Medical Center & St. Mary Rehabilitation Hospital Community Health Needs Assessment (2016)*



Public Participation

Public Participation in Morrisville Borough's Active Transportation Plan included feedback collected from: committee meetings, survey questionnaires, key person interviews, public workshops, and news articles. Improving the pedestrian and bicycle network is universally a priority amongst everyone involved. So important is the subject that residents and committee members braved severe storms for the first public workshop; with one committee member riding a bicycle to the workshop and other attendees using flashlights to illuminate the maps and display boards.



Public Meeting #1 with Light



Public Meeting #1 without Light



Public Meeting #2
National Night Out

Stakeholder/Steering Committee

The stakeholder/steering committee held regular meetings and additionally conducted walkability assessments to inventory and describe existing conditions. Members of the committee represented health advocacy and outreach groups, regional trails, state agencies, emergency rescue crews, schools, recreation groups, and the Borough.

Public Input

Power Point presentations, display boards, surveys, maps, and handouts were used to collect the interests and priorities of the public. Attendees learned about the benefits of being more active, discussed the meaning and opportunity of active transportation routes, and added to a list of favorite destinations.

Top Destinations

- downtown and local businesses,
- restaurants,
- food markets,
- parks and regional trails, and,
- schools.

Destinations

- Parks & Recreation
 - Williamson Park
 - Patriots Park
 - A-Field
 - Morrisville Dog Park
 - Morrisville Riverfront Preserve
 - Manor Park South
 - Levee Trail
 - D&L and East Coast Greenway trails
 - Graystone Woods
 - Red Bridge over D&L
 - Proposed Bridge over Canal at Bridge St
 - Boat Ramp
 - Calhoun St Bridge walking path
 - Bridge St Bridge walking path
- Community
 - Morrisville Presbyterian
 - Morrisville United Methodist
 - Holy Trinity
 - First Baptist Church of Morrisville
 - Morrisville Free Library
 - Summerseat
 - Municipal Building/Morrisville Police
 - Bucks County District Court
 - Senior Center
 - Youth Center
 - YMCA
- Schools
 - Morrisville High School
 - Grandview Elementary School
 - Holy Trinity School
- Downtown and Businesses
 - Bridge Street Businesses
 - 21 Locks Brewing Company
 - Robert Morris Plaza
 - Morrisville Shopping Center
 - Café Antonio
 - ActorsNET
 - Giant Foods
 - Morrisville Lanes
 - Delmor Bowling Lanes
 - Dairy Queen
 - Dacey's Pub



Morrisville Dog Park



Levee Trail

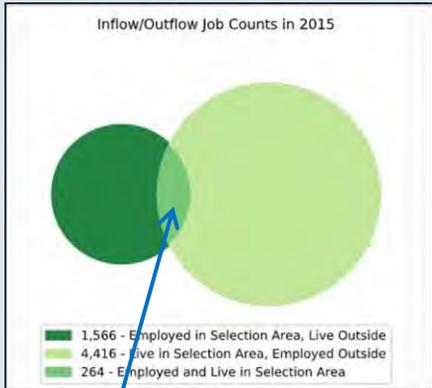


Dairy Queen



Graystones

Existing Conditions



Only 264 employees of Morrisville are actually residents of the Borough.
Figure from onthemap.ces.census.gov

Morrisville Borough is located directly across the Delaware River from Trenton, New Jersey. Nearly 85,000 residents live in Trenton, and as the capital city, that total number swells by thousands each work day. Three automobile (and one rail) bridges connect the Borough and City. Each pulls huge amounts of traffic through Morrisville, or receives it from New Jersey and delivers it to local streets.

Commuter and traffic data for the Borough are staggering: nearly 76,552 Average Annual Daily Trips are recorded and nearly all Borough working residents commute outside Morrisville each day; very few locals walk or bike to work.

Commuter & Traffic Data				
	Bucks County		Morrisville Borough	
Commuters				
Average travel time to work (minutes)	29.8		26.6	
Percentage Driving alone to work	81.9%		81.1%	
Percent Walking or Biking to work	2%		1.3%	
Residents working within municipality	41.3%		5.6%	
Residents commuting outside of municipality	58.7%		94.4%	
Top 5 places commuting to:	City of Philadelphia (11.6%)		City of Philadelphia (9.3%)	
	Bensalem Township (4.8%)		Ewing Township, Mercer NJ (6.8%)	
	Middletown Township (4.3%)		Falls Township (5.9%)	
	Bristol Township (3.6%)		Middletown Township (5.8%)	
	Falls Township (2.4%)		Morrisville Borough (5.6%)	
Top Transportation Routes				
	Road	AADT	Road	AADT
Top 5 Routes and Average Annual Daily Traffic counts (AADT)	US 1 (Lincoln Hwy)	38,050	U.S. 1	28,911
	I-95 (Delaware Expwy)	27,928	Pennsylvania Avenue	15,863
	PA 611 (Easton Rd)	20,842	PA 32 (Bridge Street)	14,493
	US 13 (Bristol Pk)	20,707	Trenton Avenue	12,753
	PA 413 (New Rodgers Rd)	19,864	PA 32 (Delmorr Avenue)	4,532
5 Year Crash Summary				
Total Crashes (2013-2017)	29,929		265	
Total Fatal	0.8%	241	0%	-
Total Injured	52%	15,577	54.7%	145

Table 1. Commuter & Traffic Data

According to a traffic congestion study, prepared by global consulting firm INRIX, traffic congestion in the U.S. cost \$305 billion in 2018, an increase of \$10 billion from 2016. And, vehicle miles travelled in the U.S. are on the rise.

To energize car-commuters into more active lifestyles, and combat the effects of commuting, borough improvements are needed; especially to sidewalks, curb ramps, and street crossings. Existing trails in the borough also show a variety of missing linkages and outdated ramps and safety features common with Americans with Disabilities Act compliance currently.

Existing Conditions GIS & DVRPC Data:

- Existing Bike Lanes or Sharrows—0
- Existing Sidewalk—73,949 linear feet
- Existing Trails—13,864 linear feet
 - D&L Trail 18,694 lf,
 - Levee Trail 3,870 lf,
 - Calhoun St Bridge (as regular route) 850 lf,
 - Bridge St Bridge (as regular route) 450 lf
- DVRPC Pedestrian/Bicycle Counts
 - 159 AADB on Bridge St (2016)
 - 200 AADP-Calhoun St., in Trenton
- Existing Rail Line—12,100 lf

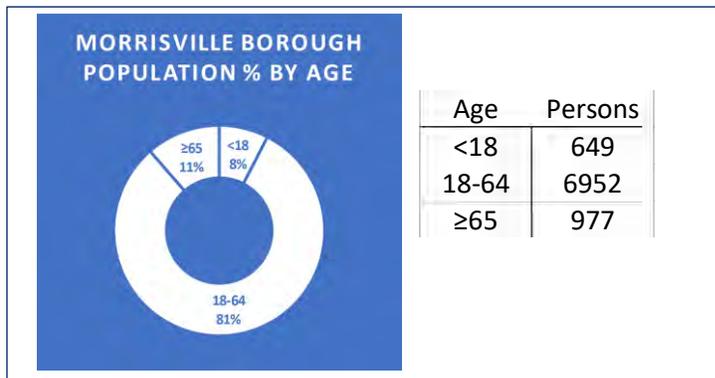


Table 2. Population by Age

To energize the entire borough, even more improvements are needed. US Census and the Delaware Valley Regional Planning Commission suggest though the population is slightly younger, compared to the county, Morrisville is aging without the replacement of school aged children. Age does not preclude someone from being active, but mobility needs and signage needs can be different.



Missing Sidewalk Connections



Sidewalks



Regional Trails



Crossing Upgrades Needed

In recent years, staff and Borough consultants have sought and been awarded large grants to improve some parks, sidewalks, curbs, and crossings. However, some sections of the borough are in need of large scale improvement.



Red Bridge-ADA Needed



Sidewalks & Crossings Needed



Some Walkable Streets



Signage & Lighting Needed



Existing Signage



Existing Signage



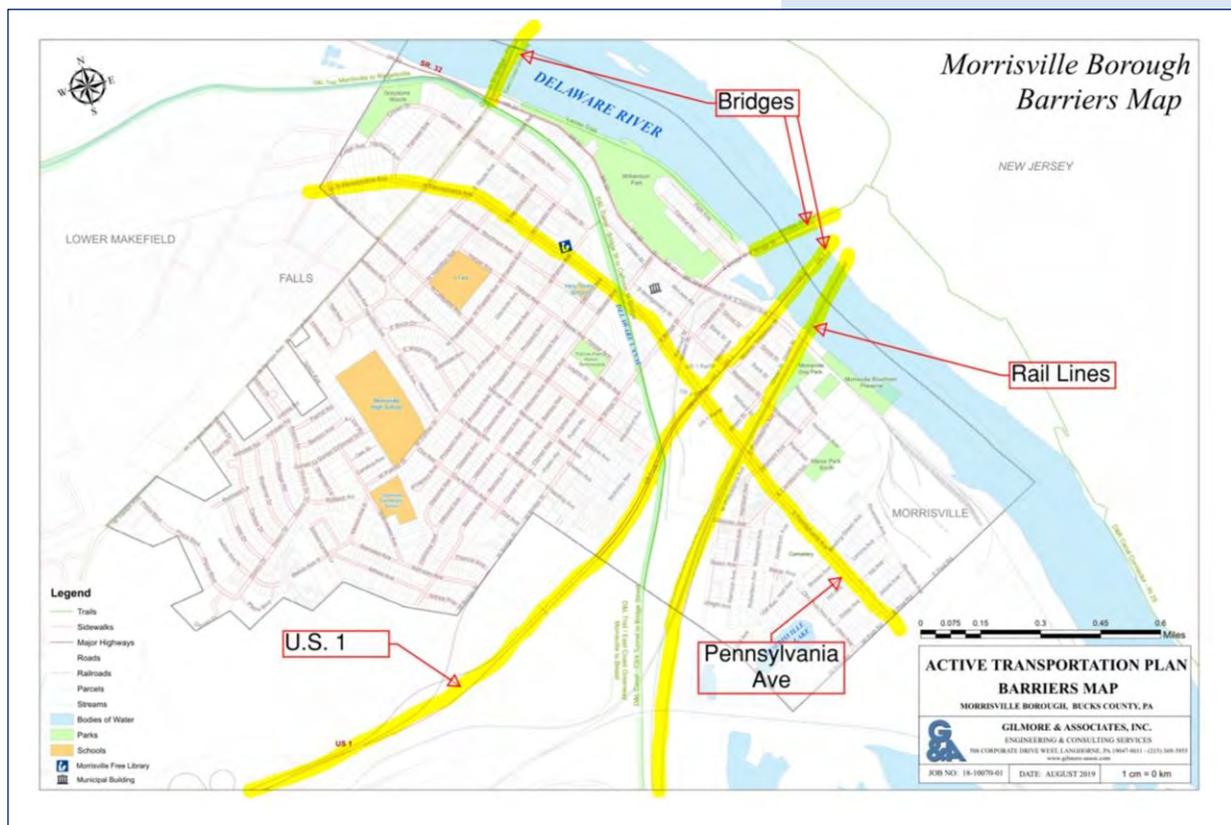
Trailheads-Signage Needed



Safety Features Needed

Barriers

The existing barriers to the pedestrian and bicycle network, and any proposed active transportation route, are significant. East-West bound traffic on U.S. Route 1 travels through Morrisville, and while its traffic does not immediately impact the downtown, travelers using its interchange in the borough do.

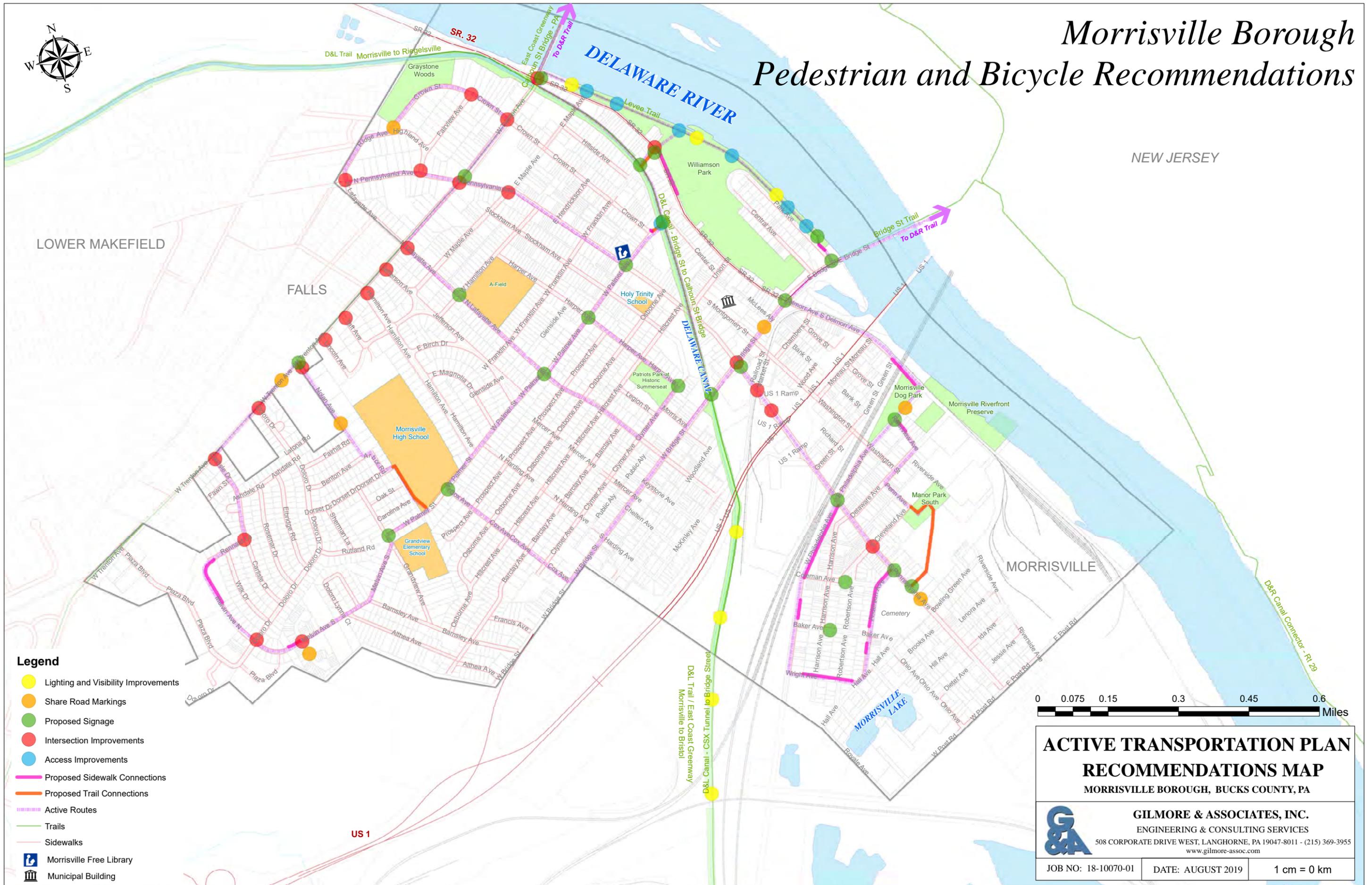


Map 2. Barriers Map

North-South bound traffic is additionally complicating improvements. Vehicles heading to and from three bridges on the Delaware, or to employment centers beyond the borough still need the borough to serve as a gateway, and /or a pass-through connection.

Active freight and commuter/passenger train (AMTRAK) lines split the southern 1/3 of the borough and deserve more signage and crossing safety from the train companies.

Morrisville Borough Pedestrian and Bicycle Recommendations



NEW JERSEY

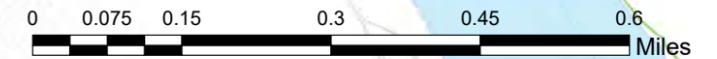
LOWER MAKEFIELD

FALLS

MORRISVILLE

Legend

- Lighting and Visibility Improvements
- Share Road Markings
- Proposed Signage
- Intersection Improvements
- Access Improvements
- Proposed Sidewalk Connections
- Proposed Trail Connections
- Active Routes
- Trails
- Sidewalks
- Morrisville Free Library
- Municipal Building



**ACTIVE TRANSPORTATION PLAN
RECOMMENDATIONS MAP**
MORRISVILLE BOROUGH, BUCKS COUNTY, PA

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Recommendations

Goal 1: Improve What We Have.

Morrisville Borough seeks to increase the active nature of its residents, a community of mostly commuters, and in order to do so, will make improvements to the local pedestrian and bicycle network, and seek opportunities for residents, families, and visitors to use specific sidewalks, multi-use trails, and shared roads. Improvements will allow walking, jogging, strolling, rolling, bicycling, and neighborhood-to-neighborhood and destination visits, to enjoy active transportation routes, walking loops, and trips to shopping, business, schools and parks. Much of the Borough would benefit from the following objectives:

Objective 1A: Improve Lighting and Visibility of Existing Trails—develop a Lighting Plan for the Levee Trail and prepare a strategy with D&L National Heritage Corridor for the D&L Trail;

Objective 1B: Prepare a Sidewalk Inventory—to identify sidewalk widths and determine where ADA improvements are needed;

Objective 1C: Enhance Existing and Add New Signage— for wayfinding, directional and safety signage and especially coordinate with D&L and East Coast Greenway;

Objective 1D: Create a Trail and Sidewalk Maintenance Plan—Develop a collaborative and volunteer based plan to ensure existing trails and sidewalks continue to be maintained for resident enjoyment; include partners such as Friends of the Delaware Canal.

Goal 2: Make the Connections

Morrisville Borough will study, plan, design, and promote active transportation routes throughout the municipality, and even toward and connecting to regional trail systems. Active routes will take on greater meaning to residents and visitors through the promotion of their possible route length and destination importance, even if to create a loop for beginning and ending a health-improvement outing—walking, bicycling, strolling or rolling with wheelchair of other approved health support device. Specific routes have been identified.

Morrisville Borough seeks to plan all new active transportation routes using, in part, existing sidewalks and trails, and in part creating entirely new sidewalks, trails, and connectivity. Actionable items can be found in the enclosed Action Plan.

Objective 2A: Link Disconnected Sidewalks—to formalize the missing linkage currently in excess of 5,227 linear feet throughout, and additionally and especially along Trenton Avenue.

Objective 2B: Identify Trail Connections—to link residents to destinations and other walking routes (see Action Plan list);

Objective 2C: Install New Bicycle Facilities—to extend the duration at, and enjoyment of existing and proposed destinations.

Objective 2D: Improve Pedestrian and Bicycle Crossings—enhance or install pedestrian and bicycle crossings, vehicle stop bars and pedestrian signals where appropriate at signalized vehicular intersections (see Action Plan);

Objective 2E: Redesign Waterway Crossings for Safe Pedestrian and Automotive Travel—at any location along the D&L and East Coast Greenway possible, especially ‘Red Bridge’;

Objective 2F: Enhance Wayfinding & Amenity Signage—unify design, enhance and/or install wayfinding and amenity signage, at proposed twenty-three (23) Action Plan gateway, trailhead and rest area, and Active Transportation Route locations;

Objective 2G: Introduce Roadway Markings for Safe Walking Roads—including three primary locations for painting of share the road symbols and roadway markings on residential roads determined to have volume and speed safe for walking;

Objective 2H: Enhance Trail Safety Signage— especially enhance or install trail safety signage such as pedestrian stop signs at roadway connections of Levee Trail, Manor Park, and Franklin Street.

Objective 2I: Enhance Trail Amenities— along existing and new trails to support trail users with improved lighting, rest areas, signage and restroom resources.

Goal 3: Create a “Brand” for Our Active Transportation Routes

The installation of new active transportation routes, in Morrisville Borough, will include the plan, design, and construction of physical routes, the branding and marketing of the unique features of each route, and the promotion of the benefits of being active, using the new routes, and sustaining a healthy lifestyle (see Recommendations Map as well as Action Plan).

Objective 3A: Identify Routes Ranging ¼ Mile to 4 Miles +—for the establishment of **eleven (11)** proposed active transportation routes, with associated distances, with wayfinding and health signage installed.

Goal 4: Inform and Educate

Objective 4A: Provide Easy to Access and Share Trail and Bike Info—Provide residents/visitors with accessible information regarding all routes; regarding existing and possibly new walking groups, especially those which include participants of all ages, ie. Ivan’s House existing programs, and nationally, “Healthy Kids Running” youth activities; and prepare a trail map with the trail complexity and destinations. Creation of online trail maps and where possible interactive map features, is critical.

Objective 4B: Educate, Inform, and Promote the Benefits—continuously inform residents of the health benefits of walking, bicycling, and being active through use of trail maps, benefits handouts and studies, and document links to the Borough website.

Design Considerations

Morrisville Borough has a variety of existing sidewalk, trail, and bicycle types currently, and will improve on the inventory for active transportation planning purposes.

The Morrisville Borough Active Transportation Plan identifies eleven (11) separate active transportation routes, or active routes.

Each route will consist of the walking and bicycling routes of existing and new sidewalk paths, macadam surfaced multi-use trail paths, new pedestrian crossings and signage, and even in some cases, in road bicycling routes.

Common trail path types used regionally have been confirmed for use in Morrisville, to the extent visually possible; recommendations are made to further study the engineering requirements of sidewalk repairs and for in road cycling.

Common Path/Trail/ Route Types



Macadam



Crushed Stone



Natural



Boardwalk



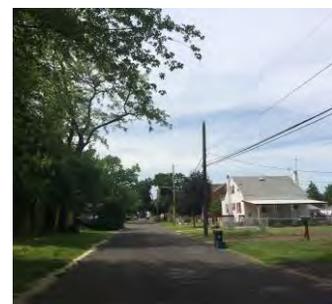
Bike Lane



Sharrows



Sidewalk



Country Road

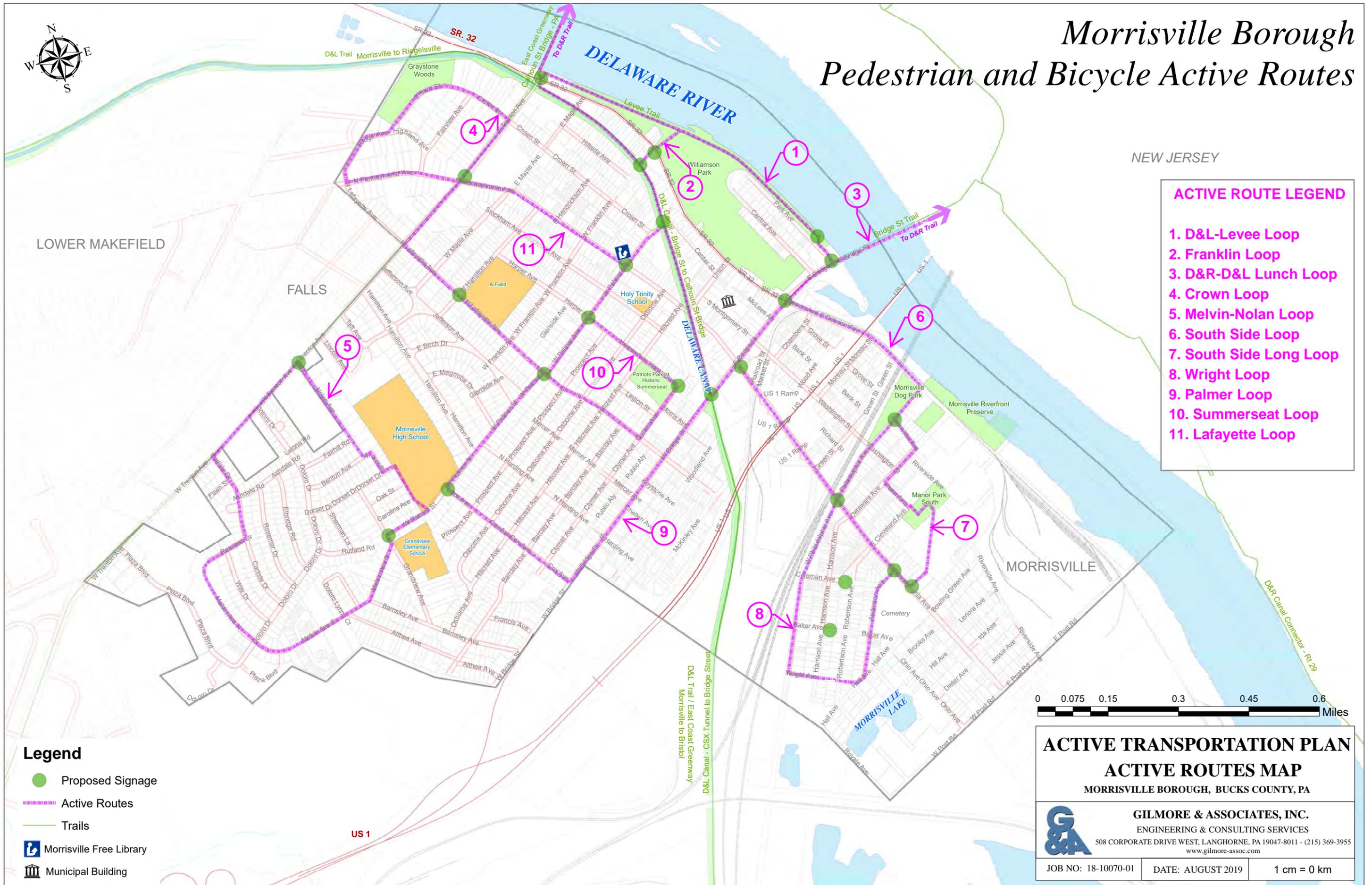
Morrisville Borough Pedestrian and Bicycle Active Routes



NEW JERSEY

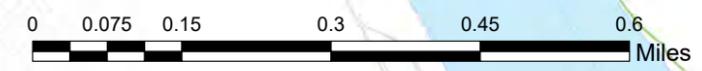
ACTIVE ROUTE LEGEND

1. D&L-Levee Loop
2. Franklin Loop
3. D&R-D&L Lunch Loop
4. Crown Loop
5. Melvin-Nolan Loop
6. South Side Loop
7. South Side Long Loop
8. Wright Loop
9. Palmer Loop
10. Summerseat Loop
11. Lafayette Loop



Legend

- Proposed Signage
- ▬ Active Routes
- ▬ Trails
- Morrisville Free Library
- Municipal Building



ACTIVE TRANSPORTATION PLAN
ACTIVE ROUTES MAP
MORRISVILLE BOROUGH, BUCKS COUNTY, PA

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Map 4. Pedestrian and Bicycle Active Routes

Active Routes

The Active Routes identified were each planned with the intent of connecting residents to multiple important destinations, while providing a recreational route get residents out, active and healthy. The destination links found along each route are listed in the below table.

Morrisville Borough Proposed Active Transportation Routes-Destinations		
Loop Name:		Destinations:
D&L-Levee Loop (2 mile):	Levee Trail Williamson Park D&L Trail Bridge Street Businesses 21 Locks Brewing Company Links to the Municipal Building	Police Station Public Library YMCA Schools Churches across the Red Bridge
Franklin Loop (3/4 mile):	Levee Trail Williamson Park D&L Trail & Links to the Library YMCA & Schools across the Red Bridge	
D&R-D&L Lunch Loop (3mile):	Levee Trail Williamson Park Bridge St. & Calhoun St. Bridges City of Trenton	
Crown Loop (0.9 mile):	Neighborhoods Graystone Woods Links to Trent Ave. & Pennsylvania Ave. Businesses	
Melvin-Nolan Loop (1.75 mile):	Neighborhoods Morrisville High School Grandview Elementary School	Trenton Avenue Businesses Links to other active routes
South Side Loop (1.25 mile):	Neighborhoods Morrisville Riverfront Preserve Morrisville Dog Park	Bridge St. Businesses Other active routes
South Side Long Loop (2.25 mile):	Neighborhoods Morrisville Riverfront Preserve Morrisville Dog Park Manor Park South Senior Center	Bucks County District Court Youth Center Dacey's Pub Businesses along Bridge St. and west of Philadelphia Ave. Other active routes
Wright Loop (1 mile):	Neighborhoods Youth Center Businesses west of Philadelphia Ave. Other active routes	
Palmer Loop (2 miles):	Neighborhoods Morrisville High School Morrisville Free Library D&L Trail	Bridge St. Businesses & Shopping Centers Other active routes Links to the Holy Trinity School & YMCA
Summerseat Loop (0.75 mile):	Neighborhoods Summerseat Patriots Park Other active routes	
Layfayette Loop (1.25 mile):	Neighborhoods Morrisville Free Library A-Field	Trenton Ave. & Pennsylvania Ave. Businesses Other active routes

Table 3. Morrisville Borough Proposed Active Transportation Routes- Destinations

General Costs

Achieving the goals of the Morrisville Borough Active Transportation Plan will require significant forethought with regard to the availability and timing of funds; funds to plan, design, and construct each upgrade or new improvement.

Improvements small and large can have an immense impact on walkability. Even seemingly small improvements can have large expense, and immediately change the outcome of a poorly planned improvement.

Engineers and planners prepared the enclosed General Cost Estimates, in basic units, to support the Borough's prioritization of improvements.

General Cost Estimates

Improvement	Unit	Cost
<i>Pathway</i>		
5' wide Sidewalk	LF	\$ 150.00
10' wide accessible Trail	LF	\$ 200.00
Bike Lane	LF	\$ 9.50
Sharrows	EA	\$ 400.00
<i>Crossings</i>		
Crosswalk - 8' wide (painted)	LF	\$ 30.00
Crosswalk (raised)	EA	\$ 6,500.00
Painted Stop Bar	LF	\$ 15.00
ADA Curb Ramp	EA	\$5K-\$10K
Detectable Warning Surface	SF	\$ 65.00
Pedestrian Signal Heads	EA	\$ 650.00
Pedestrian Push Buttons	EA	\$600-\$1,200
Rectangular Rapid Flashing Beacon	EA	\$ 85,000.00
<i>Signage</i>		
Trailhead Kiosk	EA	\$ 12,000.00
Wayfinding/Directional	EA	\$ 6,500.00
Educational	EA	\$ 1,800.00
Distance Markers	EA	\$ 125.00
<i>Amenities</i>		
Bench	EA	\$ 1,200.00
Lighting	EA	\$ 5,000.00
Emergency Call Box	EA	\$ 1,800.00
Trash Can	EA	\$ 1,000.00
Dog Station	EA	\$ 150.00
Bike Rack	EA	\$ 1,800.00
Bike Repair Station	EA	\$ 2,500.00
<i>Outreach/Media</i>		
Borough Trail Map (online)	EA	\$ 2,000.00
Borough Trail Map (printed)	LS	\$ 6,000.00
Interactive Map/App Development	LS	\$ 3,750.00
<i>Programs</i>		
Bike Share	LS	\$ 12,000.00
Sponsored Community Walks	LS	\$ 5,000.00

Table 4. General Cost Estimates

Action Plan

Implementing the recommendations of the Morrisville Borough Active Transportation Plan will result in a healthier and more engaging community. It will require the commitment of elected officials, commissions, staff, volunteer committees, residents, businesses, and consultants and professionals. Each recommendation is presented in the Action Plan table as part of a whole, with a greater goal of connecting the entire Borough pedestrian and bicycle network. Some recommendations will impact the Borough financially in ways which require strategic partnerships.

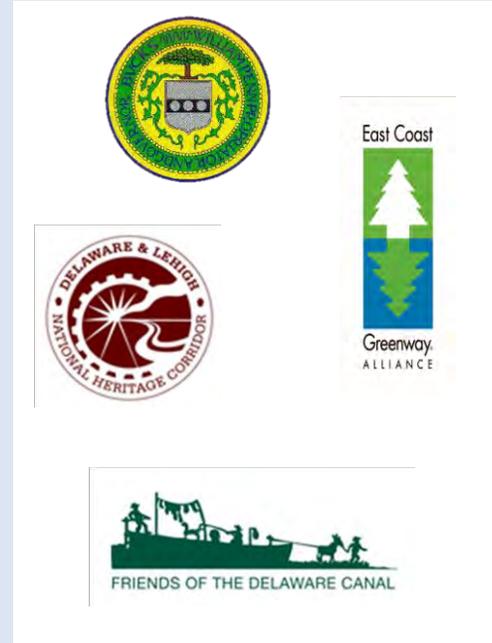
Morrisville Borough is part of a consortium of partners who actively work with local businesses, charities, and the county to create and promote revitalization.

Funding Opportunities

Primary sources of funding include the use of municipal dollars, earned from tax revenue, fees, developer concessions, and borrowing. Federal, State, County, and local funding opportunities are available to help plan, design, and construct the recommendations of this plan to improve the health, safety, and mobility of residents. Secondary sources include private foundations and non-profit groups. Funding sources change from year to year: in some cases available funds have decreased and in others the variety is more interesting; for example, the Commonwealth now has funding for trail maintenance and equipment. The active transportation recommendations of this plan incorporate multi-modal means of transportation, recreation facilities, and streetscape improvements, and are therefore eligible for grant support through multiple funding sources.

See the Funding Opportunities Appendices for a full breakdown of potential grant sources.

Partnership Opportunities



Morrisville Borough Active Transportation Plan-Action Plan

Recommendations are provided in the form of Goals, Objectives and Action Items (A.I.)

	Priority	Timeline
GOAL 1: Improve What We Have		
Objective 1A: Improve Lighting and Visibility of Existing Trails	1	Yr 1-2
A.I. Develop and implement a Levee Trail Lighting Plan		
A.I. Coordinate lighting with D&L Trail from US Rt 1 to new Canal tunnel		
Objective 1B: Prepare a Sidewalk Inventory	2	Yr 3-5
A.I. Develop inventory of condition, widths and ADA compliance especially		
Objective 1C: Enhance Existing and Add New Signage	1	Yr 1-5
A.I. Coordinate with D&L and East Coast Greenway for style and cost, and match local signs		
Objective 1D: Create a Trail and Sidewalk Maintenance Plan	1	Yr 1-5>
A.I. Develop a collaborative and volunteer based plan		
GOAL 2: Make the Connections		
Objective 2A: Link Disconnected Sidewalks	1	Yr 1-3
A.I. 158 LF (0.03 miles) needed between Crown Street sidewalks and D&L access		
A.I. 845 LF (0.16 miles) needed along Williamson Park and Delmorr Ave from Franklin St to existing		
A.I. 158 LF (0.03 miles) needed on Melvin Ave between existing sidewalks, south of Doloro Dr		
A.I. 581 LF (0.11 miles) needed between Melvin Ave existing sidewalks and Rennard Ln sidewalks		
A.I. 53 LF (0.01 miles) connect Trenton Ave bridge sidewalk with Trenton Ave & Calhoun St Bridge		
A.I. 898 LF (0.17 miles) needed between existing Anderson Ave sidewalks		
A.I. 581 LF (0.11 miles) needed between existing Wright Ave sidewalks		
A.I. 1,214 LF (0.23 miles) needed between existing W Philadelphia Ave sidewalks		
A.I. 158 LF (0.03 miles) needed on Riverview Ave between existing sidewalks and Philadelphia Ave		
A.I. 475 LF (0.09 miles) needed from existing Delmorr Ave sidewalks to Philadelphia Ave		
A.I. 106 LF (0.02 miles) needed between existing Park Ave sidewalks and Levee Trail ramp		
A.I. connect and improve sidewalks, ramps and driveway crossings on W Trenton Ave.		
A.I. Pursue partnership with Falls Township to fill pedestrian gaps along W Trenton Ave		
Objective 2B: Identify the Trail Connections	1	Yr 1-3
A.I. 158 LF (0.03 miles) needs ADA improvement between Palmer Ave and D&L crossing		
A.I. 264 LF (0.05 miles) trail connection needed Franklin Street, D&L Trail, Williamson Park		
A.I. 1,320 LF (0.25 miles) needed from Manor Park South to Pennsylvania Ave		
A.I. 634 LF (0.12 miles) needed from Dorset Dr. to W Palmer St.		
A.I. Support the design of a Williamson Park perimeter trail		
Objective 2C: Install New Bicycle Facilities	2	Yr 1-2
A.I. Bike racks and repair stations are needed throughout the Boro		
A.I. Install bike gutters (tire guides) along pedestrian park/trail staircases		
Objective 2D: Improve Pedestrian and Bicycle crossings	1	Yr 1-2
A.I. Install traffic stop bars and crosswalks at every pedestrian pathway/roadway crossing		
A.I. Add pedestrian safety signage at all crossings		
A.I. Add pedestrian signals at all signalized vehicular intersections		
A.I. Improve existing pedestrian facilities to ADA standards		
<ul style="list-style-type: none"> Update ramps and add crosswalks at: <ul style="list-style-type: none"> Trenton Ave at: Doloro Dr, Nolan Ave, Lincoln Ave, Taft Ave, Hamilton Ave, Jefferson Ave Trenton Ave at: Lafayette Ave, Carlisle Dr Rennard Ln and Carlisle Dr Highland Ave at Pennsylvania Ave 		

Ridge Ave at Pennsylvania Ave
 Fairview Ave at Crown St
 Melvin Ave and Doloro Dr
 Pennsylvania Ave and Maple Ave
 Pennsylvania Ave and Bridge St

- Other:

Update Crown St. pedestrian facilities north and south of Trenton Ave
 Update crosswalks and pedestrian signals at Pennsylvania Ave-Trenton Ave intersection
 Increase pedestrian warning signs on ramps, and refresh crosswalks- U.S. Route 1-Pennsylvania
 Pennsylvania Ave and Railroad crossing-increase pedestrian safety signage
 Add pedestrian facilities to connect with proposed sidewalk- Melvin Ave and Melvin Ct

A.I. Redesign Key Intersections with Pedestrian Facilities

- Calhoun Street and Trenton Avenue-install and improve pedestrian facilities
- Cleveland Ave and Pennsylvania Ave- also add a Rectangular Rapid Flash Beacon (RRFB)
- Franklin St and Delmorr Ave- also add mid-block crossing

Objective 2E: Redesign waterway crossings for safe pedestrian and automotive travel 2 Yr 2-5

A.I. Improve the Red Bridge D&L Canal crossing and enhance ADA access

Objective 2F: Enhance Wayfinding & Amenity Signage 1 Yr 1-5

A.I. Install "Pedestrian and Bicycle Friendly Community Signs"

A.I. Establish New Trailheads with Rest Areas, Kiosks and Potentially Restrooms

- Franklin Street and Delmorr Ave corner across from Williamson Park

A.I. Wayfinding/Amenity signage directing to local businesses and destinations

- At Palmer St and Lafayette Ave and Pennsylvania Ave to Trenton Avenue Businesses
- At Palmer St and Cox Ave to Morrisville High School and Grandview Elementary
- At Palmer St and Grandview Ave to Grandview Elementary and Morrisville High School
- At Nolan Ave and Trenton Ave to Trenton Ave Businesses
- At Nolan Ave and Trenton Ave to Morrisville High School and Grandview Elementary
- At D&L Trail and Bridge St to Bridge Street Businesses
- At Lafayette Ave and W Hamilton Ave to A-Field

A.I. Wayfinding signage to, and along Active Transportation Routes

- Add 1/4 mile distance markers along proposed routes, with route name and directional arrow
- At Pennsylvania Ave and Trenton Ave for distinction between routes
- At Pennsylvania Ave and Palmer St for distinction between routes
- At Palmer St and Harper Ave for distinction between routes
- At Harper Ave and Clymer Ave to distinguish Patriots Park/Summerseat and routes
- At D&L Trail and Palmer to distinguish multiple routes
- At D&L Trail and E Franklin St for routes, Williamson Park, D&L, and Levee Trail destinations
- At D&L Trail and Bridge St for multiple routes and Bridge Street Businesses
- At Bridge St and Delmorr Ave for multiple routes and Williamson Park
- At Bridge St and Park Ave for multiple routes, Levee Trail, Williamson Park
- At Bridge St and Park Ave for the City of Trenton
- At Bridge St and Pennsylvania Ave for distinction between routes
- At Pennsylvania Ave and Anderson Ave for multiple routes
- At Philadelphia Ave and Pennsylvania Ave to distinguish multiple routes
- At Philadelphia Ave and Riverview Ave for multiple routes
- At Calhoun St and Delmorr Ave for distinction between multiple routes

A.I. Directional signage to closest active transportation routes

A.I. Re-evaluate existing signage to improve visibility & compatibility

A.I. Place trail signage with directions to public restrooms, healthcare & lodging

Objective 2G: Introduce Roadway Markings for Safe Walking Roads 2 Yr 2-5

- A.I. Paint share the road symbols (pedestrian and bicycle) on:
 - Nolan Ave, Baker Ave, Coleman Ave, Melvin Ct and portions of Philadelphia Ave
 - Ridge Ave, Highland Ave and Crown St intersection

- A.I. Paint bicycle sharrow symbols on roadways where multiuse pathways are not feasible
 - Mark Trenton Avenue, Pennsylvania Avenue and Bridge Street with Bicycle Sharrow symbols

Objective 2H: Enhance Trail Safety Signage 3 Yr 3-5

- A.I. Add trail user safety signage like stop signs to major, or unanticipated roadway connections
 - proposed Manor Park Trail intersection with Pennsylvania Avenue
 - Levee Trail ends
 - Franklin Street proposed trail intersection with Delmorr Ave

Objective 2I: Enhance Trail Amenities 1 Yr 1-5

- A.I. Improve trail amenities to existing and new trails to support users
 - lighting, benches, educational signs and kiosks, bike repair stations and bathroom access

GOAL 3: Create a "Brand" for Our Active Transportation Routes

Objective 3A: Identify routes ranging from 1/4mile to 4+ miles 2 Yr 1-5

- #1 develop the **D&L-Levee Loop (2 mile)** using existing sidewalks, sidewalk and trail connections
- A.I. and signage, includes; Levee Trail to Bridge St., D&L connection to Delmorr to Levee Trail

- #2 develop the **Franklin Loop (3/4 mile)** using existing and proposed trails, trail connections and signage includes; Franklin St. proposed trail and crossing, Levee Trail, Delmorr crossing to D&L
- A.I. Trail back to Franklin

- #3 develop the **D&R-D&L Lunch Loop (3 mile)** using existing sidewalks and trails, trail connections and signage includes Use the Levee Trail and pedestrain facilities on Calhoun St bridge and Bridge
- A.I. St Bridge to connect with the D&R Trail

- #4 develop the **Crown Loop (0.9 mile)** using existing sidewalks, connection improvements and
- A.I. signage includes; Crown St, Trenton Ave, Pennsylvania Ave, Ridge Ave

- #5 develop the **Melvin-Nolan Loop (1 3/4 mile)** using existing sidewalks, trail connections, crossing improvements and signage includes; Melvin Ave, Rennard La, Carlisle Dr, Trenton Ave, Nolan Ave,
- A.I. Morrisville High School proposed trail, Palmer St

- #6 develop the **South Side Loop (1 1/4 mile)** using existing & proposed sidewalk, crossing
- A.I. improvements and signage, includes; Bridge St, Delmorr Ave, Philadelphia Ave, Pennsylvania Ave

- #7 develop the **South Side Long Loop (2 1/4 mile)** using existing & proposed sidewalks, crossing improvements and signage, includes Bridge St, Delmorr Ave, Philadelphia Ave, Riverview Ave,
- A.I. Delaware Ave, Penn Ave, Manor Park South proposed Trail, Pennsylvania Ave

- #8 develop the **Wright Loop (1 mile)** using existing & proposed sidewalks, crossing improvements
- A.I. and signage, includes; Anderson Ave, Wright Ave, W Philadelphia Ave, Pennsylvania Ave

- #9 develop the **Palmer Loop (2 miles)** using existing & proposed sidewalk, trail connection &
- A.I. crossing improvements and signage, includes; Palmer St, D&L Trail, Bridge St, Cox Ave

- #10 develop the **Summerseat Loop (3/4 mile)** using existing sidewalks, crossing improvements and
- A.I. signage, includes; Palmer St, Harper Ave, Clymer Ave, Lafayette Ave

- #11 develop the **Lafayette Loop (1 1/4 miles)** includes Lafayette Ave, W Trenton Ave, Pennsylvania
- A.I. Ave, Palmer St

A.I. Support future trail expansions and connections to nearby destinations outside of the Borough

GOAL 4: Inform and Educate

Objective 4A: Provide Easy to Access and Share Trail and Bike Info 1 Yr 1-5

A.I. Promote and support existing and proposed Walking Groups
Consider Ivans House, youth groups, senior center, and Healthy Kids Running

A.I. Develop a Borough Trail Map with trail length, difficulty, and destinations

A.I. Provide the Borough Trail Map at Borough Hall, park kiosks, and popular destinations

A.I. Make the Borough Trail Map available online

A.I. Explore the feasibility of developing an interactive Borough Trail Map with GPS for residents to track their health achievements

Objective 4B: Educate, Inform, and Promote the Benefits 1 Yr 1-5

A.I. Include the benefits of walking/biking on the Borough Trail Map

A.I. Share benefits handouts/studies with residents on the Borough website

Table 5. Morrisville Borough Active Transportation Plan-Action Plan

Project Priority Levels are ranked from 1-3, with 1 being a top priority, and are determined based on project difficulty, feasibility, project length and cost, landowner negotiations and potential funding support.

Project Timelines span from 1-5 years with some recommendations extending past 5 years. Timelines are assigned based on a projects difficulty, including potential planning, design and construction needs, cost needs, and sequential placement where projects depend on the completion of other recommendations.

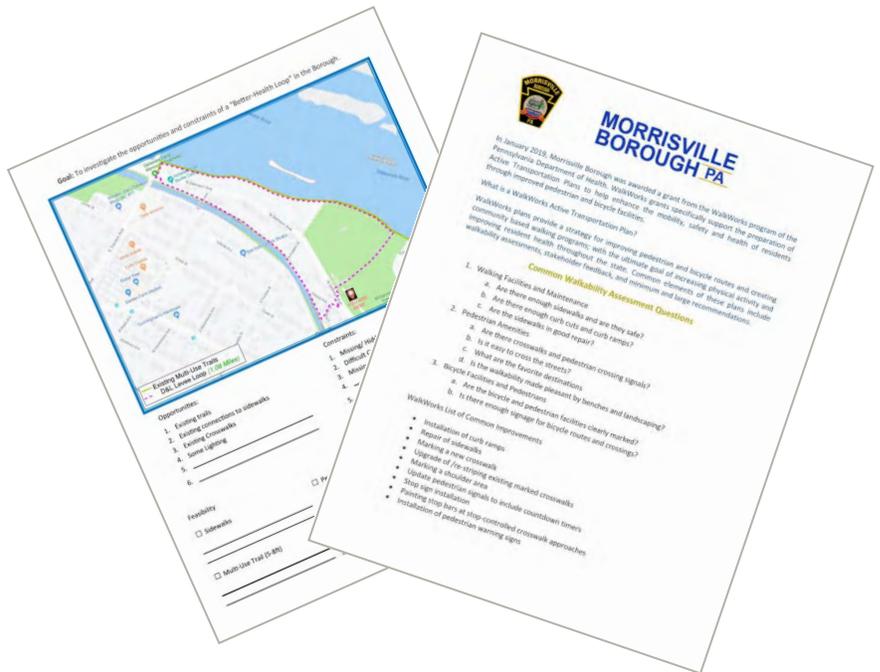
Appendices

Public Participation

Steering Committee Meetings & Walkability Assessment

The Steering Committee for Morrisville's Active Transportation Plan consisted of individuals from a wide range of disciplines, including municipal officials, engineers, local and regional trail and community planners and coordinators, EMS and various health workers, local community groups and state transportation experts. The committee met regularly throughout the plan's development and provided critical information regarding local priorities, past and present safety and mobility efforts, route options and priority concerns.

The provided input through multiple meetings, questionnaires and a walkability assessment, through which the committee examined the Borough's existing conditions and helped to identify top priorities moving forward with resident accessibility, safety and enjoyment as the driving force behind their recommendations.



Partner Visions for Bristol

Delaware and Lehigh National Heritage Corridor: D&L Trail Enhancement

The D&L Trail is a critical part of the walking and biking infrastructure in Morrisville Borough. It connects people to nature, history, and healthy lifestyles. As the trail gets more connected it allows for economic development via tourism and increased property values. In Morrisville, we would like to see the D&L Trail better connected to the local business districts, parks, and trailheads. This can be done with a combination of physical infrastructure like better trails, bike lanes, and wayfinding signage, but also with information that promotes the trails as destinations for both residents and visitors. By creating walkable/bikeable communities the D&L Trail helps improve the quality of life and becomes a critical resource that is valued by all.

Delaware Valley Planning Commission: Bike Share Programs

The Delaware Valley Regional Planning Commission (DVRPC) shared their ongoing efforts to develop a regional Bike Share Program, and their excitement to include Bristol in the system. Below is a general description of the program:

DVRPC is currently engaged in a Regional Strategy and Best Practices for Bike Share Program Coordination. As part of this work, DVRPC is exploring options and good practice for regional coordination of bike share programs. This project is a regional project that will develop an appropriate framework for creating a platform for regionally coordinating bike share program(s). This framework will explore the following elements: 1) the development of system specifications and functionality that ensures both an effective system and system interoperability across geographical boundaries; 2) contract standardization between system owners and operators across the system network; and 3) a central management or direction team to coordinate and align system design, development, and implementation.



MEMORANDUM

Date: May 16, 2019

To: Morrisville Borough ATP Steering Committee

From: Kent Baird, AICP, Community Planner
Elizabeth Rosencrans, Junior Planner

Reference: Morrisville–Active Transportation Plan (ATP)
Steering Committee Meeting #1—Minutes

Summary

The first Steering Committee (SC) Meeting for the Morrisville Borough Active Transportation Plan was held at Morrisville Borough Hall, 5:00PM on Wednesday, May 22, 2019, to introduce the project background, basics, and early goals of the plan. There were 12 individuals in attendance: both in person and via phone (*see attached sign in sheet*). The following is a summary of the meeting and steering committee comments.

Meeting Minutes

Meeting led by Gilmore and Associates, Inc.'s Kent Baird and Liz Rosencrans

- I. Sign in Sheet, Agenda, Walkability Handout, Questionnaire, and Map sent around
- II. Introductions
 1. Debbie Smith, Council President, and Scott Mitchell, Borough Manager, and Kent Baird opened the meeting with welcoming remarks. Member attendees followed with introductions of: Borough Council, the municipal engineer, Capital Health and Morrisville EMS, Ivins Outreach Center, Keystone Municipal Services, East Coast Greenway Alliance (ECG), and PA Department of Transportation.
- III. Power Point Presentation
 1. Kent Baird and Liz Rosencrans shared a presentation with SC members with special focus on early findings for the background data, key plan components, project goals, and future grant funding. Key points included:

- The WalkWorks project and Active Transportation Plan with special emphasis on improving the health and well-being of residents and visitors;
- Making Sense of Existing Conditions (sidewalks, trails, signage);
- Goals Aligning with Local Interests—local destinations and walking/biking loops;
- Public input gathering can be—traditional or include new outreach ideas.

IV. Existing Conditions/Opportunities Discussion

1. A rolling round table discussion included:

- Handling heavy traffic conditions to develop safe walking routes and crossings
- Wayfinding signage and mile markers to help EMS response; especially on levee
- Partnering with local businesses located along walking routes (Dairy Queen)
- Destinations to add to the map: Heritage Center Theater, red bridge, Senior Center
- Highlight trail connections with signage
- Expand/formalize existing routes (Library Route, Preserve to Williamson Park, etc.)
- Improve sidewalk conditions and enforce maintenance to maintain access—past walking groups with seniors and school children can no longer work due to conditions and traffic
- Parks as a major destination (Williamson Park, Patriots Park)
- Bridge improvements, ownership and designs
- ID mileage of walking routes for residents
- Incorporate social media and mobile access for information on walking routes
- Tree issues—growing trees warping sidewalks and curbs—how to combat?
- Heavy foot traffic from 11:30AM-2PM and local walking groups visit from Trenton
- Walkability grants were awarded to the school district in the past
- Walking District—improvements for kids walking to school
- Tripping hazards with older warped sidewalks
- Potential Stakeholders: crossing guards, NJ DOT walking group,
- Road markings important for altering automotive drivers
- Tuesday August 6th—potential date for 2nd Public Meeting
- Bike racks and repair stations are definitely needed
- Pedestrian bridge is needed at Clymer and Harper
- Crossing guards could be good stakeholder interviewees
- DCNR Restrooms—maintained by the Borough—potential improvements
- Painting and restriping for sharrows and bike lanes
- ADA and Federal regulations
- There is a need to put PA Bike Route E on top of the D&L now,
- For future reference PADOT will replace curb ramps as part of proposed state projects

V. Additional Items:

1. ECG will share current trail and bike plans, trail alignments, and GIS data
2. G&A will coordinate with steering committee to coordinate the next mtg.
3. Ivins Outreach Center will help G&A connect with school walking groups and the school district, senior center, Holy Trinity and YMCA

The Meeting was adjourned around 6:30PM.

Note: tentative date of next committee meeting to be determined by email poll/Doodle Poll



MEMORANDUM

Date: June 19, 2019

To: Morrisville Borough ATP Steering Committee

From: Kent Baird, AICP, Community Planner
Elizabeth Rosencrans, Junior Planner

Reference: Morrisville–Active Transportation Plan (ATP)
Steering Committee Meeting #2—Minutes

Summary

The second Steering Committee (SC) Meeting for the Morrisville Borough Active Transportation Plan was held at Morrisville Borough Hall, 5:00PM on Wednesday, June 19, 2019, to introduce the project background, basics, and early goals of the plan. There were 9 individuals in attendance (*see attached sign in sheet*). The following is a summary of the meeting and steering committee comments.

Meeting Minutes

Meeting led by Gilmore and Associates, Inc.'s Liz Rosencrans

- I. Sign in Sheet and Agenda sent around
- II. Power Point Presentation

Liz Rosencrans shared a presentation with SC members to review the project background and goals, highlight existing conditions and potential destinations, and plan for a public meeting; the Key points included:

- Project Goals—improve walkability borough-wide, provide active routes to destinations, improve health of residents;
- Existing Conditions—what we have and what we need (path links, signage, safety);
- Destinations for residents & visitors;
- Public Input—taking participation to public events & upcoming opportunities;
- Walking Meeting—develop & explore a walking route.

III. Map Activity (*see map attached*)

A rolling round table discussion and map mark-up to identify existing conditions, destinations and potential walking routes included:

- Destinations (in no particular order)
 - Boat Ramp
 - Graystone Woods
 - Churches (Morrisville Presbyterian, Morrisville United Methodist, Holy Trinity, First Baptist Church of Morrisville)
 - Delmor Bowling Lanes
 - Morrisville Lanes
 - Business District
 - Giant Foods
 - Schools (Morrisville High School, Grandview Elementary School, Holy Trinity School)
 - Bridge Street Businesses
 - A-Field
 - Morrisville Shopping Center
 - Café Antonio
 - ActorsNET
 - Calhoun Bridge
 - Levee
 - Williamson Park
 - Red Bridge over D&L
 - Morrisville Free Library
 - Patriots Park
 - Summerseat
 - Trenton-Morrisville Bridge
 - Municipal Building/Morrisville Police
 - Proposed Bridge over Canal at Bridge St
 - Lock 21 Brewing Company
 - Downtown
 - Dairy Queen
 - Robert Morris Plaza
 - Morrisville Dog Park
 - Morrisville Riverfront Preserve
 - Manor Park South
 - Bucks County District Court
 - Senior Center
 - Dacey's Pub
 - Youth Center
- Local loops to schools, restaurants, businesses and parks identified
- Identified missing sidewalk connections with park destinations
- Identified missing paths within Williamson, non-ADA links (stair connections to the Levee) and potential bicycle improvements (bike gutters)
- No bike lanes/sharrows within the Borough (thin roadways/heavy traffic)
- Identified past efforts to develop a train station in the Borough
- Wayfinding needed at bridges to guide walkers to amenities/routes
- Identified a need for bike repair stations (local bike shop recently closed)
- Identified disconnected roadways
- Identified potential trail opportunity for lot to be developed
- Prioritized crossings at heavy truck traffic areas along Pennsylvania Ave (Philadelphia Ave or Cleveland Ave)
- Identified PennDOT Bike Route E along Trenton Ave (high stress road)
- Alternative bike routes identified along lower stress roads
- Identified Walking Route for next meeting along the Levee and D&L

IV. Additional Items:

1. Next meeting will be a walking meeting.
2. 1st Public Meeting will be held in July. Potential locations include:
 - i. July Agenda Meeting (Tuesday, July 2nd)
 - ii. Public Open House at the Borough
 - iii. Community events with the YMCA, local Churches, Library, or Summerseat
3. Consider the National Night Out event on August 2nd for the 2nd Public Meeting.
 - i. G&A will coordinate with Danielle Larison to potentially secure a space.

The Meeting was adjourned around 6:45PM.

Note: next meeting will be a Walking Meeting scheduled for **Wednesday, June 26th at 5PM.** Committee members will meet at Williamson Park (parking adjacent Palmer St)



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

Morrisville Borough
SC Mtg # 2
Active Transportation Plan

Please Sign In
Steering Committee Meeting

Date: 6/19/19

Name & Organization

Contact Email

Liz Rosencrans

G&A

erosencrans@gilmore-assoc.com

KEVE WARE

MORRISVILLE BORO

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Scott Mitchell

Morrisville Borough

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Daniel Paschall

East Coast Greenway Alliance

daniel@greenway.org

Paul Gordon

Bucks County Planning Commission

plgordon@BUCKSCOUNTY.ORG

Scott Burton

PennDOT

scburton@pa.gov

Morrisville Borough Pedestrian Map

NEW JERSEY

Tide w/ docks
** No Bike lanes*
** Bike route issues*

** Add Bike @ Streets*

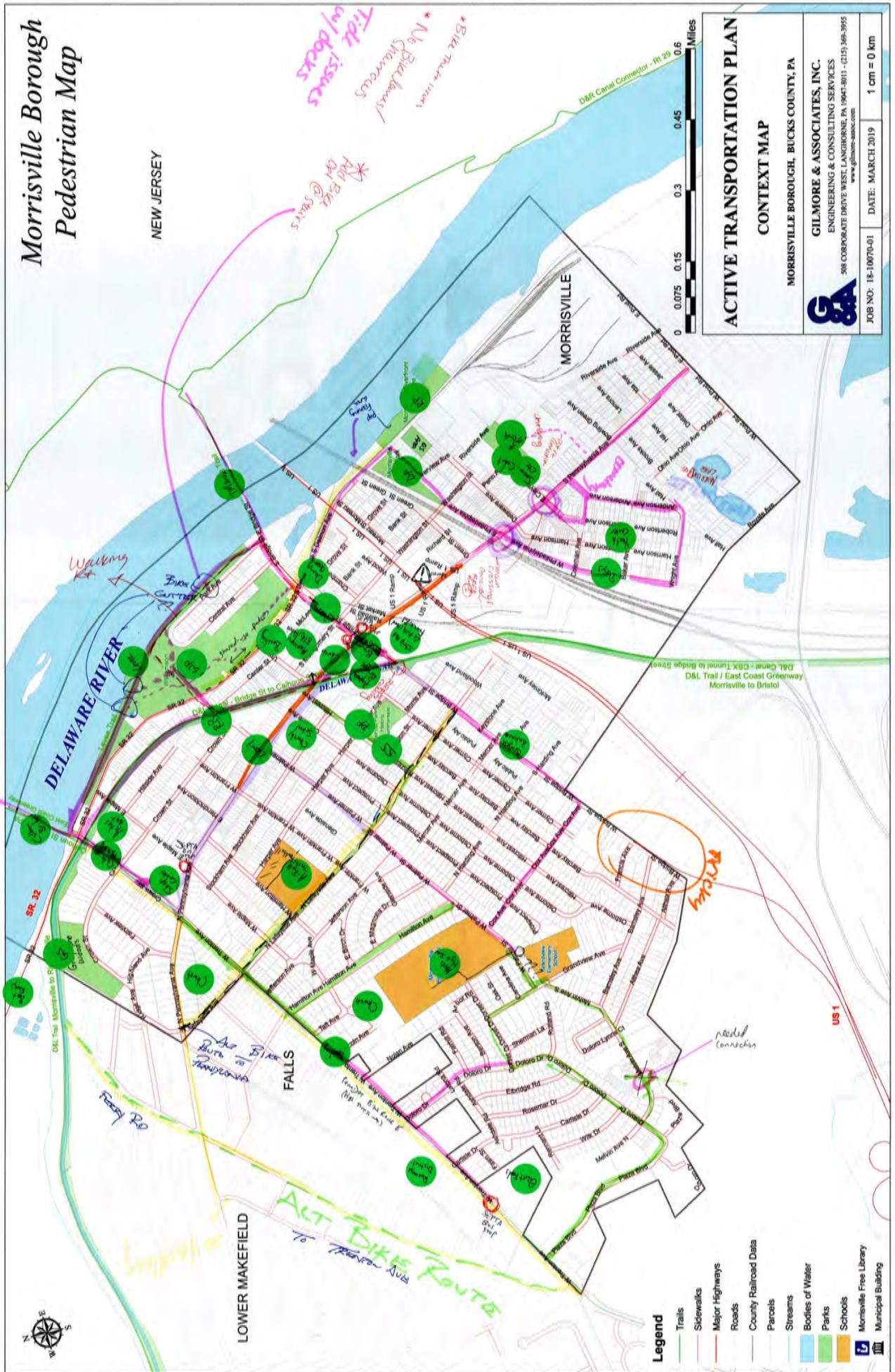


ACTIVE TRANSPORTATION PLAN
CONTEXT MAP

MORRISVILLE BOROUGH, BUCKS COUNTY, PA

GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES
388 CORPORATE DRIVE WEST, LANGHORNE, PA 19047-8011 - (315) 368-3955
www.gilmore-associates.com

JOB NO: 18-10070-01 DATE: MARCH 2019 1 cm = 0 km





MEMORANDUM

Date: June 27, 2019

To: Morrisville Borough ATP Steering Committee

From: Kent Baird, AICP, Community Planner
Elizabeth Rosencrans, Junior Planner

Reference: Morrisville–Active Transportation Plan (ATP)
Steering Committee Meeting #2—Minutes

Summary

The third Steering Committee (SC) Meeting for the Morrisville Borough Active Transportation Plan was a walking meeting that followed a route selected by the committee along the Levee Trail and the D&L Trail for 1.23 miles. The committee met at 5:00PM on Wednesday, June 26, 2019, at Williamson Park to examine the route. There were 7 individuals in attendance (*see attached sign in sheet*). The following is a summary of the meeting and steering committee comments.

Meeting Minutes

The walk was led by Gilmore and Associates, Inc.'s Liz Rosencrans

- I. Sign in Sheet and Map/Walkability Assessment sent around
- II. Walk and Route Assessment

The committee walked a proposed route along existing trails and sidewalks to examine existing conditions, ease of mobility, access for pedestrians and bicyclists, and safety, with the consideration of persons of differing abilities in mind. Multiple opportunities and constraints were identified and are listed on the attached Walkability Notes sheet. The findings are summarized below:

- No bike lanes or sharrows- bikes either using the roadway or the multiuse trails
- Consider bike lane/sharrow potential along Bridge St to enhance 'downtown' feel and bicycle access to the D&L
- Pedestrian crossings existing along Bridge Street-limited along Delmorr

- Some crossings in need of updates (faded paint, missing ramps/detection warning surfaces, missing signage)
- Existing sidewalks in OK condition
- Bridge St difficult for bicyclists
- D&L in need of maintenance/widening at certain sections
- Consider trailhead locations along the D&L/Williamson Park
- Potential rest areas along D&L ROW
- Lighting needed along Levee and potentially D&L
- Consider adding artwork along trails/murals under bridges
- Trail connections needed in Williamson-consider multi-use perimeter trail
- Wayfinding and informational signage-need more and existing needs updates
- Consider mile markers along D&L
- Consider shifting Williamson Park/D&L link from Palmer to Franklin- heavier foot traffic, avoids mid-block crossing, shifts pedestrian traffic away from parks main entrance, potential trailhead location.

III. Additional Items:

1. The next meeting will be the Public Meeting. G&A will be in touch with dates
2. Our last Steering Committee meeting will be held after the Public Meeting-TBD

The Meeting was adjourned around 6:45PM.



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES

Morrisville Borough
Active Transportation Plan
SC Mtg # 3
@5PM

Please Sign In
Steering Committee Meeting

Date: 6/26/19

Name	Affiliation	E-mail
DEBBIE Smith	Council President	debbie.smithmbr@outlook.com
Paul Gordon	Bucks Co Planning Comm	PGORDON@BUCKSCOUNTY.ORG
Scott Burton	Penn DOT	scburton@pa.gov
ELORA DAS	G&A	eddas@gilmore-assoc.com
STEVE WOFF	BORO	zarnoff@morrisvillepa.gov
Justin Bowers	Council / FMDP	
Liz Rosencrans	G&A	erosencrans@gilmore-assoc.com

Morrisville ATP- SC#3 SPM Compiled Notes

Goal: To investigate the opportunities and constraints of a "Better-Health Loop" in the Borough.



- 1. Narrow
- 2. No Crosswalk
- 3. No ramp
- 4. No DWS
- 5. No lighting
- led bridge needs imp. - access to bridge from N side needs signage & ADA imp.
- bridge to be replaced - artwork app?
- consider for trail head
- pot. ped bridge to link apt.

- * Add bike gutters where stairs meet trails
- * need safety imp. on levee
- * Explore direct link for bikers from Trenton to link to D&L along Bridge St.
- * canal - big for fishing
- * pot. Bridge St. re-config - need parking solution

Opportunities:

- Existing trails
- Existing connections to sidewalks
- Existing Crosswalks
- Some Lighting
- Some seating on levee
- Potential to add artwork along the trail

Constraints:

- Missing/ Hidden Signage
- Difficult Crossing Conditions
- Missing internal park trail connections
- No seating on D&L
- missing lighting on D&L/Levee
- ADA links to levee
- Maintenance / trail width variation on D&L
- Erasing D&L some supports

Feasibility

Sidewalks

existing / OK cond.

Multi-Use Trail (5-8ft)

existing levee / D&L (gravel)

- consider making Williamson Perimeter multiuse trail - link w/ levee trail.

Pedestrian Crossings

along Bridge St & @ main park entrance. → need imp.

Lighting

on streets
Need on levee! & maybe D&L

Bike Lane/Sharrow

None
consider for Bridge St → conflicts w/ parking availability

Signage

Some - need for D&L link
need for wayfinding to levee
- Add mi markers on D&L @ pot benches & rest areas



Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one):

Gov't/Non-Profit Business

Name & Title: [Redacted] Date & Time: 5/22/19 - 5:05 pm

Your Organization: East Coast Greenway Alliance Interviewer:

How many people do you represent? Staff of 13 - HQ in Durham, NC - I'm in Philadelphia

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities - trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? trails on Levee + D+L Trail)

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied

Comments: Making on-road connections to trails that are safe would be great: protected bike lanes multi-use paths

How do you use the pedestrian and bike facilities (check all that apply)?

- Walking
- Hiking
- Jogging
- Bicycling
- Nature Viewing
- Birding
- Commuting
- Traveling
- Fitness
- Other: Exploring

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? ECG + Circuit Trails connect into Morrisville

What do you feel about the condition of the network today?
Great but in need of safer on-street connections that are low-stress

Are there elements of the network you would like to change?
Widen some sidewalks to be multi-use paths, create safe crossings near

Are there elements of the network you would like to maintain or preserve?
The historic feel, greenery, + local business connections



Photo Source: Gilmore & Associates

What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

- Benches
- Bathrooms
- Bike Repair Stations
- Lighting
- Public Transportation Links
- Community Resource Links
- Neighborhood Links
- Park and Recreation Links
- Wayfinding Signage
- Educational Signs and Kiosks
- ADA access
- Water Access
- Other: map inside Treanor Transit Center that shows the trails + paths to Morrisville from Treanor; Circuit + ECG paths along Levee to be ADAHD wide enough for multi-use

What opportunities exist?

Connect all trails together w/ protected shared-use paths + protected bike lanes

What challenges are there?

too much parking, high speed traffic too many car lanes, not enough crossings for bikes/peds



Photo Source: Gilmore & Associates

Would you like more information on the health benefits of trails (check one)?

Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

- Bring PennDOT Bicycle Route E onto the D+L + ECG.
- Don't get rid of trees, take space from car travel lanes excess to give more bike/peds space (this is Bristol)
- Bulb outs at intersections to narrow travel lanes, decrease crossing distances
- Add green infrastructure



Photo Source: Public Web

Please contact Scott Mitchell or Kent Baird with any questions:

Scott Mitchell
Borough Manager
Morrisville Borough
35 Union Street, Morrisville, PA 19067

Kent Baird, AICP
Community Planner
Gilmore & Associates, Inc.
kbaird@gilmore-assoc.com / 215-345-4330



Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one):

Gov't/Non-Profit Business

Name & Title: [Redacted] Date & Time:

Your Organization: Council Interviewer:

How many people do you represent? MORRISVILLE RESIDENTS Approx. - 9,000

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities - trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? TRAILS, CANAL + LEVEE) + sidewalks

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied

Comments:

How do you use the pedestrian and bike facilities (check all that apply)?

- Walking
- Hiking
- Jogging
- Bicycling
- Nature Viewing
- Birding
- Commuting
- Traveling
- Fitness
- Other

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? Council + A RESIDENT

What do you feel about the condition of the network today?
Most people I don't think know we have a network

Are there elements of the network you would like to change?
Signage + how to market its availability

Are there elements of the network you would like to maintain or preserve?
would like to upgrade levee (lighting ect) levee canal walks and preserve the



Photo Source: Gilmore & Associates

What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

- Benches
- Bathrooms
- Bike Repair Stations
- Lighting
- Public Transportation Links
- Community Resource Links
- Neighborhood Links
- Park and Recreation Links
- Wayfinding Signage
- Educational Signs and Kiosks
- ADA access
- Water Access
- Other

What opportunities exist?

Historic Areas + our surrounding waterways

What challenges are there?

the finances to pull it together



Photo Source: Gilmore & Associates

Would you like more information on the health benefits of trails (check one)?

Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

I think Morrisville has great potential to be a walking, biking, travel to destination



Photo Source: Public Web

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Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one): Gov't/Non-Profit Business

Name & Title: _____ Date & Time: 5/8/19

Your Organization: Borough Council Interviewer: _____

How many people do you represent? 900+

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities – trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? Trails)

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied
 Comments: we should have more accessible trails

How do you use the pedestrian and bike facilities (check all that apply)?

<input checked="" type="checkbox"/> Walking	<input checked="" type="checkbox"/> Nature Viewing	<input checked="" type="checkbox"/> Fitness
<input type="checkbox"/> Hiking	<input checked="" type="checkbox"/> Birding	<input type="checkbox"/> Other _____
<input type="checkbox"/> Jogging	<input type="checkbox"/> Commuting	
<input type="checkbox"/> Bicycling	<input type="checkbox"/> Traveling	

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? safely use

What do you feel about the condition of the network today?
it's a good resource

Are there elements of the network you would like to change?
No

Are there elements of the network you would like to maintain or preserve?
wildlife and native plants



What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

<input type="checkbox"/> Benches	<input type="checkbox"/> Community Resource Links	<input type="checkbox"/> ADA access
<input type="checkbox"/> Bathrooms	<input type="checkbox"/> Neighborhood Links	<input type="checkbox"/> Water Access
<input type="checkbox"/> Bike Repair Stations	<input checked="" type="checkbox"/> Park and Recreation Links	<input type="checkbox"/> Other <u>trash receptacles</u>
<input type="checkbox"/> Lighting	<input checked="" type="checkbox"/> Wayfinding Signage	
<input type="checkbox"/> Public Transportation Links	<input type="checkbox"/> Educational Signs and Kiosks	

What opportunities exist?
Crosswalks
Pedestrian Crossing signs

What challenges are there?
Lack of access from one destination to another
no sidewalks in some areas, with poor roads.



Would you like more information on the health benefits of trails (check one)?

Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?



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Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one): Gov't/Non-Profit Business

Name & Title: _____ Date & Time: April 23, 3:30pm

Your Organization: School District of Borough of Morrisville Interviewer: _____

How many people do you represent? 1200

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities – trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? sidewalks)

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied
 Comments: lighting in some areas is poor in the evenings

How do you use the pedestrian and bike facilities (check all that apply)?

<input checked="" type="checkbox"/> Walking	<input type="checkbox"/> Nature Viewing	<input type="checkbox"/> Fitness
<input type="checkbox"/> Hiking	<input type="checkbox"/> Birding	<input type="checkbox"/> Other _____
<input type="checkbox"/> Jogging	<input type="checkbox"/> Commuting	
<input type="checkbox"/> Bicycling	<input type="checkbox"/> Traveling	

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? I have students that use the network to get to school

What do you feel about the condition of the network today?
it is unknown to me beyond the sidewalks

Are there elements of the network you would like to change?
clear bike paths, preferred walking routes

Are there elements of the network you would like to maintain or preserve?



What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

<input type="checkbox"/> Benches	<input checked="" type="checkbox"/> Community Resource Links	<input type="checkbox"/> ADA access
<input checked="" type="checkbox"/> Bathrooms	<input checked="" type="checkbox"/> Neighborhood Links	<input type="checkbox"/> Water Access
<input checked="" type="checkbox"/> Bike Repair Stations	<input checked="" type="checkbox"/> Park and Recreation Links	<input type="checkbox"/> Other _____
<input checked="" type="checkbox"/> Lighting	<input type="checkbox"/> Wayfinding Signage	
<input type="checkbox"/> Public Transportation Links	<input checked="" type="checkbox"/> Educational Signs and Kiosks	

What opportunities exist?
trails and open spaces, clean neighborhoods

What challenges are there?
certain parts of town have heavy traffic



Would you like more information on the health benefits of trails (check one)?

Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?



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Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one): Gov't/Non-Profit Business

Name & Title: [Redacted] Date & Time: 4/6/19

Your Organization: See "relationship" below. Interviewer: ?

How many people do you represent? 1/Many?

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities – trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? Sidewalks)

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied
 Comments: Many sidewalks are in various states of disrepair.

How do you use the pedestrian and bike facilities (check all that apply)?

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Walking | <input type="checkbox"/> Nature Viewing | <input type="checkbox"/> Fitness |
| <input type="checkbox"/> Hiking | <input type="checkbox"/> Birding | <input checked="" type="checkbox"/> Other: Photography/Drive |
| <input type="checkbox"/> Jogging | <input type="checkbox"/> Commuting | |
| <input type="checkbox"/> Bicycling | <input type="checkbox"/> Traveling | |

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? Resident (User/Council)? Resident at Morrisville Dog Park

What do you feel about the condition of the network today?

What network?!? No network really exists

Are there elements of the network you would like to change?

Yes. The canal, although great, also acts to cut off access to the waterfront by limiting crossing areas.

Are there elements of the network you would like to maintain or preserve?

Canal, Levee



What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

- | | | |
|---|--|--|
| <input checked="" type="checkbox"/> Benches - recal | <input checked="" type="checkbox"/> Community Resource Links | <input checked="" type="checkbox"/> ADA access |
| <input type="checkbox"/> Bathrooms | <input checked="" type="checkbox"/> Neighborhood Links | <input checked="" type="checkbox"/> Water Access |
| <input type="checkbox"/> Bike Repair Stations | <input checked="" type="checkbox"/> Park and Recreation Links | <input type="checkbox"/> Other _____ |
| <input checked="" type="checkbox"/> Lighting | <input checked="" type="checkbox"/> Wayfinding Signage | |
| <input checked="" type="checkbox"/> Public Transportation Links | <input checked="" type="checkbox"/> Educational Signs and Kiosks | |

What opportunities exist?

Signage, Promotion, Improvements to the Levee walk, clean up goose defecation on Canal path.



What challenges are there?

Money, Physical barriers, Limited land.

Would you like more information on the health benefits of trails (check one)?

- Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?



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Morrisville Borough Active Transportation Plan Stakeholder Interview

Do you take part in pedestrian or bicycle travel, whether it's getting to work, running to the store, or just getting out for the sake of being on a trail? If so, Morrisville Borough needs your help with the evaluation and improvement of our pedestrian and bicycle facilities. Let us know your multi-modal priorities and help us enhance our bike & trail network for the enjoyment of all!

Step 1: Tell us about yourself (circle one): Gov't/Non-Profit Business

Name & Title: [Redacted] Date & Time: 4/19/19

Your Organization: Delaware Valley Regional Planning Commission Interviewer: [Redacted]

How many people do you represent? [Redacted]

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?

Do you use Morrisville's Pedestrian/Bike facilities – trails, bike paths, sidewalks, etc. (check one)?
 Yes No (which do you frequent most? Delaware Canal Towpath)

How happy are you with the facilities (check one)? Very Satisfied Somewhat Satisfied Not Satisfied
 Comments: Off-street bike/ped facilities are generally good. I would appreciate more on-road bike lanes.

How do you use the pedestrian and bike facilities (check all that apply)?

- | | | |
|---|---|--------------------------------------|
| <input checked="" type="checkbox"/> Walking | <input type="checkbox"/> Nature Viewing | <input type="checkbox"/> Fitness |
| <input type="checkbox"/> Hiking | <input type="checkbox"/> Birding | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Jogging | <input type="checkbox"/> Commuting | |
| <input checked="" type="checkbox"/> Bicycling | <input type="checkbox"/> Traveling | |

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network

What is your relationship to the network? Occasional user, former LMT resident, now occasional visitor.

What do you feel about the condition of the network today?

I appreciate that the canal provides a good North/South axis, and access to downtown and Trenton

Are there elements of the network you would like to change?

More bike/ped friendly access to Calhoun St. Br.; Bike lanes on W. Trenton; Safer facilities near Rt.1

Are there elements of the network you would like to maintain or preserve?

Good integration between trails and local sidewalk network.; Access to Trenton.

What kind of amenities/destinations/connections do you feel the Borough needs (check all that apply)?

- | | | |
|---|---|--|
| <input type="checkbox"/> Benches | <input type="checkbox"/> Community Resource Links | <input checked="" type="checkbox"/> ADA access |
| <input type="checkbox"/> Bathrooms | <input type="checkbox"/> Neighborhood Links | <input type="checkbox"/> Water Access |
| <input type="checkbox"/> Bike Repair Stations | <input checked="" type="checkbox"/> Park and Recreation Links | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Lighting | <input checked="" type="checkbox"/> Wayfinding Signage | |
| <input checked="" type="checkbox"/> Public Transportation Links | <input type="checkbox"/> Educational Signs and Kiosks | |

What opportunities exist?

I think we have a chance to begin knitting the Borough's excellent trail network with a strong on-street bike network and walkable neighborhoods. Improved connections to both W. Trenton Ave. shopping centers and to Trenton seem very do-able.



What challenges are there?

Route 1 is a real barrier between the north and south parts of the borough.

Would you like more information on the health benefits of trails (check one)?

- Yes No

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

It may be worthwhile to coordinate with the City of Trenton on their bicycle and pedestrian planning efforts in the course of this project.



Please contact Scott Mitchell or Kent Baird with any questions:

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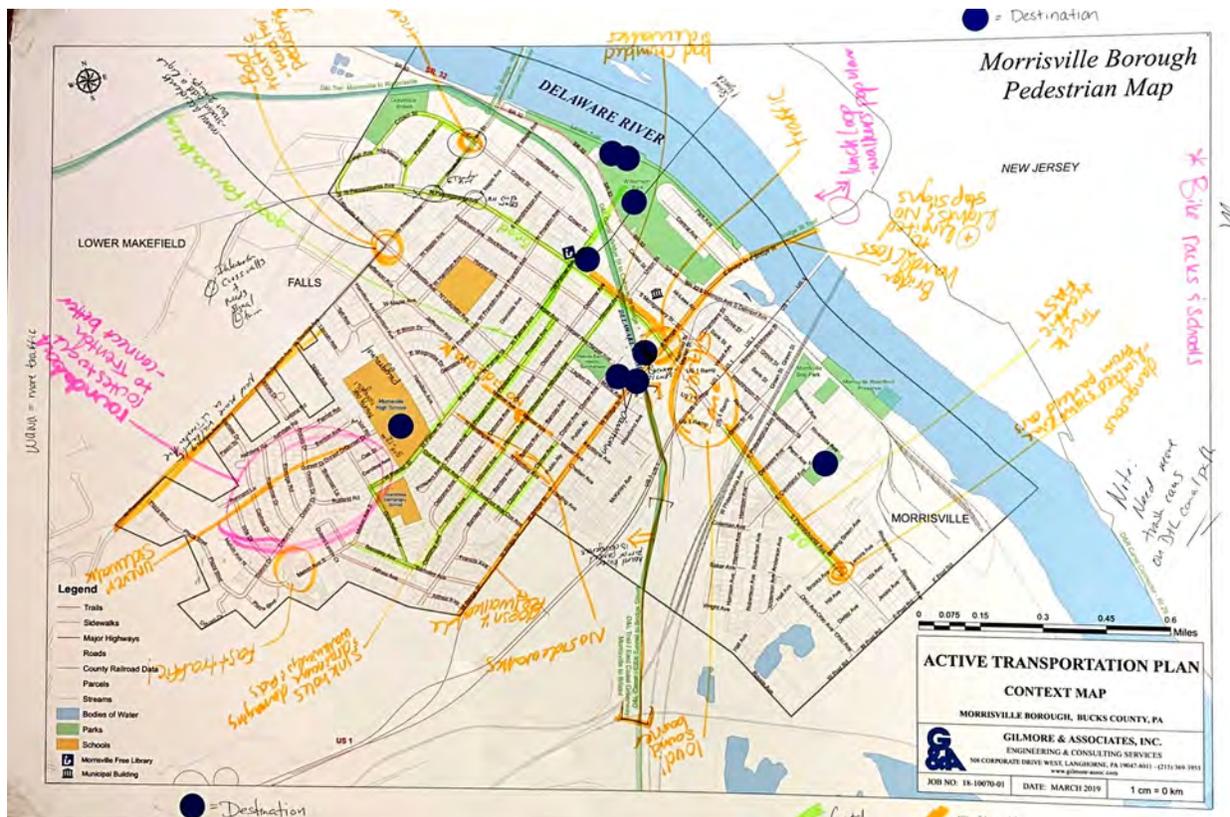
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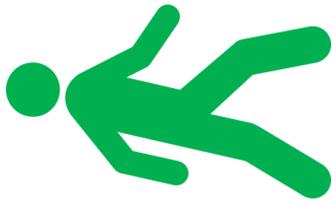


Public Meetings

There were two public meetings held for Morrisville Borough's Active Transportation Plan, including a public workshop on July 22, 2019, and an interactive set up at the Borough's Neon Night Out on August 6, 2019. During both occasions residents were able to share their thoughts and concerns regarding the current and potential pedestrian and bicycle facilities in and around Morrisville. Input was collected through surveys, interactive display boards and mapping exercises. The top findings included:

- Over 80% Some respondents agreed with the existing facilities
- 36% willing to travel 2 miles to get healthy with nearly half willing to go 1 or 4+ miles
- Top activities: Walking, Nature Viewing and Fitness
- Top Destinations: Parks & Trails, Shopping & Downtown and neighborhoods
- Top amenities along routes: Benches, Bathrooms, Signage and Recreational Links





Active Transportation Plan



**MORRISVILLE
BOROUGH PA**



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES





**MORRISVILLE
BOROUGH PA**

Active Transportation Plan

To improve the mobility, safety and health of all residents



Public Meeting

Morrisville Borough Hall

Monday, July 22 @ 7:30PM

Morrisville Borough is developing an [Active Transportation Plan](#) to improve the mobility, safety and health of residents as they walk, run, bike and roll through the Borough to local destinations and regional resources.

Please join us for our first Public Meeting, in a combined collaboration with the Planning Commission, to learn about the project. These active routes and safe connections are for you and your family, so please come and share your thoughts and ideas!



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES





MEMORANDUM

Date: July 30, 2019

To: Morrisville Borough ATP Steering Committee

From: Kent Baird, AICP, Community Planner

Reference: Morrisville–Active Transportation Plan (ATP)
Public Outreach Meeting #1

Summary

The first Public Outreach Meeting for the Morrisville Borough Active Transportation Plan was held 7:30PM on Monday, July 22, 2019. There were 16 individuals in attendance (see *attached sign in sheet*) (weather note—the borough received one of the most severe storms of the year this evening). The following is a summary of the meeting and comments.

Meeting Minutes

The meeting was led by Gilmore and Associates, Inc.'s Kent Baird

- I. Sign in Sheet Shared
- II. Introductions

This public meeting was promoted with an outreach flyer, publicly advertised, and held as an agenda item of the Borough Planning Commission. Don Diretto, Chairman of the Commission introduced Commission members and opened the meeting at 7:30PM. Don, Gary Amoss, and Steve Amend spoke passionately about the need for greater walkability in the Borough, and identified progress made over the years to introduce sidewalks, pedestrian crossings, signage and new parks. Amend hoped the plan could explore opportunities for a self-guided walking tour of historic sites in the borough.

Debbie Smith, President of Borough Council, and others in attendance echoed the support for past projects and success, and a willingness to continue to promote greater walkability and revisit past fundraisers, such as the Color Run, hosted by local Girl Scouts, the Market Day promoted by parks and recreation, and even new loops

and trails to encourage more walking and outdoor activity, such as a possible 'Dog Walking Trail' given the large number of dog owners walking in the town, and using the new dog park.

III. Presentation:

Mr. Baird shared a Power Point presentation with attendees to identify the purpose, goals and early progress of the plan. A special focus was placed on the intent and support of the WalkWorks Program, the grant source of the Borough's Active Transportation Plan, and the need for promoting more physical activity. Mr. Baird highlighted the community data that caught his eye the most: nearly all of Morrisville Borough's working residents (94%) commute out of the borough each day. Unlike other boroughs or communities with higher rates of public transit use, or multi-modal options, Morrisville suffers from high use of automobile and dramatically low rates of walk-to-work/bike-to-work activity. There is undoubtedly an automobile culture that may be difficult to change without strong promotion of new trails and outdoor recreation by the borough and local volunteers.

Mr. Baird also introduced both Paul Gordon, from the Bucks County Planning Commission, who spoke encouragingly about the pending county trail from Yardley Borough to the Neshaminy Creek Greenway, and Dan Paschal, Mid-Atlantic Coordinator of the East Coast Greenway, who spoke at length about the importance of connecting Morrisville to the county and the regional trail systems. Mr. Paschal encouraged Morrisville to promote the tourism strengths of being both a Delaware Canal/ D&L Trail town and East Coast Greenway trail town. When complete the ECG will carry bicyclists and trail users nearly 2,500 miles from Florida to Maine.

IV. Workshop Activities

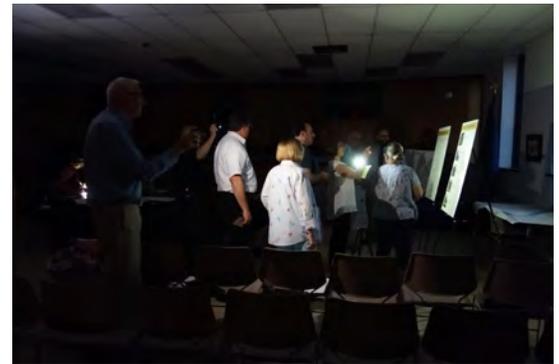
Attendees were shared the opportunity to contribute their thoughts to two working display boards, a borough map, and survey questionnaire. Questionnaires were received from nearly all attendees and the results of each activity will be included in the plan. Overall, attendees were excited by the opportunity to promote more mobility options in the borough and to connect to major destinations and regional trails.

The Meeting was adjourned around 10PM.

Public Input Results

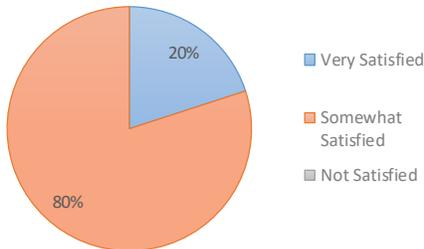
Top Findings:

- 80% Somewhat Satisfied with Existing Facilities
- Top Uses: Walking, Nature Viewing, Fitness
- Top Destinations: Parks & Trails, Downtown, Neighborhoods
- Top Needs: Benches, Wayfinding Signage, ADA Access

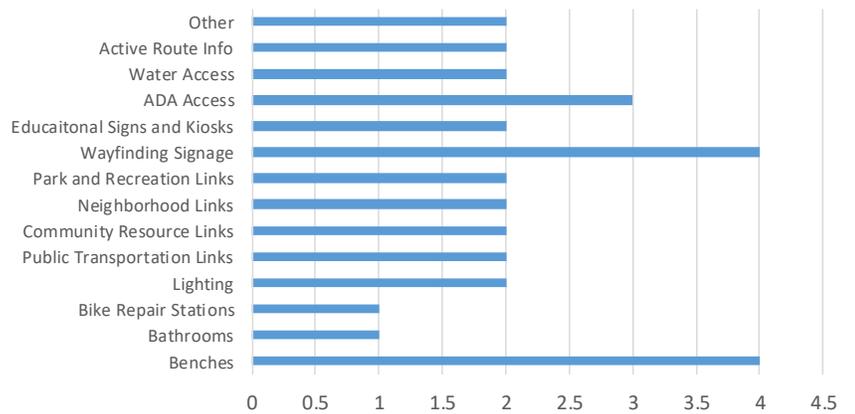


Surveys

Satisfaction With Existing Facilities

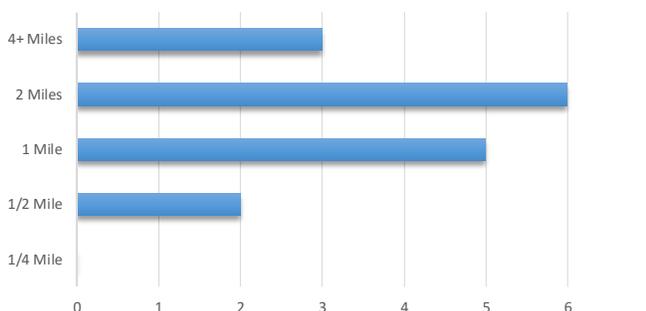


What amenities/destinations/connections are needed?

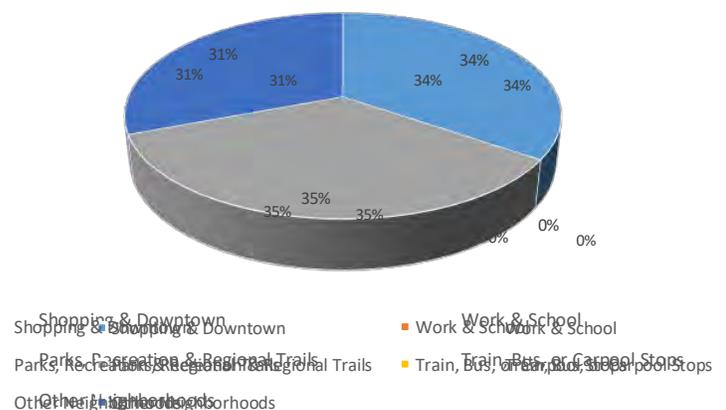


Display Boards

How Far Would YOU Go to Get Healthy?



Where Do You Really Want To Go?



Morrisville Borough
Active Transportation Plan
Public Mtg # 1



**Please Sign In
Public Meeting**
Date: 7/22/19

Name	Affiliation	E-mail
Raffaels Peresio		LC-ARCHITECT@MSN.COM
Scott Doolive	Capital Hill/PA	
Justin Bowers	Council / W.W. member	
Scott Mitchell	Borough Manager	
Paul Gordon	Bucks Co. Planning Comm.	
Bob Paul	Resident	crpaul3@gmail.com
Dave Noy	comm	Dmattmitty@gmail.com
Susan Bryce	resident	sbrycecelle@gmail.com
Eileen Dressbach	Council / Recre. Board	ESD68@gmail.com
Steve Amend	Planning Commission	amendsteveng@gmail.com
Daniel Paschall	East Coast Greenway Alliance	daniel@greenway.org
CREVE WARE	ZONING OFFICER	zort.biz@morrisvillepa.gov.com
Don D'Arco	MPC	DDIRETTO@MSN.COM
GARY AMOSS	MPC	Luckymanamos@aol.com
DEBBIE SMITH	Council President	debbiesm.thmb@ortleak.com
Kent Baird	Gilmore + Assoc.	Kbaird@gilmore-assoc.com

BUILDING ON A FOUNDATION OF EXCELLENCE

Yardley Area

Home / News / Yardley Area

http://www.buckslocalnews.com/news/yardley_area/national-night-out-morrisville-gathers-at-williamson-park-to-help/article_74a4d2ce-bd29-11e9-989d-6b2913bebac5.html

FEATURED

NATIONAL NIGHT OUT: Morrisville gathers at Williamson Park to help stomp out crime, support its first responders

By Jeff Werner; advance@buckslocalnews.com Aug 12, 2019

1 of 11



Organizers of the Morrisville Night Out

MORRISVILLE BOROUGH >> Hundreds in Morrisville joined communities across the nation on August 6 for National Night Out.

For three hours at Williamson Park, families and seniors made their way past information booths, enjoyed live entertainment and chowed down on a banquet of food as the community came together to stomp out crime.

"This is a great event for the kids and for the community," said second ward councilwoman Danielle Larison who chaired the event for the Morrisville Neighborhood Watch. "We have food trucks. We have the hamster balls. All the puppies and kitties are here. We have a flaming baton twirler this year and a game truck. And we have all of our vendors. It's just a nice, community night out."

The event also brought out the Pennsylvania State Police, the Bucks County Sheriff's Department, a stroke and neurologic unit, the Morrisville Business Association, the Morrisville Opportunity Educational Foundation, about 40 antique vehicles, church, athletic local nonprofits groups and local Girl Scouts who spent the evening making slime.

Also stepping out of the history books to join in the fun were Founding Father John Adams (Joe Doyle) and suspension bridge designer John Roebling (James Cordingley). They were there to promote the ActorsNet of Bucks County and its 24th season, highlighted by Oscar Wilde's "An Ideal Husband," Joe Doyle's "The Christmas Carol Conspiracy: Scrooge's Revenge," Shakespeare's "King Lear" and Agatha Christie's "Spider's Web."

Night Out committee members were also there selling raffle tickets for a chance to win a huge array of gift baskets. Proceeds from this year's Night Out raffle will benefit the Morrisville Fire Company.

At a nearby table, a donated giant orange cooler was catching a lot of second looks. The Night Out Committee had placed a skeleton inside the cooler to draw attention to the raffle prize and to show the public just how big it really is.

"It's always a good time to come out and support our emergency services. And people enjoy it," said Council President Debbie Smith. "You don't get better than people coming out and having a big party. We have a nice crowd and we're excited about it. And everyone is having a good time."

Adds Larison, "Tonight is all about stomping out crime and honoring our emergency services and thanking them for putting their lives on the line for the community. They are the ones who go out when that call comes in. Everyone else is running away when our first responders are

running to the scene. This event shows them that the Morrisville community cares.”

It’s also about neighbors supporting neighbors, adds Smith. “Morrisville is a small town community where our neighbors look out for our neighbors.”

The borough also used the Night Out opportunity to engaged the public on an active transportation plan being put together by the borough and funded through a WalksWork grant.

Throughout the evening, Night Out visitors shared their ideas on ways to enhance the town’s pedestrian and bicycle facilities and answered a survey of what they’d like to see enhanced.

According to Kent Baird, a community planner with Gilmore & Associates, the plan is aimed at improving the mobility, safety and health of residents as they walk, run, bike and roll through the borough to local destinations and regional resources.

“This is some of the best feedback we’ve had,” said Baird, noting that they’ve had residents as young as four and up to their 60s and 70s participate in the survey. “We’re now going to pour over this and look at the routes for getting to the schools safer, getting to the parks safer and getting to the downtown without the need of getting into your car and driving.

“We want people to get more active,” he continued. “We want to see them walking, biking and using their wheelchairs.

“People love the idea,” he said of the feedback they were receiving. “They want to be able to walk more. They want more lighting. They want more stop signs, better pedestrian crossings and bike racks. They have routes that they take around town with missing sidewalks. So we want to fill in those missing sidewalks.”

Of course, it will all cost money, said Baird. “This plan will help us get grants for the next round,” he said.

Representatives from 21 Locks were also at Night Out fielding questions about their brewery and full-service restaurant slated to open before the end of this year inside the former Lehigh Rubber Plant at West Bridge Street and the Delaware Canal.

The plant closed in December 2008 after 50 years in business. It was located across the street from the old Vulcanized Rubber Mill, which closed in 1980 and is now the site of the Mill Pond Shopping Center.

Brewers and Owners Decio Mendes and Kurt Holthenrichs handed out business cards and shared information about the progress of their business, which is expected to be a huge shot in the arm for the Bridge Street Business District when it opens its doors.

21 Locks will include 15,000 square feet of space, including a full production brewery, a full-service restaurant, a cafe and an outdoor Biergarten.

Night Out Morrisville is supported by the Morrisville Borough Neighborhood Watch, Morrisville-Yardley Area Rotary Club and Morrisville Fire Company 98.



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Tell us about yourself:

Just your zip code please 19067

How many people in your household 3

How happy are you with the pedestrian/bicycle facilities so far? (check one)

Very Satisfied Somewhat Satisfied Not Satisfied



What do you feel Morrisville Borough needs more of? (amenities/destinations/connections) check all that apply

- Benches
- Bathrooms
- Bike Repair Stations
- Lighting
- Public Transportation Links
- Community Resource Links
- Neighborhood Links
- Park and Recreation Units
- Wayfinding Signage
- Educational Signs and Kiosks
- ADA Access
- Water Access
- Active Route Info-maps, brochure
- Other

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

more parking and better parks



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Tell us about yourself:

Just your zip code please 19067

How many people in your household 8

How happy are you with the pedestrian/bicycle facilities so far? (check one)

Very Satisfied Somewhat Satisfied Not Satisfied



Thank You!



Help us enhance Morrisville's pedestrian and bicycle facilities for the enjoyment of everyone!

Scott Mitchell
Borough Manager
Morrisville Borough
35 Union Street, Morrisville, PA 19067
kbaid@gilmore-assoc.com / 715-344-4330



What do you feel Morrisville Borough needs more of? (amenities/destinations/connections) check all that apply

- Benches
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- Other

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need better curbside bike racks
crossing water
cubana bridge



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Just your zip code please 19067
 How many people in your household 4

How happy are you with the pedestrian/bicycle facilities so far? (check one)

Very Satisfied Somewhat Satisfied Not Satisfied



Thank You!



Please return forms to Scott Mitchell. Contact: Kent Baird with any questions:

Scott Mitchell
 Borough Manager
 Morrisville Borough
 35 Union Street, Morrisville, PA 19067

Kent Baird, AICP
 Community Planner
 Gilmore & Associates, Inc.
 lbaird@gilmore-assoc.com / 715-345-4330



What do you feel Morrisville Borough needs more of? (amenities/destinations/connections) check all that apply

- Benches
- Bathrooms
- Bike Repair Stations
- Lighting
- Public Transportation Links
- Community Resource Links
- Neighborhood Links
- Park and Recreation Links
- Wayfinding Signage
- Educational Signs and Kiosks
- ADA Access
- Water Access
- Active Route Info-maps, Brochure
- Other _____

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?



MORRISVILLE BOROUGH PA
 Active Transportation Plan

SURVEY



Help us enhance Morrisville's pedestrian and bicycle facilities for the enjoyment of everyone!



From: [REDACTED]
Sent: Thursday, August 08, 2019 7:05 PM
To: Kent Baird
Cc: [REDACTED]
Subject: Morrisville Borough Survey

I was at Morrisville NNO, at the table next to WalkWorks. I couldn't do a survey (I was working too) and was handed a survey.

The one I received is completed ... so here are the selections by some before me:

....3 people in household
....are you happy with the pedestrian-bicycle facilities? Answer not satisfied
....needs more of: Bike repair stations; lighting; park and recreation links
....other comments: make better use canal recreation

Now my answers:

.... zip 19067
.... 2 in household
.... Pedestrian-bicycle facilities - somewhat.. nice to see the sidewalks being repaired
.... needs more of: park and recreation links; water access; other-variety of sports fields other than baseball.
.... comments...
1. clean the riverfront area from route 1 bridge to the preserve. Clearing the weeds and allowing another area to enjoy the river.
2. Love that we are trying to get downtown area populated with businesses. How do we get a Starbucks in the Cacace building on Bridge St,?

Sincerely

[REDACTED]



Morrisville Borough Active Transportation Plan Survey

The town takes pride in providing a safe and healthy environment for its residents. We are currently working on a comprehensive plan for the town of Morrisville, PA. We are currently working on a comprehensive plan for the town of Morrisville, PA. We are currently working on a comprehensive plan for the town of Morrisville, PA.

Step 1: Tell us about yourself (circle one):
Just your zip code please: 19067
How many people in your household or business, including you? 2
Business
 Household

Step 2: How do you feel about Morrisville Borough's Pedestrian and Bike Facilities?
Do you use Morrisville's Pedestrian/Bike facilities - trails, bike paths, sidewalks, etc. (check one)?
Yes No
How happy are you with the facilities (check one)?
Very Satisfied Somewhat Satisfied Not Satisfied
Comments: Very safe, sidewalks, etc.

How do you use the pedestrian and bike facilities (check all that apply)?
 Walking Nature Viewing Fitness
 Hiking Biking Other
 Jogging Commuting Traveling
 Recycling

Step 3: Help us elevate Morrisville's Pedestrian and Bicycle Network
What kind of amenities/directions/connections do you feel the Borough needs (check all that apply)?
 Benches Community Resource Links ADA Access
 Bathrooms Neighborhood Links Water Access
 Bike Repair Stations Park and Recreation Links Active Route Info-maps, brochures
 Lighting Wayfinding Signage Other
 Public Transportation Links Educational Sign and Icons
Would you like more information on the health benefits of trails (check one)? Yes No
Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?
None



Please contact Scott Mitchell or Kent Baird with any questions:
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Borough Manager
Morrisville Borough
35 Union Street, Morrisville, PA 19067 | Email: smitchell@morrisville-aztec.com / 215-345-4330



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 Lighting Wayfinding Signage Other
 Public Transportation Links Educational Sign and Icons
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None



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 Bike Repair Stations Park and Recreation Links Active Route Info-maps, brochures
 Lighting Wayfinding Signage Other
 Public Transportation Links Educational Sign and Icons
Would you like more information on the health benefits of trails (check one)? Yes No
Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?
None



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Just your zip code please: 19067
How many people in your household or business, including you? 1
Business
 Household

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Do you use Morrisville's Pedestrian/Bike facilities - trails, bike paths, sidewalks, etc. (check one)?
Yes No
How happy are you with the facilities (check one)?
Very Satisfied Somewhat Satisfied Not Satisfied
Comments: We need maps and markers

How do you use the pedestrian and bike facilities (check all that apply)?
 Walking Nature Viewing Fitness
 Hiking Biking Other
 Jogging Commuting Traveling
 Recycling

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 Bike Repair Stations Park and Recreation Links Active Route Info-maps, brochures
 Lighting Wayfinding Signage Other
 Public Transportation Links Educational Sign and Icons
Would you like more information on the health benefits of trails (check one)? Yes No
Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?
Yes, we need maps and markers



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Thank You!

MORRISVILLE BOROUGH PA
Active Transportation Plan

SURVEY



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Tell us about yourself:

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 How many people in your household: 2

How happy are you with the pedestrian/bicycle facilities so far? (check one)

Very Satisfied Somewhat Satisfied Not Satisfied



What do you feel Morrisville Borough needs more of? (amenities/destinations/connections) Check all that apply

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- Wayfinding Signage
- Educational Signs and Kiosks
- ADA Access
- Water Access
- Active Route Info-maps, brochure
- Other

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

RESTROOMS WITH DIAPER CHANGING TABLES IN WILLIAMSON PARK



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Tell us about yourself:

Just your zip code please: 19067
 How many people in your household: 0/1/5

How happy are you with the pedestrian/bicycle facilities so far? (check one)

Very Satisfied Somewhat Satisfied Not Satisfied



What do you feel Morrisville Borough needs more of? (amenities/destinations/connections) Check all that apply

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- Bathrooms
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- Lighting
- Community Resource Links
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- Wayfinding Signage
- Educational Signs and Kiosks
- ADA Access
- Water Access
- Active Route Info-maps, brochure
- Other

Do you have any other comments, ideas, or thoughts regarding Morrisville's Pedestrian & Bicycle Facilities?

BIKE RACKS AT PENNY LANE AREA
CLASSICAL LIGHTING AT PIER'S COLLEGE
REPAIR STATIONS AT PIER'S COLLEGE
CHANGING TABLES AT PIER'S COLLEGE
TRAIL MARKING AT PENNY LANE AREA
TRAIL MARKING AT PENNY LANE AREA
TRAIL MARKING AT PENNY LANE AREA



* Until signage/markings will be a town park

Funding Opportunities

Funding in the form of grants and loans are provided through local, state and national organizations year round. Below is a list of potential funding sources that should be pursued for the planning, design and construction of the recommendations made in the Active Transportation Plan for Morrisville Borough's pedestrian and bicycle facilities.

Automated Red Light Enforcement Program (ARLE)

The *Pennsylvania Department of Transportation* provides funds through ARLE revenues to improve highway safety and reduce congestion through a wide range of projects that aim to reduce the number of violations and crashes at implementation sites, as well as provide benefits to highway users. Funded projects upgrade, improve, or install traffic-control signs and other forms of roadway markings and structures to increase road capacity and/or further pedestrian safety and mobility, and projects that work to enhance visibility or drainage, etc.

- Request Amount: Dependent upon available yearly revenues
- Match: None required

• **Better Utilizing Investments to Leverage Development (BUILD)**

The *Pennsylvania Department of Transportation* administers funds from National Infrastructure Investments to support capital projects for surface transportation infrastructure that improve, repair, and develop transportation frameworks, economic revitalization, community connections and safety. FY2018 BUILD will administer a greater share of the awards to rural areas.

- Request Amount: Not to exceed \$25 Million; Minimum \$1 Million in rural area
- Match: Minimum 20% in Urban; Minimum 0% in Rural

• **Green Light Go**

The *Pennsylvania Department of Transportation* administers state funds through competitive grants to improve safety and mobility through congestion reduction and improving the efficiency of existing traffic signals on state and local highways. Funded projects study, develop, and implement or remove traffic assets, technologies, and plans.

- Request Amount: N/A
- Match: 20%

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

The *Pennsylvania Department of Transportation* administers funding assistance for alternative transportation programs and projects that improve accessibility and mobility, public transportation and school links, recreation and environmental mitigation.

- Request Amount: \$50,000 minimum construction cost; Not to exceed \$1 Million unless regional or of statewide significance
- Match: None required

- **Multimodal Transportation Funds Program**

The *Pennsylvania Department of Transportation* and the *Department of Community & Economic Development* provides grants for projects that support safe and reliable transportation systems and encourage economic development. Supported projects develop or rehabilitate transportation assets for communities including but not limited to lighting, sidewalks, pedestrian safety, and streetscapes, as well as improving connectivity and/or utilization of existing assets.

- Request Amount: \$100,000 - \$3,000,000
- Match: 30% Cash

- **Greenways, Trails, and Recreation Program (GTRP)**

The *Pennsylvania Department of Community & Economic Development* administers funds from the Marcellus Legacy Fund for the planning, acquisition, development, rehabilitation, and repair of greenways, recreational trails, open space, park and beautification projects.

- Request Amount: Not to exceed \$250,000
- Match: 15% Cash/Equivalent
- \$100 application fee

- **Municipal Assistance Program (MAP)**

The *Department of Community & Economic Development* provides funds for local governments to the planning and implementation of multiple services including shared service activities, community planning, and floodplain management.

- Request Amount: Dependent upon available funds
- Match: 50%; 25% of which must be non-state funded

- **Community Conservation Partnership Program (C2P2) Trails**

The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants for the planning, acquisition, construction, enhancement, and maintenance of multi-use trails and trail-related facilities. This can include, but is not limited to, interpretive signs, trail amenities, access roads and parking areas, and equipment required to build and maintain trails.

- Request Amount: Reasonable requests
- Match: 50%

- **Community Conservation Partnership Program (C2P2) Community Recreation and Conservation Planning**

The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants to prepare for future planning, acquisition, development, and management of parks, recreation facilities, critical habitat, open space, natural areas, greenways, and river/watershed passageways.

- Request Amount: Reasonable requests
- Match: 50%

- **Community Conservation Partnership Program (C2P2) Land Acquisition and Conservation**
 The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants for the purchase and/or donation of land for the purpose of recreation and park areas, critical habitat areas, greenways, and open space.

 - Request Amount: Reasonable requests
 - Match: 50%

- **Community Conservation Partnership Program (C2P2) Park Rehabilitation and Development**
 The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants for the rehabilitation and development of public parks, both indoor and outdoor recreation facilities, small communities, greenways, and river conservation and restoration projects.

 - Request Amount: Reasonable requests
 - Match: 50%

- **Community Conservation Partnership Program (C2P2) Peer Circuit Rider Program**
 The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants for expanding the local capacity for parks, recreation, and conservation through the partnership of municipalities, counties, and government councils and the hiring of a shared professional who is jointly funded by the formal partnership, commission, or authority.

 - Request Amount: Reasonable requests
 - Match: 10%

- **Community Conservation Partnership Program (C2P2) State and Regional Partnerships Funds**
 The *Pennsylvania Department of Conservation & Natural Resources* presently offers matching grants for the formation of collaborative initiatives that improve the capacity to develop and manage park and recreation facilities and advance conservation of resources through education, training, and implementation.

 - Request Amount: Reasonable requests
 - Match: Varies

- **PECO Green Region Open Space Program**
 Administered by *Natural Lands*, this program provides grants for municipalities in SE PA to preserve, protect, and improve open spaces. Eligible projects include: the acquisition of conservation easements or land for open space; habitat or capital improvements for passive recreation; and developing or updating open space plans.

 - Request Amount: Not to exceed \$10,000; can fund up to 50% of eligible activities
 - Match: Minimum 50% Cash

- **Redevelopment Assistance Capital Program (RACP)**

The *Pennsylvania Office of the Budget* administers funds from the Commonwealth for regional economic development, civic, cultural, recreational, and historical improvements through acquisition and construction projects.

- Request Amount: \$100,000 minimum total project cost
- Match: 50% non-stat

- **Regional Trails Program**

The *Delaware Valley Regional Planning Commission* (DVRPC) provides grants from the William Penn Foundation to plan, design, and construct multi-use trails which assist in completing the Greater Philadelphia's trail network, the Circuit. Projects that contribute to connecting trails across the region and provide access to waterways are also supported, and can range from initial feasibility studies to the construction of trails.

- Request Amount: N/A (Phase V funding ranged from \$25,000-\$325,636)
- Match: N/A

- **Rivers, Trails, and Conservation Assistance Program**

The *National Park Services* provides funding assistance to support resource conservation and recreation projects throughout the United States of America. The program links national conservation and recreation planning professionals with applicants to design, conserve and improve natural and recreational opportunities and connect the public to these resources.

- **Transportation and Community Development Initiative (TCDI)**

The *Delaware Valley Regional Planning Commission* offers grants for projects which analyze, plan, or design regional transportation systems that work to improve transportation efficiency, environmental protection, and quality of life for municipal residents and visitors. These grants promote projects that focus on public transit and alternative modes of transportation (bicycle and pedestrian) and growth management that aim to foster beneficial residential and commercial growth, while preserving lands and improving centers.

- Request Amount: \$25,000 – soft cap of \$100,000; \$175,000 for multi-municipal
- Match: 20%; 5% of which must be in-kind

- **Doppelt Family Trail Development Fund**

Rails to Trails Conservancy administers funds from the Doppelt Family Trail Development Fund to support the implementation and improvement of multi-use trails. Originally established in 2015 from an initial grant donation from the Doppelt Family, RTC awards around \$85,000 to 4-6 trail projects via a competitive grant round

- Request Amount: \$5,000 - \$50,000
- Match: N/A

Related Plan Reviews

Morrisville Borough Comprehensive Plan 2008

This handbook presents a vision for the growth and development of Morrisville Borough for the next ten years. It provides an overview of the current conditions, assets and future challenges to the borough. This plan focuses on housing, land use, natural, historic and cultural resources, community services and facilities, parks, recreation and open spaces, and transportation.

Morrisville Borough Open Space Plan Update 2009

This plan was developed to satisfy the Municipal Open Space Program guidelines and address all of the concerns. The plan provides officials and the general public with direction and initiative on open space protection and preservation. The main goals and objectives are regarding public health and safety related issues as well as the quality of life.

Morrisville Borough Downtown: A Blueprint for the Future

The purpose of this document is to provide Morrisville Borough and its residents with a “blueprint” for achieving revitalization success in downtown Morrisville. The blueprint presents some of the why’s and what’s of Morrisville’s current conditions before describing future possibilities and a proposed structure for future revitalization efforts, including available resources.

Morrisville Walkway Development Plan 1985

This document is a plan for the creation of a series of pedestrian walkways through the central areas of Morrisville Borough. The walkways are designed to utilize portions of current and historic transportation corridors which have traversed the Borough since the days of its founding. It also includes the utilization of portions of the Delaware Riverfront, the towpath of the Delaware Canal, portions of former railroad rights-of-way, and elements from the Boroughs thoroughfare and park systems.

Delaware River Heritage Area Concept Plan 1997

This plan develops a vision for the growth and development of the Delaware River Heritage Trail as a non-motorized multi-use recreational route along both sides of the river. The main goals and objectives of this plan are to link communities, inspire interest in the river’s history and culture, promote health, boost local economies and support tourism, and build civic pride and community awareness.

Bucks County Comprehensive Plan 2011

The Bucks County Comprehensive Plan is a guide for local officials, residents, developers, business owners, and interested agencies. The plan seeks to set forth a common vision of the future of Bucks County and to coordinate, educate, and guide development and preservation in appropriate areas of the county. Through multiple goals and recommendations, the plan will guide counties and municipalities

to achieve the 8 Plan Principles: Protect Natural, Historic, and Scenic Resources, Preserve and Expand Parks, Open Space, and Agricultural Resources, Promote Energy Conservation and Efficiency, Protect Water Resources and Reduce Waste, Mitigate Hazards to Life and Property, Provide Adequate Community Facilities and Services, Enhance Transportation Mobility, and Promote Economic Opportunity, Housing Diversity, and Efficient Use of Land.

Bucks County Open Space and Greenways Plan 2011

The purpose of this Bucks County Open Space and Greenways Plan is to provide a decision making, implementation and management tool designed to protect and create linkages between the County's vast natural resources, open space and farmland, recreational facilities, and historic and cultural resources. The plan focuses on Environmental, Social, Recreational, Transportation, Economic, and Educational aspects.

Bucks County Waterfront Revitalization Plan 2005

This plan provides a vision for the entire Lower Bucks County Delaware Waterfront. It provides a framework for the enhancement of the riverfront and adjacent lands and outlines steps to reach the vision. Through multiple goals and recommendations, the plan will guide counties and municipalities to achieve the 3 Plan Principles: Access and Transportation, Land Use, and Natural and Historic Resources and Recreation.

Bucks County Bicycle Master Plan 2012

The purpose of the Bucks County Bicycle Master Plan is to provide a vision for a county-wide bicycle network with regional and local connections. It will provide a resource for local municipalities, to assist with the planning and implementation of bicycle facilities across the County. The plan involves municipalities and other public and private sector partners in the County wide bike system in accordance with the role each wishes to play. This will create an environment in which pedestrians and bicyclists within Bucks County have the ability to conveniently and safely ride for transportation, recreation, and fitness purposes.

Green Spaces Great Places 2018

The purpose of the Green Spaces Great Places plan is to provide background on the Bucks County Open Space Program 1997 – 2017. It includes details of the program's roots, how it worked, its successes and its challenges. The plan also discusses what is next and what commitments they have for the future.

DVRPC Connections 2045

The regional long-range plan develops a vision for the growth and development of the Greater Philadelphia and Delaware Valley region for the next three decades, with a focus on transportation, land use, environment, economy, equity, and quality of life. Through multiple goals and recommendations, the plan will guide counties and municipalities to achieve the 5 Plan Principles: Sustain the Environment; Develop Livable Communities; Expand the Economy; Advance Equity and Foster Diversity; and Create an Integrated, Multimodal Transportation Network.

DVRPC Pedestrian Bicycle Friendly Policies, Practices, and Ordinances

Prepared by DVRPC, this regional handbook presents information on practices, policies, and ordinances that support enhancements for pedestrian and bicycle safety and accessibility, to make improvements at the local level. The report specifically highlights planning for pedestrians and bicycles, educating and encouraging drivers and residents, and the typical codes and ordinances that deal directly with pedestrians and cyclists.

DVRPC Aging in Place-Municipal Implementation Tool #12 (2007)

This municipal implementation tool provides techniques to help municipalities accommodate the changing personal and physical needs of aging residents so they can remain in the community and maintain their independence. Techniques range from planning for affordable housing and promoting policies to enhance quality of life, to improving infrastructure to improve mobility and access to transit.

DVRPC Age Friendly Communities-Municipal Implementation Tool #30 (2017)

Developed to support the fulfillment of the region's long-range plan, this municipal implementation tool provides techniques to help municipalities develop age-friendly communities, where older residents can age actively and independently. This tool specifically focuses on improving the eight domains identified by WHO and AARP, including: The Public Realm, Transportation, Housing, Social Participation, Respect and Social Inclusion, Civic Participation and Employment, Communication and Information, and Community Support and Health Services.

Township of Lower Makefield Comprehensive Master Plan Update 2019

This plan was put into place to prepare for the future of Lower Makefield Township and for the residents. The main focuses of the plan include past, current and future populations, natural environment, possible development for the community and basic

Downtown Trenton Bicycle and Pedestrian Plan 2016

This plan was created to organize recommendations in regards to bicycle and pedestrian use in the downtown Trenton area, while making sure the safety and mobility of the residents. The plan doesn't only focus on downtown aspects as it focuses on regional infrastructure as well. Completing the roads and trails along with the safety of the pedestrians is the main concern when completing the plan.

Community Health Needs Assessments

Jefferson Health-Northeast Community Health Needs Assessment 2018

Jefferson Health – Northeast is a Pennsylvania nonprofit organization with campuses in Philadelphia and Bucks County, Pennsylvania, that considers its community benefit service area to include proximate portions of Philadelphia and Bucks counties where almost 1,044,000 people live. This Community Health Needs Assessment (CHNA) utilizes information collected from the Public Health Management Corporation's household health survey, numerous secondary data and literature sources, and internal experts and external representatives of health care and community-based organizations who have knowledge of the health and social conditions of these communities.

Rothman Orthopedic Specialty Hospital Community Health Needs Assessment 2018

Rothman Orthopedic Specialty Hospital (ROSH) is a Pennsylvania for profit organization located in Bucks County, Pennsylvania that considers its community benefit service area to include proximate portions of Bucks, Montgomery and Philadelphia counties where more than 1.2 million people live. This Community Health Needs Assessment (CHNA) utilizes information collected from the Public Health Management Corporation's household health survey, numerous secondary data and literature sources, and internal experts and external representatives of health care and community-based organizations who have knowledge of the health and social conditions of these communities.

St. Mary Medical Center & St. Mary Rehabilitation Hospital Community Health Needs Assessment 2016

St. Mary contracted with Public Health Management Corporation (PHMC) to assist with the Community Health Needs Assessment. This report summarizes the results of an assessment of the health status and unmet health care needs of residents of the St. Mary Medical Center and St. Mary Rehabilitation Hospital service area. Data sources included the Household Health Survey, which examined health status, health behaviors and utilization of and access to health care. This was supplemented by data from the U.S. Census of Population and Housing, Claritas, Inc., Population Facts, and PA Department of Health Vitals Statistics. In addition, focus groups were conducted to gather input from healthcare providers, community partners (including individuals with expertise in public health, and special populations) and English and Spanish speaking clients from local clinics serving the poor to further identify unmet needs.

**MORRISVILLE BOROUGH
BUCKS COUNTY, PENNSYLVANIA**

RESOLUTION NO. 1036

RESOLUTION TO IMPLEMENT HEALTH IN ALL POLICIES

WHEREAS, the health and well-being of the residents of Morrisville Borough are critical for a prosperous and sustainable community;

WHEREAS, the WalkWorks program maintains a goal to increase the health of residents through the expansion of opportunities for physical activity, especially walking and bicycling, and has awarded funds to Morrisville Borough for the preparation of an Active Transportation Plan, which will plan for increased opportunities and access to facilities for physical activity to ultimately improve the health of Borough residents;

WHEREAS, there is a growing awareness that health is influenced by the interaction of many factors and not simply by genetics, individual behavior, or access to medical care, and it is now widely accepted that conditions in the environments in which people are born, live, learn, work, play, and age, known as the social determinants of health, have the greatest influence on health outcomes across populations;

WHEREAS, the social determinants of health affect chronic disease rates, mental illness, as well as injuries caused by accidents and violence, and influence the adoption of healthy lifestyles by making it more or less difficult for individuals to choose behaviors that either promote or diminish health;

WHEREAS, policies implemented outside of the traditional health sector significantly affect the social determinants of health, including policies related to food access, housing, transportation, public safety, education, sustainability, climate change, parks, air and water quality, criminal justice, and economic development;

WHEREAS, interagency collaboration can lead to improved decision-making and outcomes and greater efficiencies in service delivery;

WHEREAS, addressing the social determinants of health can lead to reduced health care costs;

WHEREAS, Borough codes, policies and guidelines should promote physical and mental health for people of all ages, abilities and incomes; and

WHEREAS, by adopting a "Health in All Policies" approach, the Borough recognizes that all governmental entities and stakeholders have a role to play in attaining the highest level of health for all people concurrently with the progression of overarching Borough goals for economic development, transportation, sustainability, etc.;

THEREFORE, BE IT RESOLVED, that it shall be the policy of the Borough Council of Morrisville Borough to apply a Health in All Policies approach to the Borough's decision-making by considering the inclusion of "health" in all future policy development and implementation, budgeting, and delivery of services;

ADOPTED and RESOLVED this 19th day of August, 2019 in Council Chambers

COUNCIL OF THE BOROUGH OF
MORRISVILLE

By: Debbie Smith

Debbie Smith, Council President

I certify that the foregoing is a true and correct copy of Resolution No. 1036, enacted by the Council of the Borough of Morrisville, County of Bucks, on the 19th day of August, 2019.

By: Scott Mitchell

Scott Mitchell, Borough Secretary