Appendix A – Stakeholder and Public Involvement Meeting Materials

Trail Committee

- Meeting #1 on May 21, 2015
  - *Presentation*
  - *Minutes*
- Meeting #2 on August 24, 2015
  - *Presentation*
  - *Minutes*
  - *Technical Notes*
- Meeting #3 on October 13, 2015 (Joint meeting with Board of Supervisors)
  - *Presentation*
  - *Handout*
  - *Draft Minutes*

Property-Business Owners

- Meeting on June 9, 2015
  - *Presentation*
  - *Minutes*
  - *Technical Notes*

Technical Coordination

- Meeting on September 1, 2015
  - *Handout*
  - *Minutes*
- Patriots Path Task Force Meeting on September 15, 2015
  - *Presentation*

Public Input

- Meeting #1 on June 16, 2015
  - *Boards*
  - *Presentation*
  - *Minutes*
  - *Technical Notes*
- Meeting #2 on September 15, 2015
  - *Presentation*
  - *Minutes*
  - *Technical Notes*

PAOLI PIKE TRAIL

FEASIBILITY STUDY AND MASTER PLAN

Trail Committee Meeting #1

May 21, 2015
7pm

AGENDA

- **Introductions**
- **Project Overview**
  - Background
  - Scope of Work
  - Schedule
  - Role of the Trail Committee
- **Design Guidelines**
  - Examples of other multi-use trails
- **Existing Conditions and Alternatives Evaluation**
- **Next Steps**

Consultant Team

Team led by

McMAHON TRANSPORTATION ENGINEERS & PLANNERS

840 Springdale Drive
Exton, PA 19341

- Trail planning and concept design
- Implementation plan and funding strategy
- Stakeholder and public involvement

In association with

GLACKIN THOMAS PANZAK
LAND PLANNING
LANDSCAPE ARCHITECTURE

41 Leopard Road, Suite 300
Paoli, PA 19301

- Recreation planning and landscape architecture
- Stakeholder and public involvement, including renderings

2013

Central Chester County Bicycle and Pedestrian Plan

- *Identified a multi-use trail along Paoli Pike in East Goshen Township as Priority Project H*

2014

Greenways, Trails, and Recreation Program (GTRP) Award

- *East Goshen Township awarded $52,500 grant from the Commonwealth Financing Authority for the Paoli Pike Trail - Feasibility Study and Master Plan*

BACKGROUND

2015 Comprehensive Plan Update

- *Expand recreational facilities*
- *Enhance linkages to the Park*
- *Expand pedestrian circulation (along Paoli Pike)*
- *Promote walkability (in Town Center)*
- *Paoli Pike greenway*

2015 Parks, Recreation, and Open Space Plan Update

- *Trails, Trails, Trails – Identified as a high priority*
- *Includes a Paoli Pike Multipurpose Path Assessment Report*
- *Key action Item: Develop a master plan and construction documents for the Paoli Pike Multi-Use Trail.*

BACKGROUND

Draft Project Purpose & Goals

Project Purpose: Provide a safe, convenient, and continuous connection for people of all abilities to walk and bike between key destinations along Paoli Pike in East Goshen Township.

Project Goals: Support a connected, healthy, vibrant, and sustainable community.

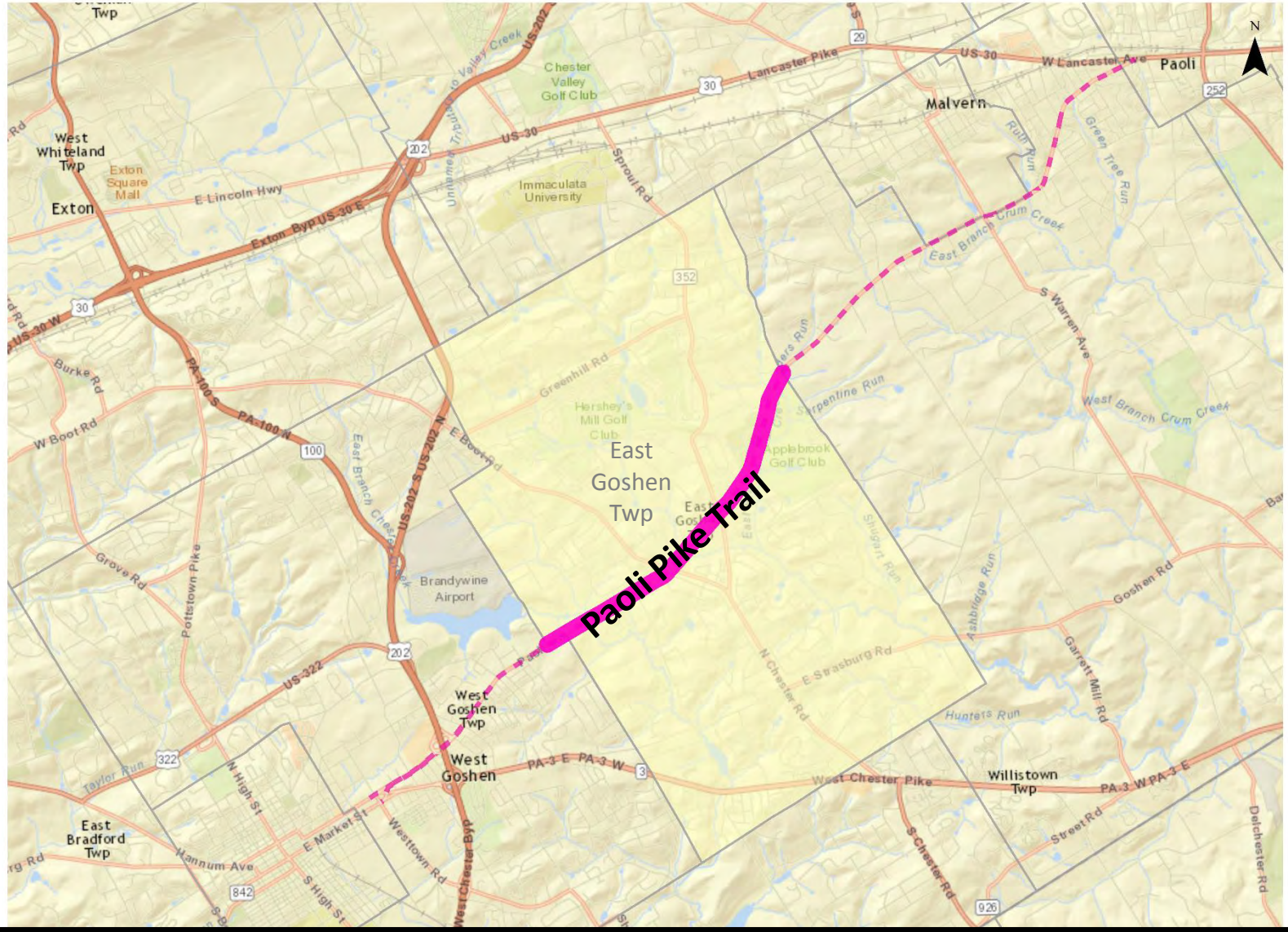
Connected

Healthy

Vibrant

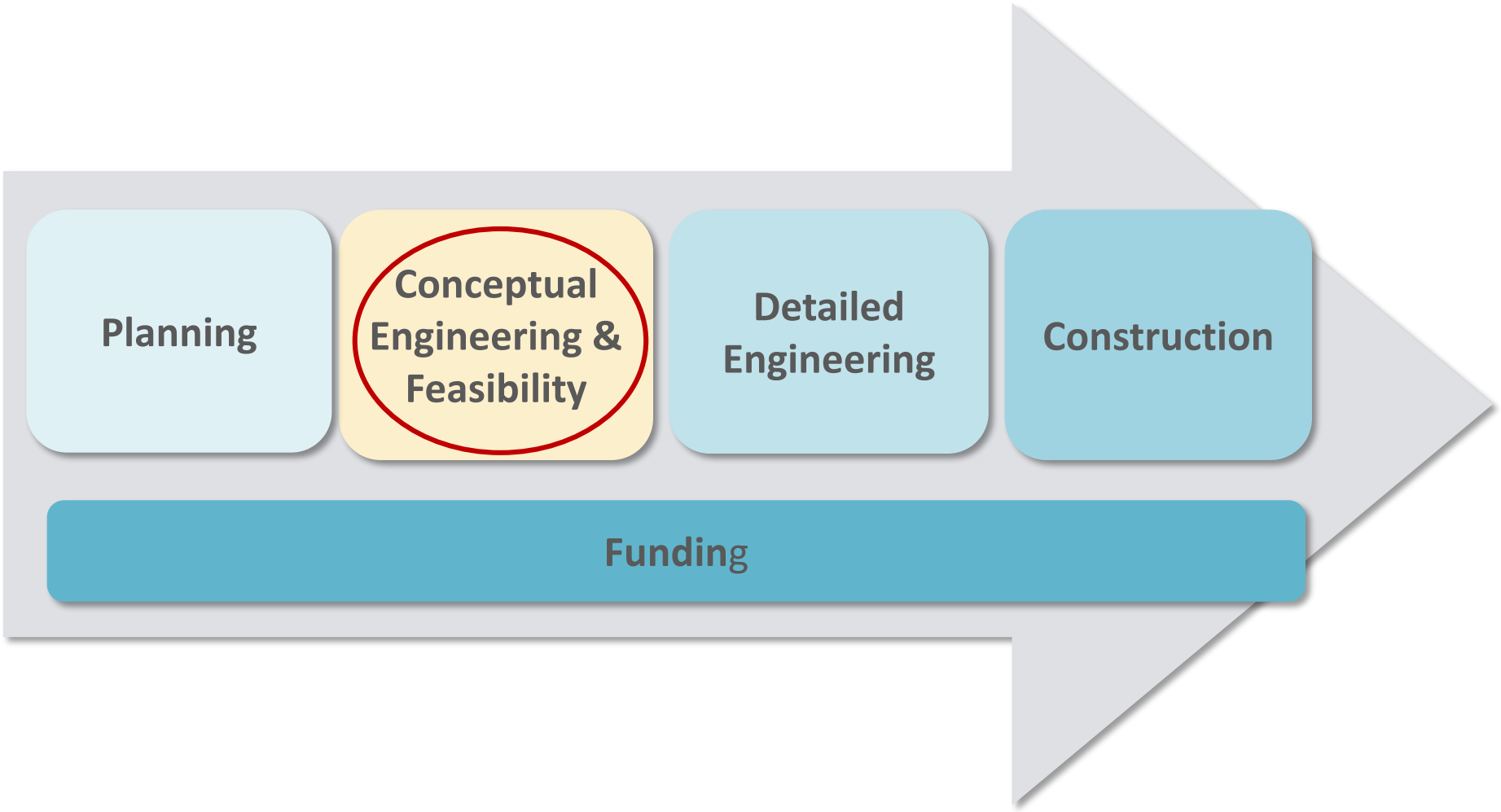
Sustainable

Community



STUDY AREA

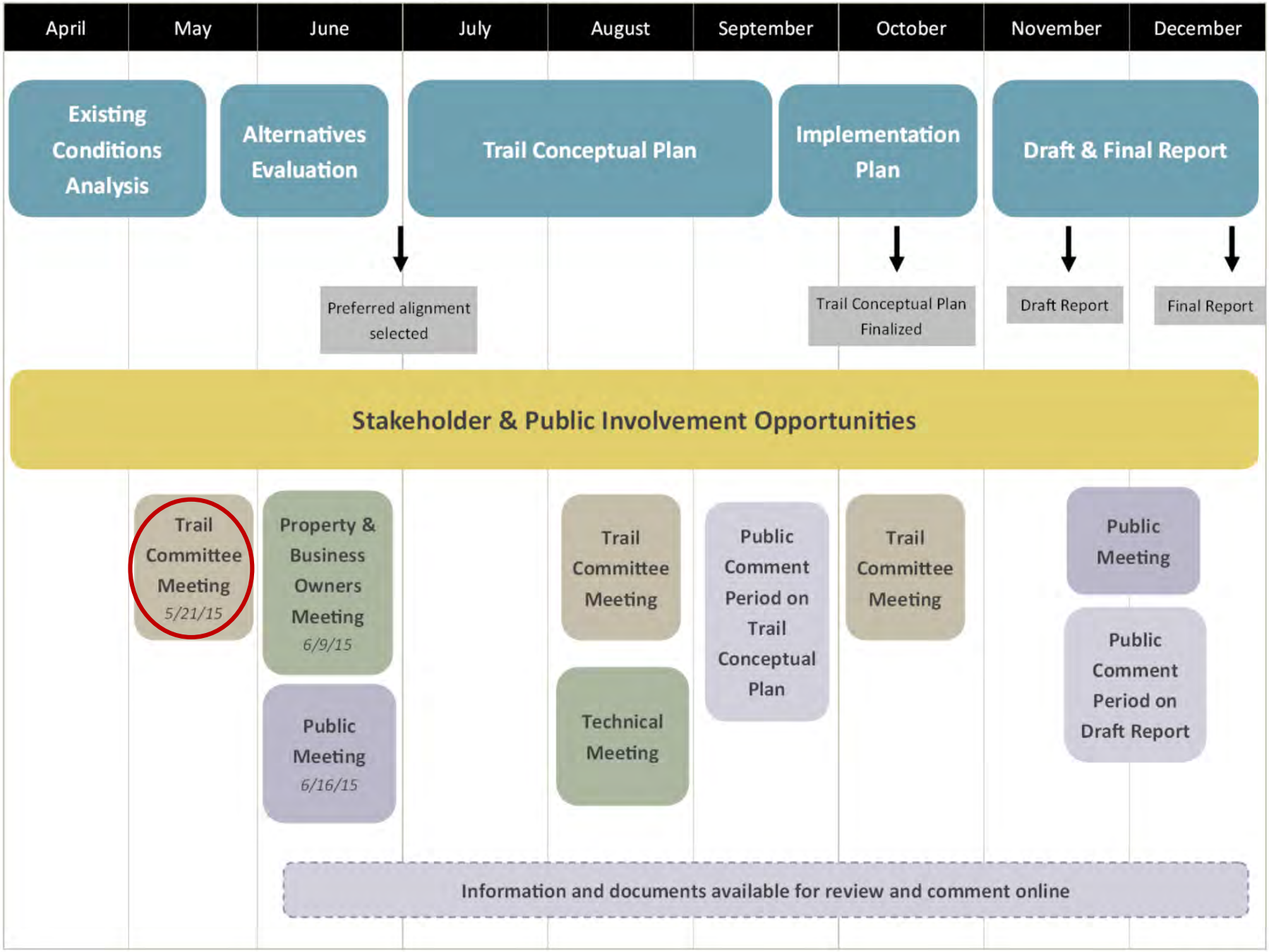
PAOLI PIKE BETWEEN AIRPORT ROAD AND LINE ROAD



Project Scope

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



Role of the Study Advisory Committee

- **Provide input to the consultant team**
  - 3 Trail Committee meetings scheduled
  - Coordination between meetings will be conducted via email
- **Assist with additional stakeholder and public involvement activities**
- **Review and provide comments on draft deliverables**
- **Provide updates on the project to other Township committees, groups, and organizations**

What is a Multi-Use Trail?

- Off-road facility
- Accommodates multiple types of users, such as both bicyclists and pedestrians
- Often asphalt or crushed stone surface material
- ADA Compliant

Buffer Area	Trail Width
5’ – 6’ *4’ permissible with a barrier*	10’ – 12’ *8’ permissible in certain situations*

Photo credits: McMahon Associates, Inc., Chester County Planning Commission

EXISTING MULTI-USE TRAILS IN EAST GOSHEN

Struble Trail

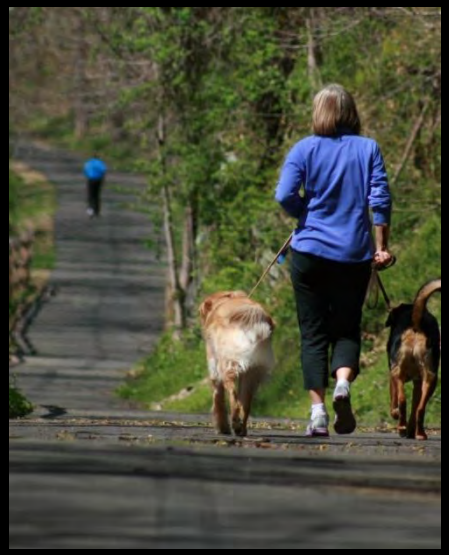
Schuylkill River Trail

Chester Valley Trail

Photo credits: Chester County Planning Commission

Other Multi-Use Trails in Chester County

Park Road Trail
Upper Uwchlan Township

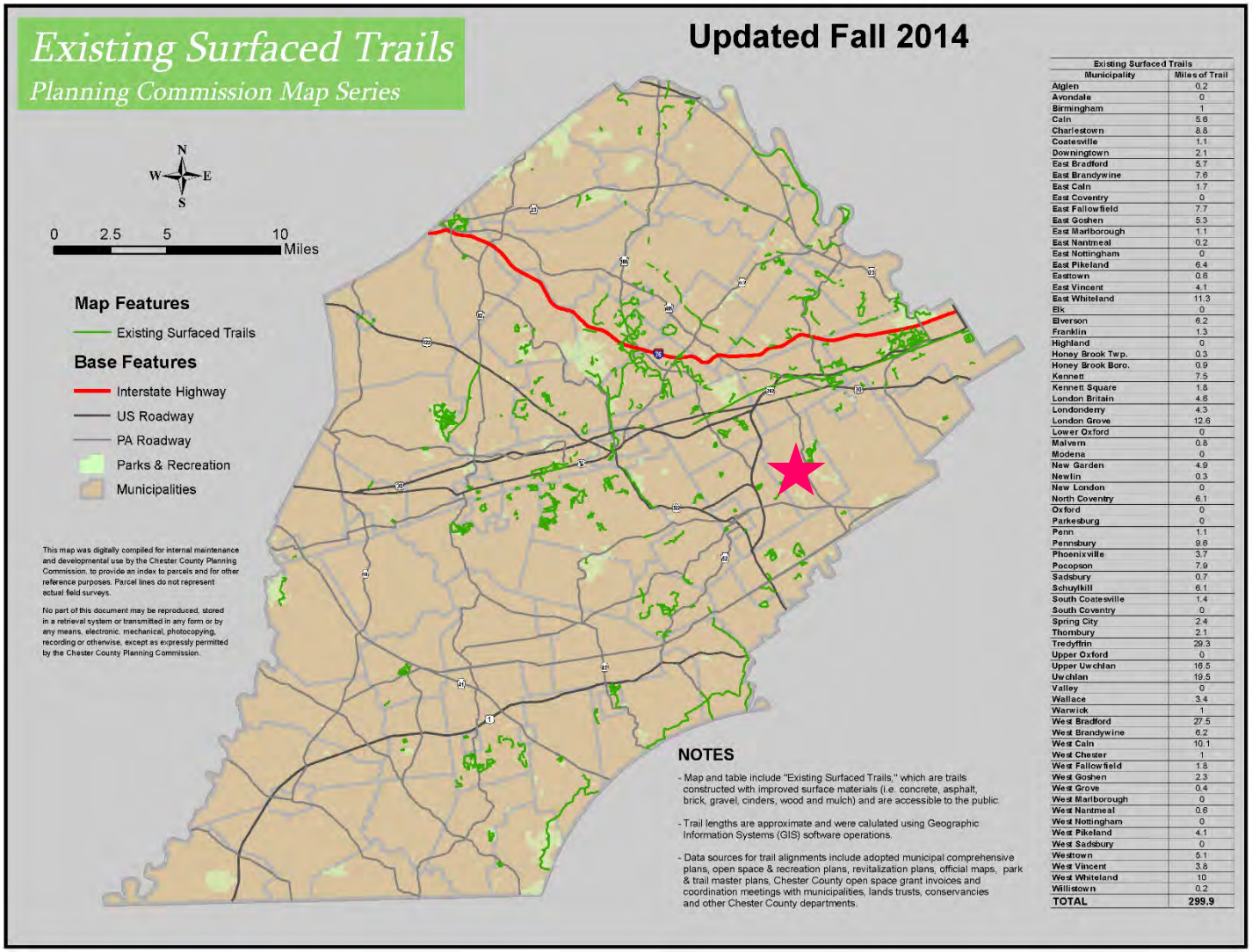


East Branch Brandywine Trail
East and West Bradford Townships

Uwchlan Trail
Uwchlan Township

Photo credits: Chester County Planning Commission, Upper Uwchlan Township

Other Multi-Use Trails in Chester County



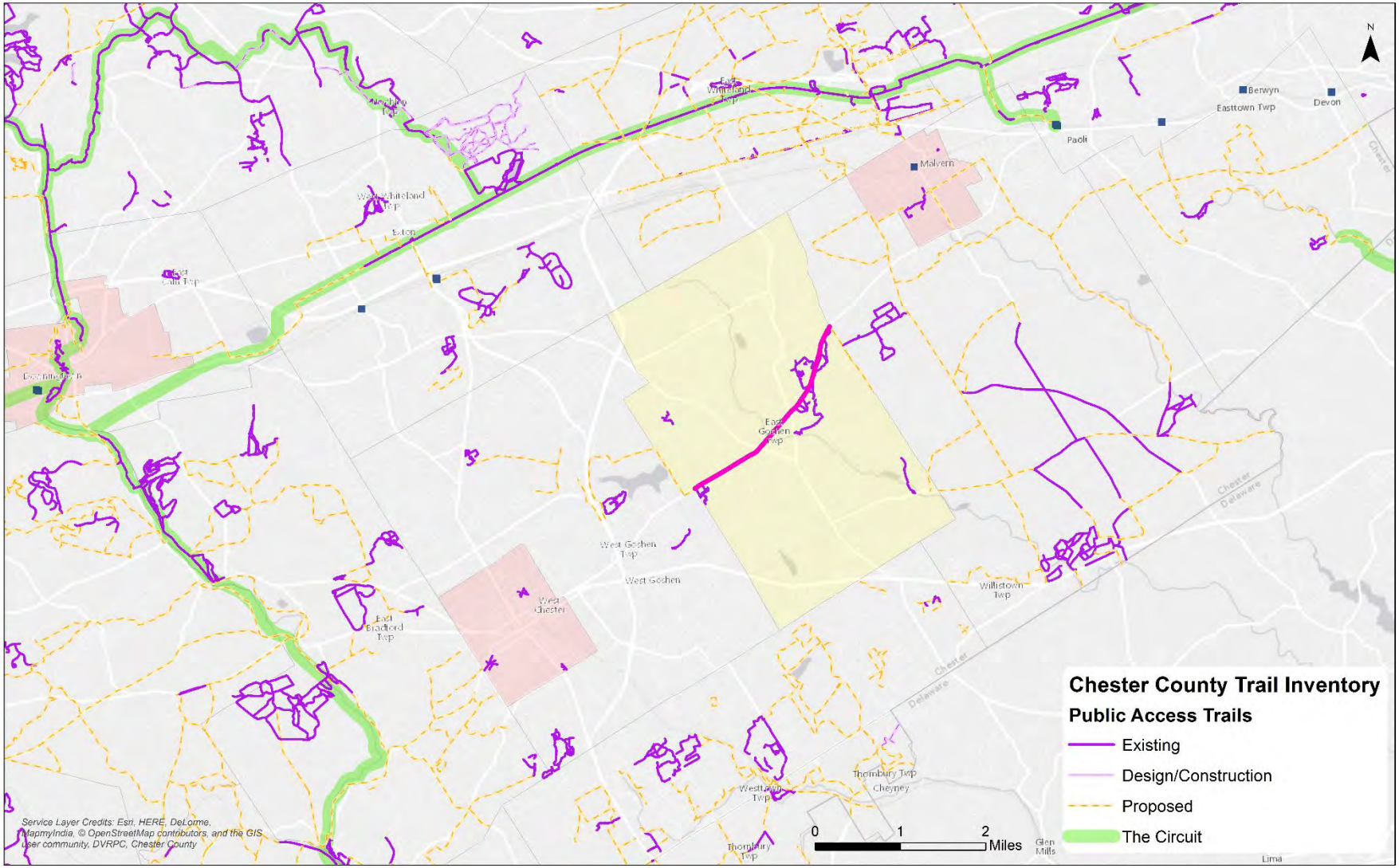
Existing Surfaced Trails

Municipality	Miles of Trail
Atglen	0.2
Avondale	0
Birmingham	1
Caln	5.6
Charlestown	8.8
Coatesville	1.1
Downingtown	2.1
East Bradford	5.7
East Brandywine	7.6
East Caln	1.7
East Coventry	0
East Fallowfield	7.7
East Goshen	5.3
East Marlborough	1.1
East Nantmeal	0.2
East Nottingham	0
East Pikeland	6.4
Eastown	0.6
East Vincent	4.1
East Whiteland	11.3
Elk	0
Elverson	6.2
Franklin	1.3
Highland	0
Honey Brook Twp.	0.3
Honey Brook Boro.	0.9
Kennett	7.5
Kennett Square	1.8
London Britain	4.6
Londonderry	4.3
London Grove	12.6
Lower Oxford	0
Malvern	0.8
Modena	0
New Garden	4.9
Newlin	0.3
New London	0
North Coventry	6.1
Oxford	0
Parkesburg	0
Penn	1.1
Pennsbury	9.6
Phoenixville	3.7
Pocopson	7.9
Sadsbury	0.7
Schuylkill	6.1
South Coatesville	1.4
South Coventry	0
Spring City	2.4
Thornbury	2.1
Tredyffrin	29.3
Upper Oxford	0
Upper Uwchlan	16.5
Uwchlan	19.5
Valley	0
Wallace	3.4
Warwick	1
West Bradford	27.5
West Brandywine	6.2
West Caln	10.1
West Chester	1
West Fallowfield	1.8
West Goshen	2.3
West Grove	0.4
West Marlborough	0
West Nantmeal	0.6
West Nottingham	0
West Pikeland	4.1
West Sadsbury	0
Westtown	5.1
West Vincent	3.8
West Whiteland	10
Willistown	0.2
TOTAL	299.9

TRAILS IN CHESTER COUNTY

the Circuit
Greater Philadelphia's Regional Trail Network
Existing Trails
Trails in Progress
Planned Trails
To Easton, the Poconos & Wilkes-Barre
To Bethlehem
To New Brunswick, Newark, and NYC
To Reading, Pottsville & Appalachian Tr.
To Harrisburg
To Wilmington, Baltimore, and Washington, DC
To Bridgeton
BUCKS
MONTGOMERY
MERCER
CHESTER
DELAWARE
PHILA
BURLINGTON
CAMDEN
GLOUCESTER
dvrpc
May 2012

The Circuit



Future Trail Connections

MATRIX OF DESIGN VALUES – COMMUNITY ARTERIAL

	Community Arterial	Rural	Suburban Neighborhood	Suburban Corridor	Suburban Center	Town/Village Neighborhood	Town/Village Center	Urban Core
Roadway	Lane Width [1]	11' to 12'	10' to 12'	11' to 12'	10' to 12'	10' to 12'	10' to 12'	10' to 12'
	Shoulder Width [2, 3]	8' to 10'	4' to 8' (if No Parking or Bike Lane)	8' to 10'	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)
	Parking Lane [16]	NA	7' to 8' Parallel	NA	8' Parallel	7' to 8' Parallel	7' to 8' Parallel	7' to 8' Parallel
	Bike Lane [4]	NA	5' to 6' (if No Shoulder)	5' to 6' (if No Shoulder)	5' to 6'	5' to 6'	5' to 6'	5' to 6'
	Median (if needed)	4' to 6'	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians
	Curb Return [5]	25' to 50'	25' to 35'	25' to 50'	20' to 40'	15' to 30'	15' to 35'	15' to 40'
	Travel Lanes	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4
	Cross Slopes (Minimum) [6, 7]	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Cross Slopes (Maximum) [8]	8.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
Roadside [12]	Clear Sidewalk Width	NA	5'	5' to 6'	6'	6' to 8'	6' to 10'	8' to 14'
	Buffer [13]	NA	6'+	5' to 10'	4' to 6'	4' to 6'	4' to 6'	4' to 6'
	Shy Distance	NA	NA	NA	0' to 2'	0' to 2'	2'	2'
	Total Sidewalk Width	NA	5'	5' to 6'	10' to 14'	10' to 16'	12' to 18'	14' to 22'
	Clear Zone Widths [14]	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12

ROADWAY DESIGN GUIDELINES

Reduced Lane Widths

- Reduce the width of travel lanes and possible provide additional space for other users.

Gateway Treatments

- Special entrance treatments, including landscaping and signage, that provide identity to a community and emphasize a change in environment.

Raised Medians or Pedestrian Refuges

- Raised island between travel lanes that can be designed with landscaping or provide a mid-point refuge for pedestrian crossings.

Textured or Raised Crosswalks

- Pedestrian areas that are elevated or treated with textured pavement at mid-block locations or intersections to alert motorists and improve visibility of pedestrians.

Curb Extensions

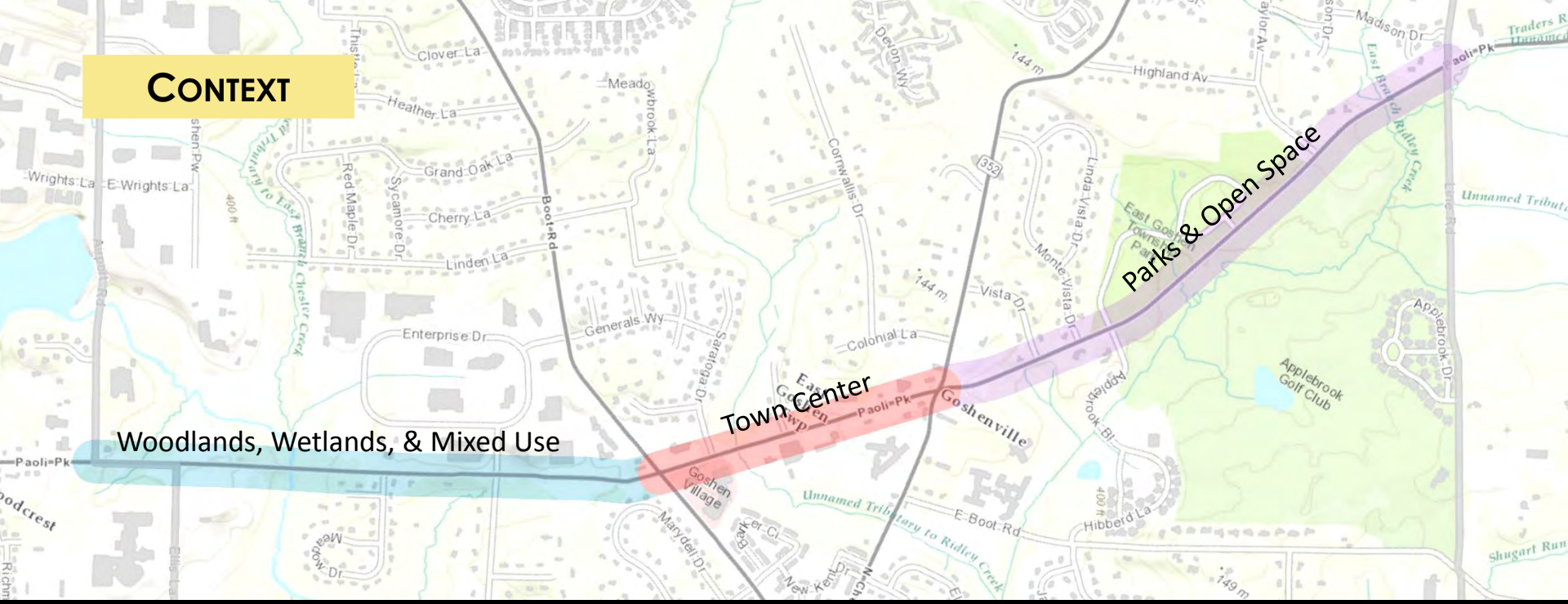
- Extensions of the curb and sidewalk used to narrow travel lanes or reduce the pedestrian crossing distance

Traffic Calming Toolbox

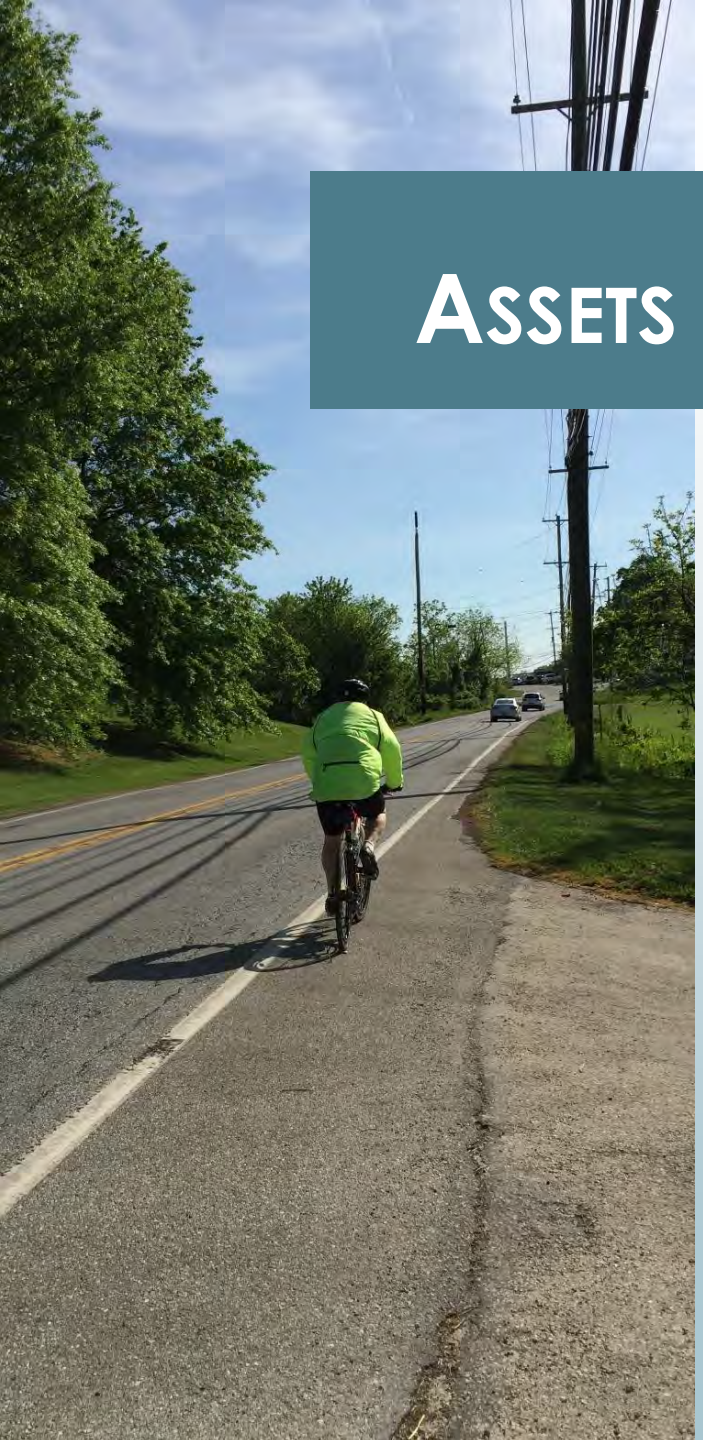
- Relevant plans and studies
- Land development plans
- Sewer plans
- Traffic signal permits
- Intersection improvement plans
- GIS data
- Traffic volume data
- PennDOT right-of-way plans
- Utilities
- Field inventory

Existing Conditions Analysis

CONTEXT

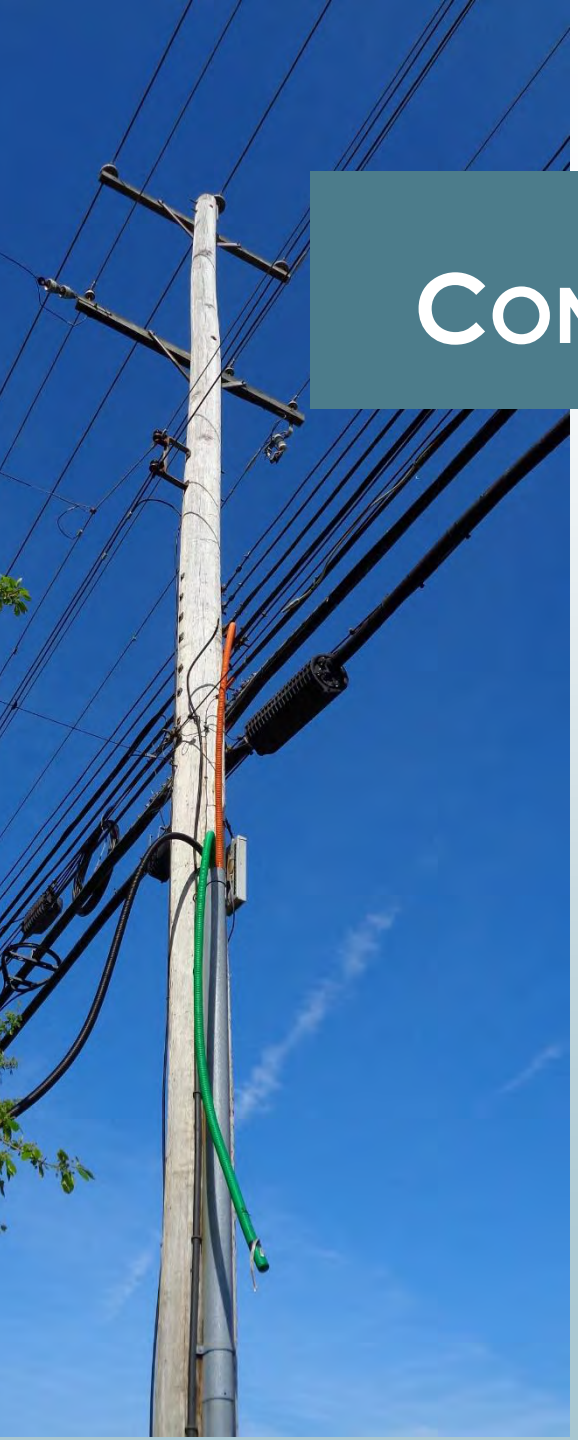


PAOLI PIKE TODAY



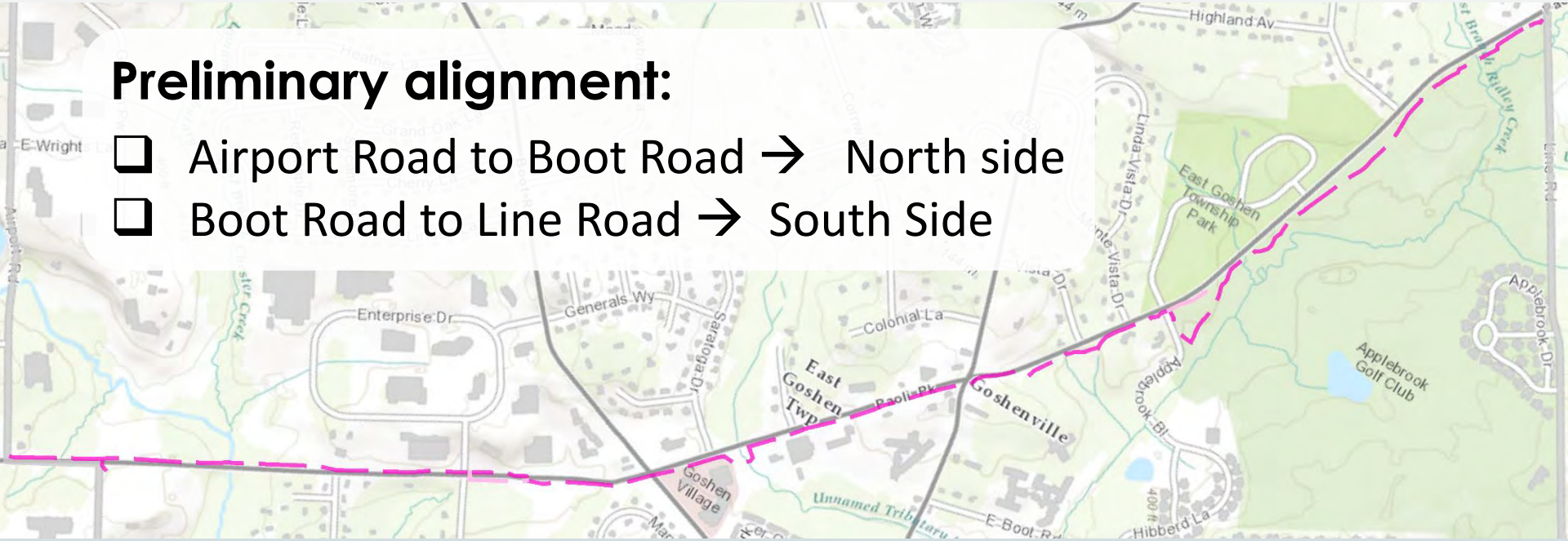
Assets & Opportunities

- Mix of land uses with many popular destinations for walking and biking trips, including schools, parks, shops, restaurants, and community facilities
- Adjacent residential developments
- Concentration of parkland
- Significant area of Township owned-land
- Existing trails and trail easements
- Opportunities for future regional trail connections



Constraints & Challenges

- High vehicular travel speeds and volumes
- Limited right-of-way
- Inconsistent roadway cross-section
- Steep slopes adjacent to the roadway
- Stormwater management facilities and basins adjacent to the roadway
- Overhead utility line parallel to the roadway
- Pipelines and other underground utilities
- Stream crossings with associated floodplains and wetlands
- Numerous driveways that are wide and closely spaced in some areas



Preliminary alignment:

- ❑ Airport Road to Boot Road → North side
- ❑ Boot Road to Line Road → South Side

Evaluate preliminary alignment based on:

- ❑ Connectivity
- ❑ Safety
- ❑ Feasibility
- ❑ Constructability
- ❑ Environmental and cultural resources
- ❑ Right-of-way

ALTERNATIVES EVALUATION

Next Steps

- **Property Owners Meeting** on June 9, 2015, 7pm
- **Public Meeting** on June 16, 2015
  - *Open House: 6pm – 7pm*
  - *Presentation during Board of Supervisors Meeting: 7pm*
- **Trail Committee Email Coordination (mid- to late- June)**: Review comments received and select preferred alignment and design options
- **Trail Committee Meeting #2**: August 2015 (date TBD) Review draft trail conceptual plan

Final

EAST GOSHEN TOWNSHIP
PAOLI PIKE TRAIL STEERING COMMITTEE
MEETING MINUTES
May 21, 2015

The East Goshen Township Paoli Pike Trail Steering Committee held their initial Project Kick –Off meeting on Thursday, May 21, 2015 at 7:00 pm at the East Goshen Township building.
Members in attendance were:
Board of Supervisors:
- Janet Emanuel, Township Supervisor, Committee Chair

Consultants:
- Natasha Manbeck, McMahon
- Jamie Kouch, McMahon
- Dan Wagner, McMahon

Committee Members;
- Monica Close, Planning Commission
- Don Zembruski, Commerce Commission
- Erich Meyer, Conservancy Board
- Chris Reardon, Historical Commission
- Joe Zulli, Park and Recreation Commission
- Vince Lord, Commerce Commission
- Mike Broennle, Special Resident Advisor

Township Staff:
- Mark Gordon, Zoning Officer
- Jason Lang, Dir. of Recreation

Residents:
- John Stipe

Call to Order & Pledge of Allegiance

Janet called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our troops.

Project Overview

Ms. Manbeck made a presentation which covered the following:

1. Background and Goals
2. Scope of Work
3. Schedule
4. Role of the Trail Committee

Design Guidelines

Ms. Manbeck then presented the design criterial and guidelines for multi use trails siting some local examples. Natasha then presented their initial evaluation of Paoli Pike.

Existing Conditions

Ms. Manbeck presented the initial alignment recommendations to the committee. The Paoli Pike Trail Corridor was presented in segments; Airport Rd. to approximately Reservoir Rd, Reservoir Rd to Boot Rd., Boot Rd to N. Chester Rd. and N. Chester Rd to Line Rd.

After a lengthy discussion on all segments the Committee agreed on a general alignment for the trail to focus on with a couple of options to consider. This draft alignment will be revised and posted to the website in the near future.

Next Steps

Natasha discussed the general structure of the upcoming events:

1. Property Owners Meeting on June 9, 2015
2. Public Meeting on June 16, 2015
    a. Open House 6-7PM
    b. Presentation to Board of Supervisors 7-7:30 PM
5. Trail Committee Meeting #2: August 2015 (date to be determined)

Adjournment

There being no further discussion, Janet thanked everyone for coming and Thanked Natasha and her team for the great start to an existing project. The meeting was adjourned at 8:58 pm.

Respectfully submitted,

Mark Gordon
Township Zoning Officer

PAOLI PIKE TRAIL

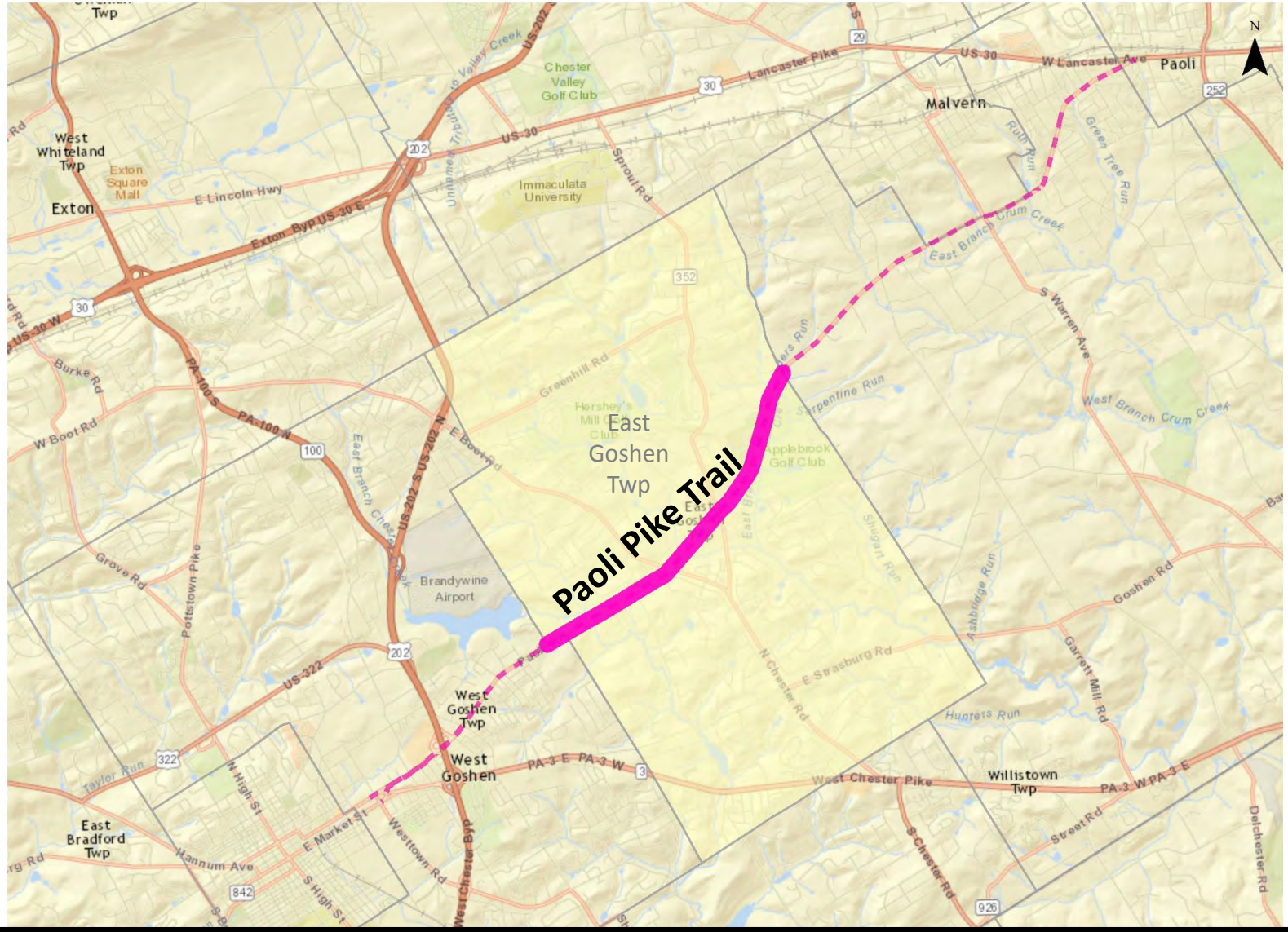
FEASIBILITY STUDY AND MASTER PLAN

Trail Committee Meeting #2

August 24, 2015
7pm

AGENDA

- **Activities Since Trail Committee Meeting #1** - May 21, 2015
  - *Preferred Alignment*
- **Draft Trail Concept Plan**
- **Design Treatments**
  - *Crosswalks*
  - *Fences*
  - *Amenities*
- **Potential Implementation**
- **Next Steps**

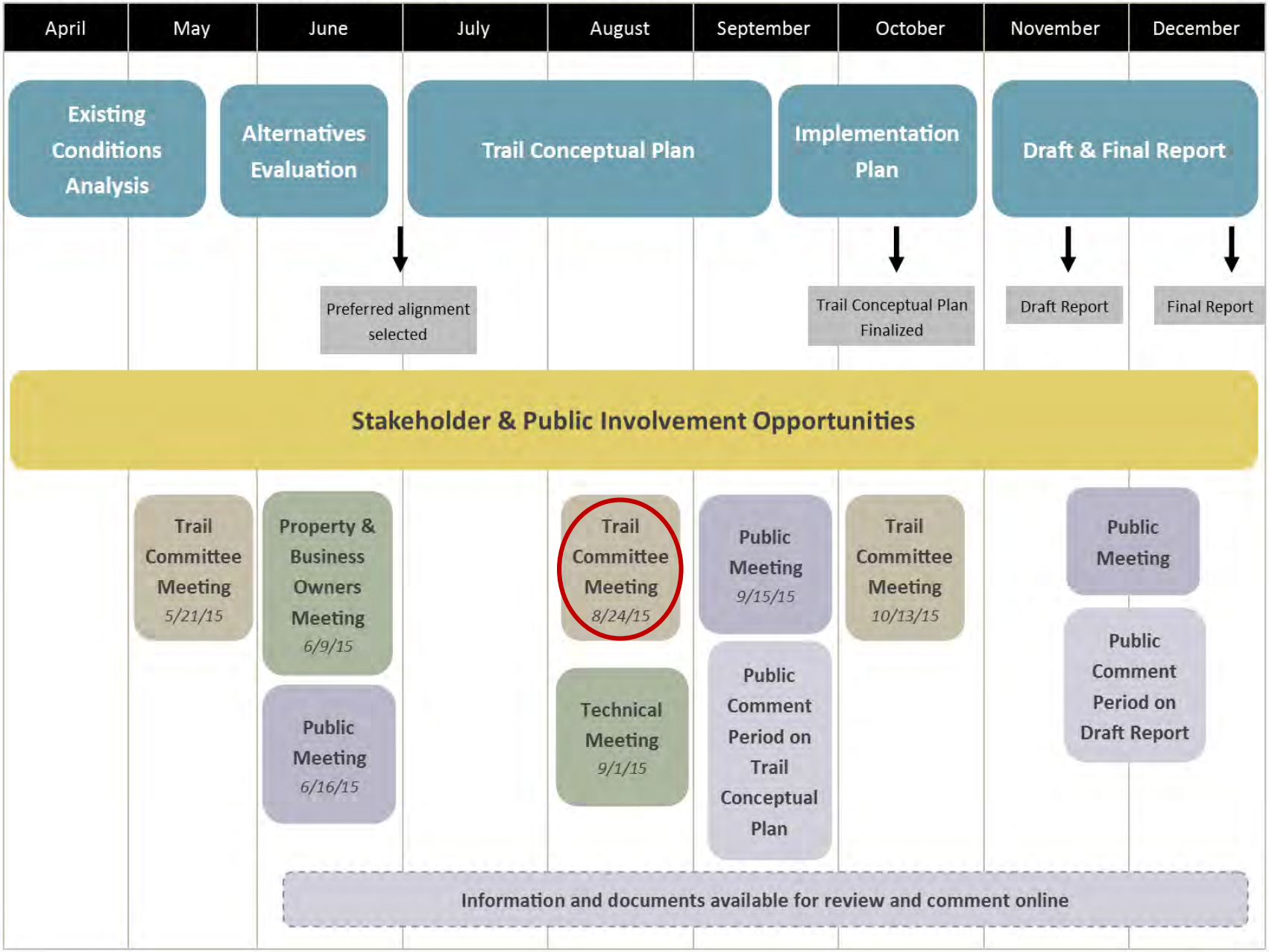


PROJECT AREA

PAOLI PIKE BETWEEN AIRPORT ROAD AND LINE ROAD

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



- **Property & Business Owners Meeting**
  - *June 9, 2015*

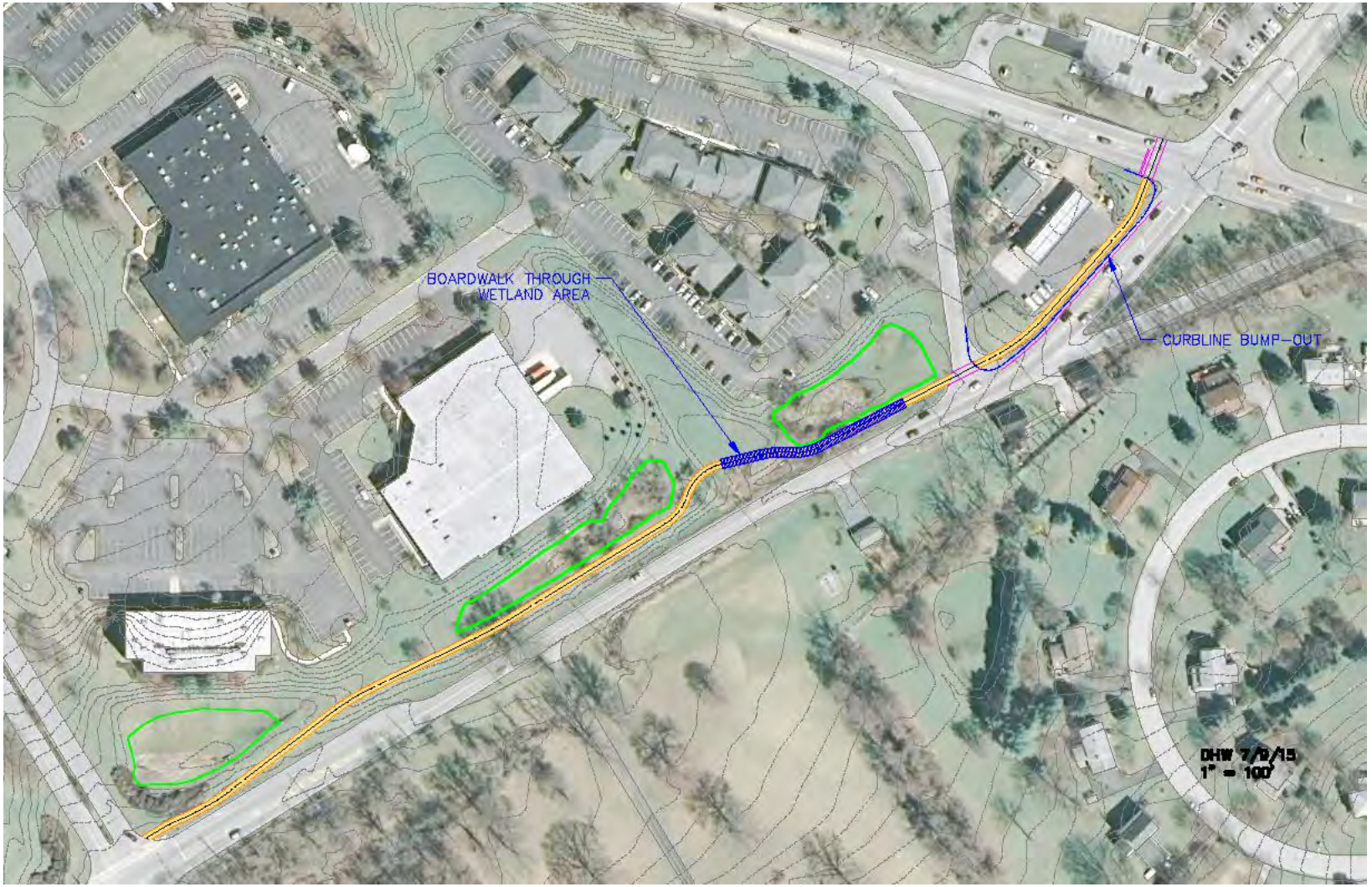
- **Public Open House and Presentation to Board of Supervisors**
  - *June 16, 2015*

- **Responding to comments received**
  - *Pervious pavement*
  - *Evaluate alignment between Reservoir Road and Boot Road*
  - *Summary of Related Regional Trail Plans & Resources on website*
  - *Coordination with neighboring municipalities and school district*
    - *Patriots Path Task Force*

- **Preferred Alignment**
  - *North side between Airport Road and Boot Road*
  - *South side between Boot Road and Line Road*

ACTIVITIES SINCE TRAIL COMMITTEE MEETING #1

MAY 21, 2015



PREFERRED ALIGNMENT

RESERVOIR ROAD TO BOOT ROAD

Concept To Date

- ❑ Trail, Buffer Areas, Crossings
- ❑ Related Roadway Improvements

Future Details and Design Work

- ❑ Signage
- ❑ ADA Curb Ramps
- ❑ Right-of-Way
- ❑ Stormwater Management

DRAFT TRAIL CONCEPT PLAN

WORK IN PROGRESS

Signs On the Roadway

Warning Signs for Motorists

Signs on the Trail

Regulator Signs for Trail Users

R1-1

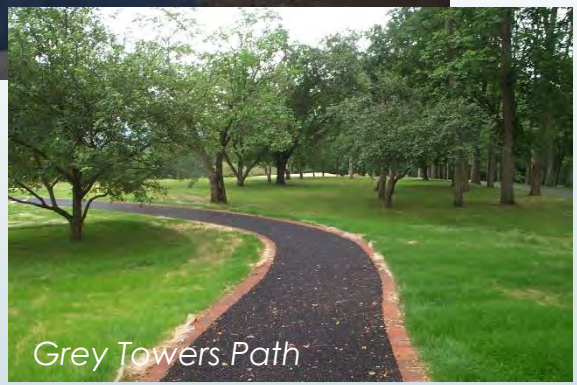
R1-2

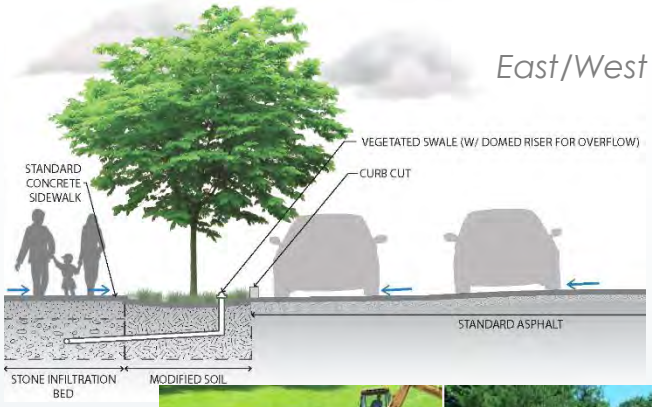
R9-5

R9-6

R9-7

SIGNAGE





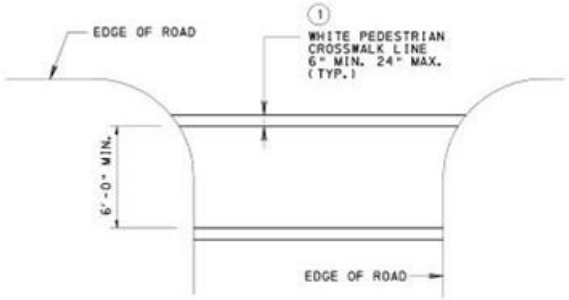
East/West Central Avenue Trail
(Meliora Design)

PA Stormwater Best Management Practices Manual

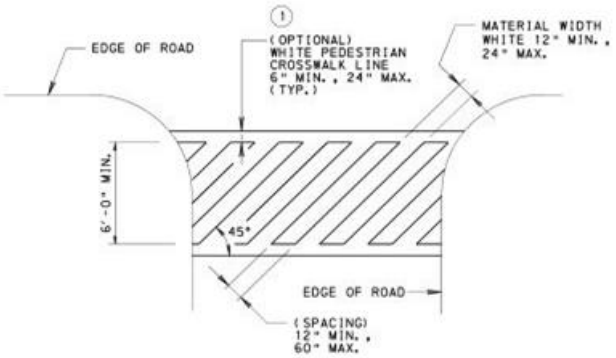
Pervious or Porous Pavement

Infiltration Trench

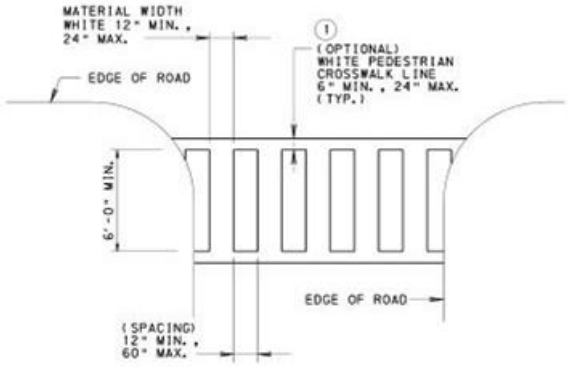
STORMWATER MANAGEMENT



TYPE A - PARALLEL



TYPE B - DIAGONAL

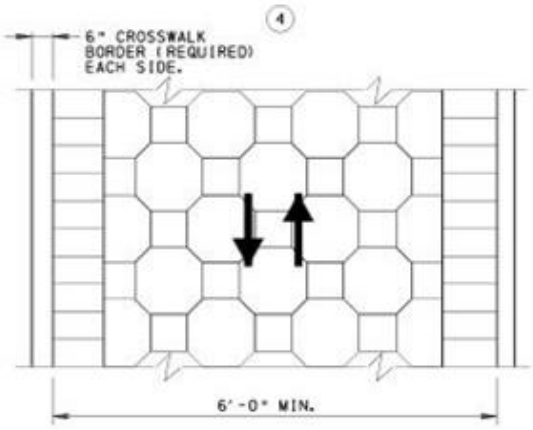


TYPE C - PERPENDICULAR

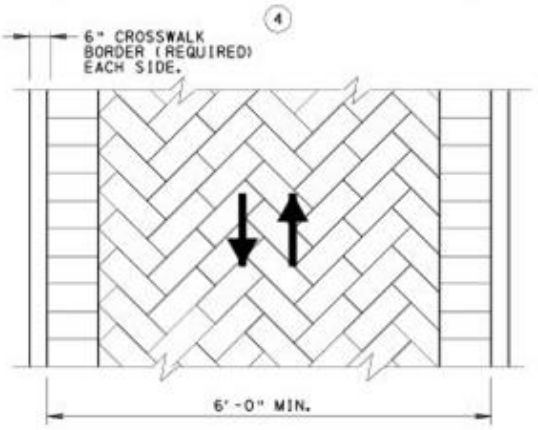
Recommended for Trail Crossings

DESIGN TREATMENTS

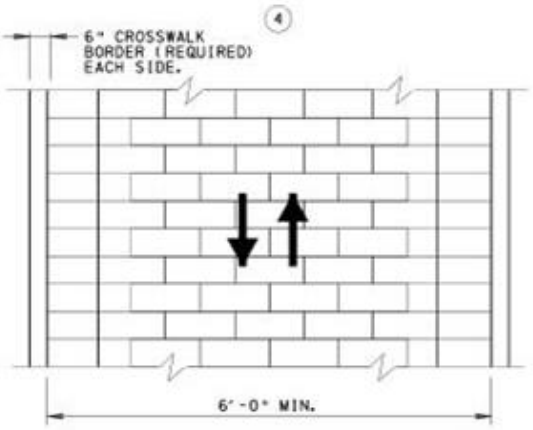
STANDARD CROSSWALKS



TYPE D - COURTYARD



TYPE E - HERRINGBONE



TYPE F - OFFSET BRICK

APPROVED NON-REFLECTIVE COLORS: WHITE, BLACK, BROWN, SILVER-GRAY, TAN AND MAROON

DESIGN TREATMENTS

DECORATIVE CROSSWALKS

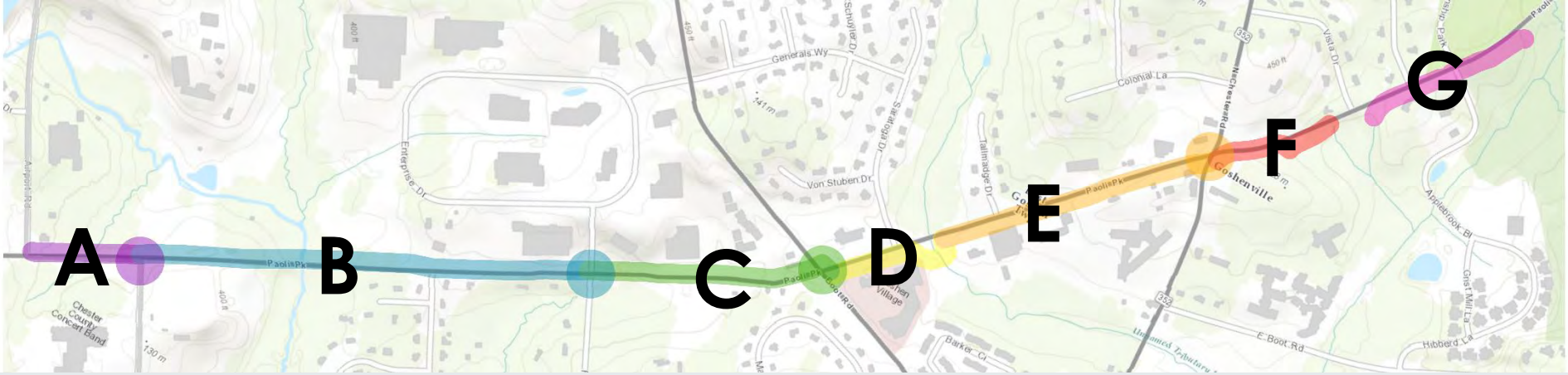
Design Treatments

Fences

- Trees
  - *Replacement of trees removed?*
- Bicycle racks
- Trash receptacles
- Benches
- Kiosks
- Lighting

DESIGN TREATMENTS

LANDSCAPING AND AMENITIES



- **A. Airport Road to Ellis Lane**
  - *Including improvements at Ellis Lane intersection*
- **B. Ellis Lane to Reservoir Road**
  - *Including improvements at* Reservoir Road *intersection*
- **C. Reservoir Road to Boot Road**
  - Including improvements at Boot Road intersection
- **D. Boot Road to Goshen Village**
- **E. Goshen Village to PA 352**
  - Including improvements at PA 352 intersection
- **F. PA 352 to Existing Applebrook Trail east of Goshen Friends**
- **G. Connection of Existing Applebrook Trails**

Potential Implementation

- **Photographic Renderings**

- **PennDOT Technical Coordination Meeting**
  - *September 1, 2015*

- **Patriots Path Task Force Meeting**
  - *September 15, 2015*

- **Public Meeting** – Presentation of Draft Trail Concept Plan
  - *September 15, 2015*
  - *Open House: 6:30pm – 7pm*
  - *Presentation during Board of Supervisors Meeting: 7pm*

- **Public Review and Comment Period** - Draft Trail Concept Plan
  - *Draft Concept Plan available online and posted in the Township Building*
  - *Comments accepted through September 30, 2015*

NEXT STEPS

Next Steps

- **Trail Committee Meeting #3**
  - *October 13, 2015 at 7pm*
  - *Finalize Trail Concept Plan*
  - *Discuss Draft Implementation Plan*
    - *Priorities*
    - *Initial cost estimates*
    - *Funding options*

- **Draft Report**
  - *Trail Committee review and comment: October/November 2015*
  - *Public review and comment: November/December 2015*
  - *Public Meeting: November/December 2015*

EAST GOSHEN TOWNSHIP
PAOLI PIKE TRAIL STEERING COMMITTEE
MEETING MINUTES
August 24, 2015

The East Goshen Township Paoli Pike Trail Steering Committee held their second committee meeting on Monday, August 24, 2015 at 7:00 pm at the East Goshen Township building.
The Trail Committee Members in attendance were:
Committee Members;

- Chris Reardon, Historical Commission (Acting Chair)
- Monica Close, Planning Commission
- Don Zembruski, Commerce Commission
- Erich Meyer, Conservancy Board
- Lori Kier, Planning Commission
- Joe Zulli, Park and Recreation Commission
- Mike Broennle, Special Resident Advisor

Township Staff:

- Mark Gordon, Zoning Officer

Consultants:

- Natasha Manbeck, McMahon
- Jamie Kouch, McMahon
- Dan Wagner, McMahon

Business and Property Owners:

- Four adjoining property owners and concerned residents were in attendance too.

Call to Order & Pledge of Allegiance

Chris called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our troops.

Activities Since Trail Committee Meeting 1

Ms. Manbeck reviewed the work that has been done since the last meeting and then discussed how they came to the preferred alignment.

Draft Trail Concept Plan

Ms. Manbeck presented the Draft Trail Concept Plan, the Committee discussed the plan at length. The Committee agreed to accept the Draft Trail Concept Plan. The committee also discussed how storm water would be handled and determined that multiple types of SWM controls will be needed. Pourus Pavement may be the preferred trail surface material however it may be cost prohibitive.

Design Treatments

The committee discussed cross walks striping, fence styles, and bike racks. The committee agreed that the cross walk style they prefer is the "Perpendicular" style. They agreed that they would like to see plan for bike racks at key locations along the trail. The fencing style should be consistent along the trail and be unobtrusive. Landscaping is very desirable and should be identified as a priority on the plan. Lighting should be seriously considered for the Town Center area at a minimum.

Potential Implementation

The design team has broken the trail into seven segments for ease of permitting, funding and construction. The committee agrees with this concept of segments understanding that more than one

segment may be constructed at one time and that some segments may be built out of order due to grant funding and other constraints.

Next Steps

The design team and staff are meeting with PennDOT on 9/1
The Design Team and Staff are presenting the Draft Trail Concept Plan to the Board on 9/15
The Trail Committee will meet next on 10/13/2015

Adjournment

There being no further discussion, the meeting was adjourned at 9:01 pm.

Respectfully submitted,

Mark Gordon
Township Zoning Officer

Paoli Pike Trail Feasibility Study and Master Plan

Trail Committee Meeting #2

August 24, 2015

NOTES

Comments/Changes to Concept Plan

- Confirmed use of pervious pavement and infiltration trench (for concept plan and cost estimate)
- Confirmed use of continental or parallel crosswalk design
- Horse Farm Property: Show double fence for horse pasture; Show fence to protect trail users from steep slopes adjacent to Paoli Pike
- Reservoir Road: Show median on the west side of the intersection; resident noted that AM EB LT queues may push into median/gore.
- At Park Entrance: Update trail color to match trail alignment
- Applebrook Park: Remove "Y" connections

For PennDOT Meeting

- Discuss type of approved fences for separation of the trail from the roadway
- Boot Road intersection: Review traffic count data
    - NB Boot Road to EB Paoli Pike: Possible signal control vs. yield control
    - No Turn on Red
- Mid-block crossing or connection to the northside between Cyber Charter, Bentley, etc.

Other coordination items

- Potential rendering locations include: Hicks Horse Farm, Corporate Park, Town Center
- Township solicitor, Kristin Camp, to attend public meeting on September 15 and will be available to answer questions related to right-of-way/easements
- Mark to provide cost information for other trail boardwalks to McMahon
- Mark to coordinate on Paoli Pike Trail and/or Paoli Pike Promenade presentation to the Commerce Commission this fall
- Provide Trail Committee with information on life expectancy, maintenance, and general cost difference for pervious pavement
- Township to send letters to property and business owners regarding draft Trail Concept Plan public meeting and comment period
- Don Zembruski to invite staff from state representative to the next Trail Committee meeting
- Town Center to have decorative street lighting – should this be included in the estimate with the trail project(s)?
- Confirm new sign at Hibbard is not in conflict.

Items to include in the Final Concept Plan/Draft Report

- Township-owned "Triangle" property: Show as a public gathering space with trail amenities
- Consider grant opportunities for trails with green infrastructure
- Trail maintenance, including hours of operation and responsibilities of property owners, will be determined at a later date
- Identify locations for bicycle parking, benches, and other amenities
- Mitigation of tree removal should be included in estimate
- Specific design guidelines for items such as fences, will be determined at a later date, but should be sensitive and reflect of the context and character of East Goshen Township

PAOLI PIKE TRAIL

FEASIBILITY STUDY AND MASTER PLAN

Trail Committee Meeting #3

October 13, 2015
7pm

- **Photographic Renderings**

- **Implementation Plan**
  - *Cost Estimates*
  - *Funding Sources*
  - *Funding Options & Strategy*
  - *Current Grant Funding Application Periods*

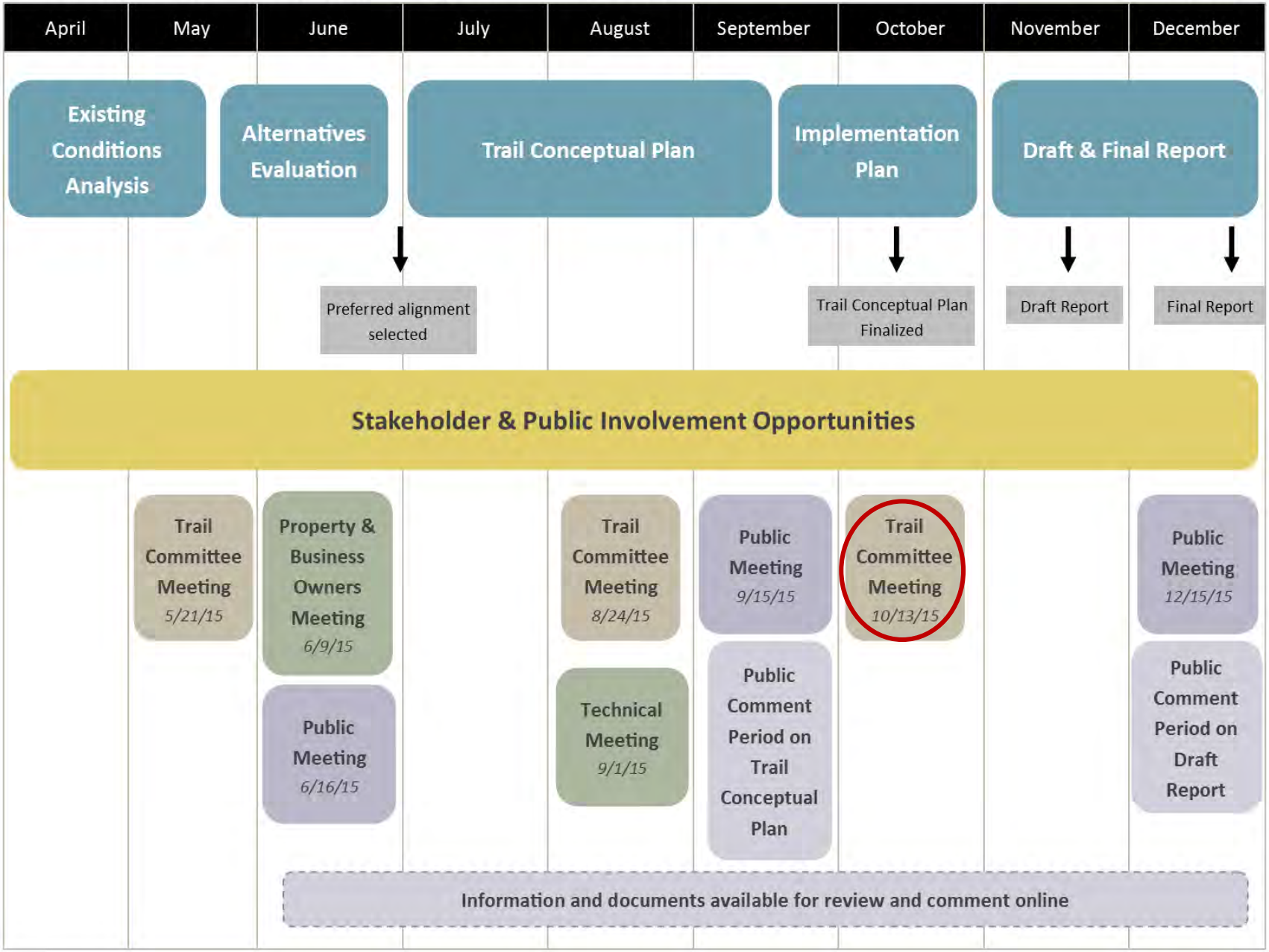
- **Finalize Trail Conceptual Plan**

- **Next Steps: Draft & Final Report**

AGENDA

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



10/13/2015

Looking West Towards Ellis Lane

Horse Farm Frontage

Looking East Towards Reservoir Road

Goshen Corporate Park Frontage

Looking East Towards N. Chester Road (PA 352)

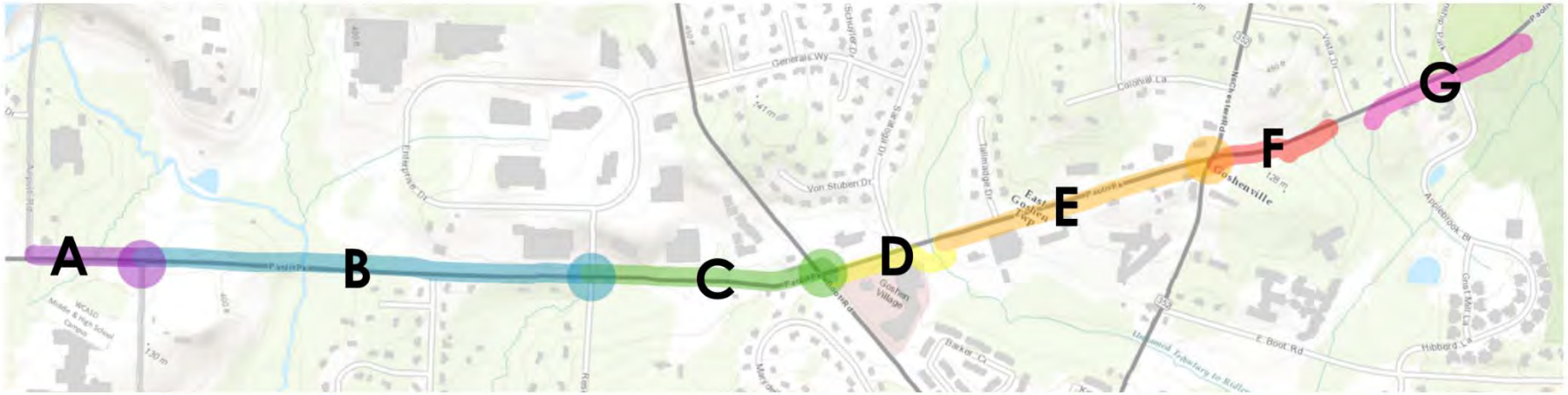
Township Building Frontage

- Cost estimates based on Trail Conceptual Plan, which was developed using aerial photography, available GIS data, and field reconnaissance.
- **Construction:** Based on quantities derived from the Trail Conceptual Plan and unit prices from recently bid local projects with PennDOT oversight.
- **Engineering, Permitting, & Inspection:** Depend on requirements associated with specific funding sources → *Estimates are modest and could be higher if federal funds are used and lower if local funds are used.*
  - **Engineering & Permitting:** 25% of Total Construction Cost
  - **Inspection:** 12% – 15% of Total Construction Cost
- **Right-of-Way:** Includes rough estimates for temporary and permanent easement → *Does not include the cost of legal fees associated with right-of-way acquisition process.*
- **Utilities:** Includes rough estimate for relocation of existing surface utilities. → *Does not include the cost of underground utility relocations.*
- **Contingency:** 10% of Infrastructure Cost, per PennDOT Publication 352
- **2015 dollars:** Inflation not included.

Engineer's Conceptual Opinion of Cost

Cost Estimates

DRAFT—Subject to Change



	Segment	Construction (2015 $)	Inspection	Engineering & Permitting	Utilities	Right-of-Way	Total
A	Airport Road to Ellis Lane	$365,000	$55,000	$92,000	$15,000	$93,000	$620,000
B	Ellis Lane to Reservoir Road	$1,487,000	$179,000	$372,000	$15,000	$322,000	$2,375,000
C	Reservoir Road to Boot Road	$855,000	$129,000	$214,000	$0	$225,000	$1,423,000
D	Boot Road to Goshen Village	$216,000	$33,000	$54,000	$0	$94,000	$397,000
E	Goshen Village to PA 352	$1,498,000	$180,000	$375,000	$45,000	$115,000	$2,213,000
F	PA 352 to Existing Applebrook Trail	$169,000	$26,000	$43,000	$10,000	$10,000	$258,000
G	Connection between Existing Applebrook Trails	$252,000	$38,000	$63,000	$20,000	$0	$373,000

Funding Sources Overview

Public
- Federal, State, Regional, County

Competitive Grant Programs

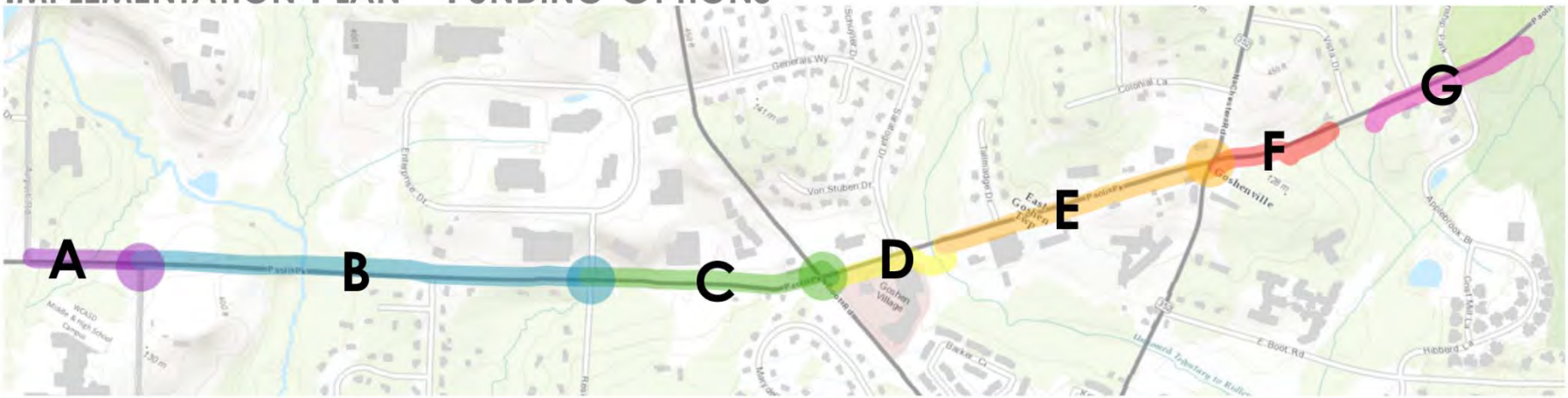
- Township

Private
- Non-Profits/Foundations
- Companies/Corporations

Program – Administering Agency	Types of Projects	Program Details	Anticipated Application Period
Transportation Alternatives Program (TAP) – PennDOT – Large MPOs	– Bicycle & pedestrian facilities – Stormwater management	– Federal funds (MAP-21) – Match requires funding all pre-construction activities – $250,000 minimum – $1 million maximum – 2 year timeframe to complete design, right-of-way, and utility clearance	November 2, 2015 – January 8, 2016
Congestion Mitigation and Air Quality (CMAQ) – DVRPC	– Bicycle & pedestrian facilities – Traffic flow & congestion reduction – Transit improvements	– Federal funds (MAP-21) – Match requires funding all pre-construction activities	2017
CFA/DCED – Multimodal Transportation Fund (MTF) – Commonwealth Financing Authority (CFA) with DCED	– Bicycle & pedestrian facilities, including streetscapes – Connectivity improvements – Transit improvements – Noise barriers	– Annual competitive grant program – State funds (Act 89) – 30% match – $100,000 minimum – $3 million maximum – 2 – 3 year timeframe to complete the grant funded activities	July 2016
Greenways, Trails and Recreation Program (GTRP) – Commonwealth Financing Authority (CFA) with DCED & DCNR	– Greenways & trails – Parks & recreation areas	– Annual competitive grant program – State funds (Act 13) – 15% match – $250,000 maximum – 2 - 3 year timeframe to complete the grant funded activities	June 2016
PennDOT – Multimodal Transportation Fund (MTF) – PennDOT	– Bicycle & pedestrian facilities, including streetscapes – Connectivity improvements – Transit improvements – Noise barriers	– Annual competitive grant program – State funds (Act 89) – 30% match – $100,000 minimum – $3 million maximum – 2 – 3 year timeframe to complete the grant funded activities	October 3, 2015 – December 18, 2015
Community Conservation Partnerships Program (C2P2) – DCNR	– Greenways & trails – Parks & recreation areas	– Annual competitive grant program – Various federal and state funds – 50% match	April 2016
Chester County Open Space – Municipal Grants Program – Chester County Open Space Preservation	– Trail land acquisition – Trail easement acquisition – Trail development	– Annual competitive grant program – County funds – 50% match – $500,000 maximum for acquisition grants – $100,000 to $250,000 maximum for development grants – 3 year timeframe to complete the grant funded activities	2016
Regional Trails Program – DVRPC	– Regional trail projects to complete The Circuit	– Private funds (William Penn Foundation)	Unknown
PECO Green Region Program – Natural Lands Trust	– Improving municipally owned open spaces, including trails – Acquisition of land for open space	– Annual competitive grant program – Private funds – 50% match – $10,000 maximum – 18 month timeframe to complete the grant funded activities	December 31, 2015

Implementation Plan—Funding Options

DRAFT—Subject to Change



	Segment	Segment Length (Mi.)	Total Cost	TAP	CMAQ	CFA/DCED-MTF	GTRP	PennDOT-MTF	C2P2
A	Airport Road to Ellis Lane	0.15	$620,000	✓	✓	✓		✓	✓
B	Ellis Lane to Reservoir Road	0.60	$2,375,000			✓		✓	✓
C	Reservoir Road to Boot Road	0.30	$1,423,000	✓	✓	✓		✓	✓
D	Boot Road to Goshen Village	0.19	$397,000			✓	✓	✓	✓
E	Goshen Village to PA 352	0.34	$2,213,000			✓		✓	✓
F	PA 352 to Existing Applebrook Trail	0.10	$258,000			✓	✓	✓	✓
G	Connection between Existing Applebrook Trails	0.21	$373,000	✓	✓	✓		✓	✓

Implementation Plan—Funding Strategy

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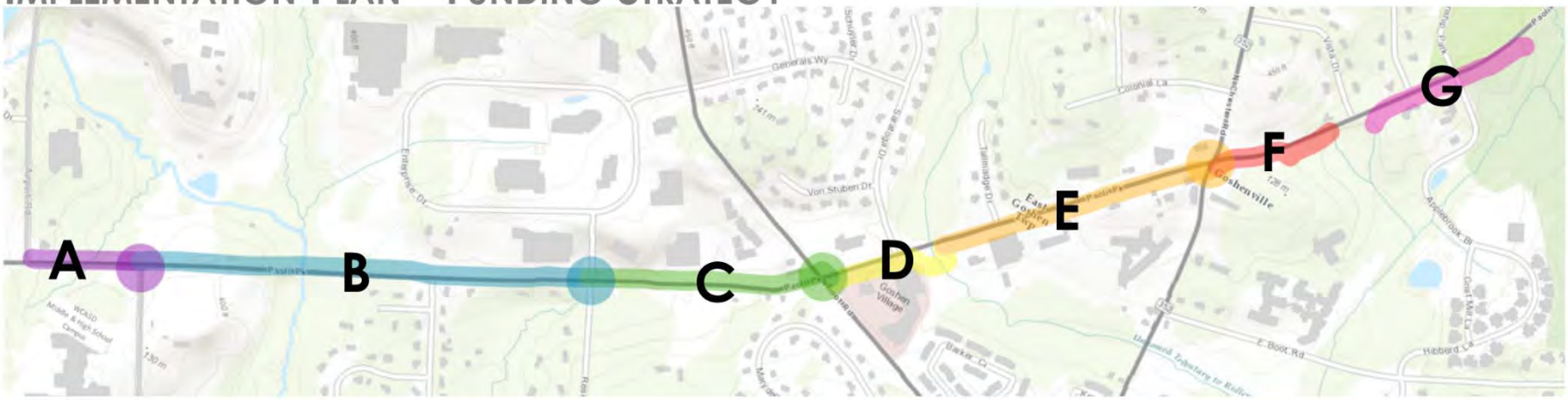

Segment		Total Cost	Grant Funding Program	Grant Request	Match Amount	Notes
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B	Ellis Lane to Reservoir Road	$2,375,000				
C	Reservoir Road to Boot Road	$1,423,000	TAP	$ 984,000	$ 439,000	Federal funding requirements; 2 year timeframe for completion
D	Boot Road to Goshen Village	$ 397,000	MTF (CFA or PennDOT)	$ 305,384	$ 91,615	
E	Goshen Village to PA 352	$ 2,213,000	MTF (CFA or PennDOT)	$1,702,307	$ 510,692	
F	PA 352 to Existing Applebrook Trail	$ 258,000	C2P2	$ 129,000	$ 129,000	Possibly combine with G
G	Connection between Existing Applebrook Trails	$ 373,000	C2P2	$ 186,500	$ 186,500	Possibly combine with F

Current Funding Application Periods

- **PennDOT MTF**
  - Applications due: 12/18/15
  - Online application available now
  - State funds
  - 30% match of grant award
- **TAP**
  - Application period: 11/2/15 – 1/8/16
  - Information Session at Chester County: 10/27/15
  - Federal funds
  - Statewide & Regional Selection
  - Sponsor funds all pre-construction activities

Schedule for Draft Report Review and Comments

- 11/16/15: Draft Report sent electronically to Trail Committee
- 12/1/15: Comments due from Trail Committee
- 12/8/15: Post Draft Report online for public review/comment
- 12/15/15: Public Meeting (as part of the Supervisors Meeting)
- TBD: End of public review period on Draft Report
- January 2016: Final Report

NEXT STEPS

Cost Estimates

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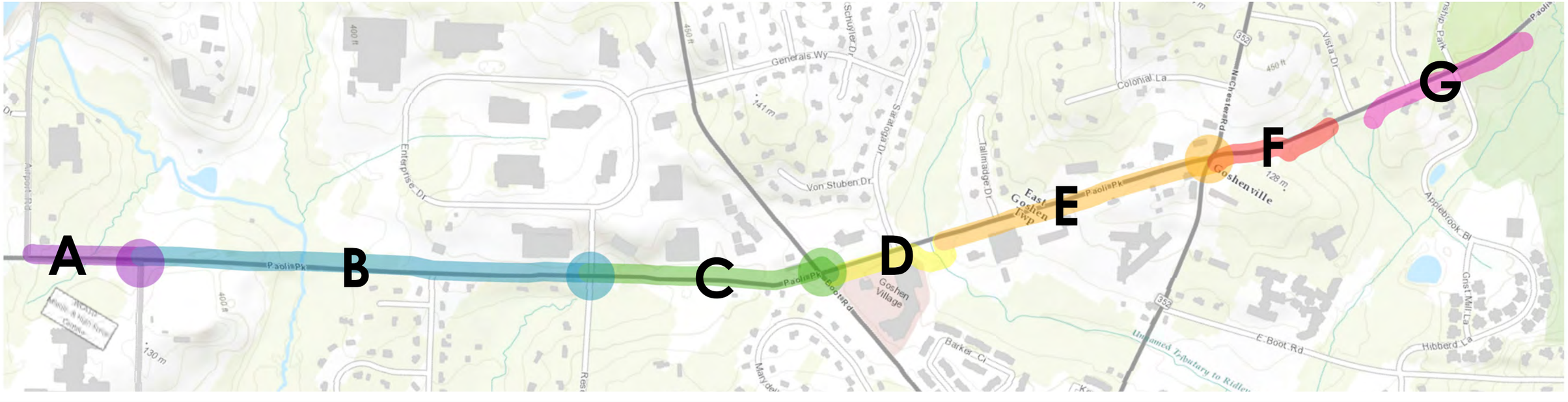

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Implementation Plan—Funding Options

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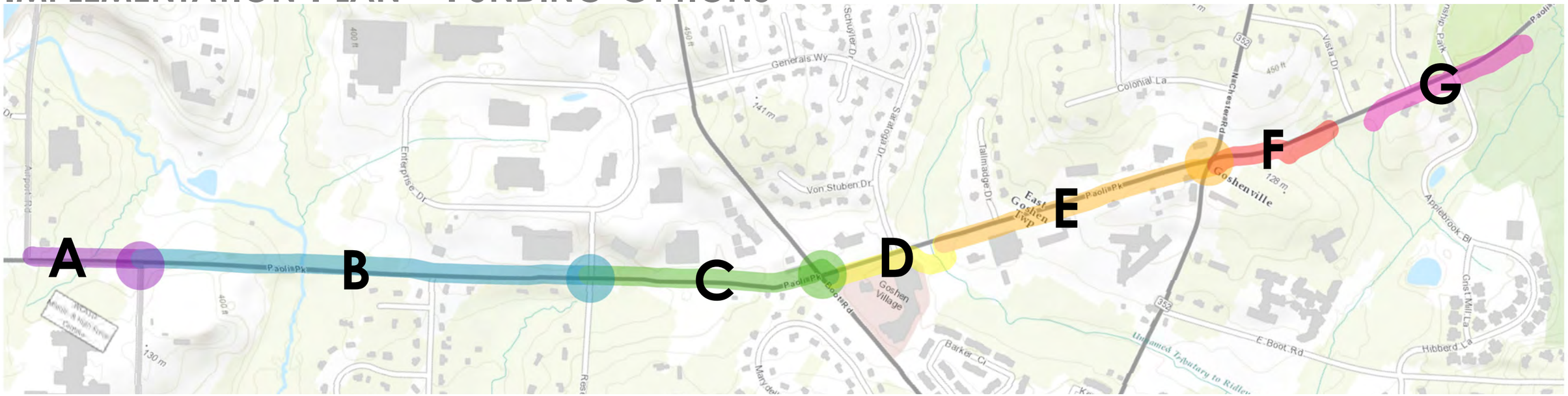

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IMPLEMENTATION PLAN—FUNDING STRATEGY

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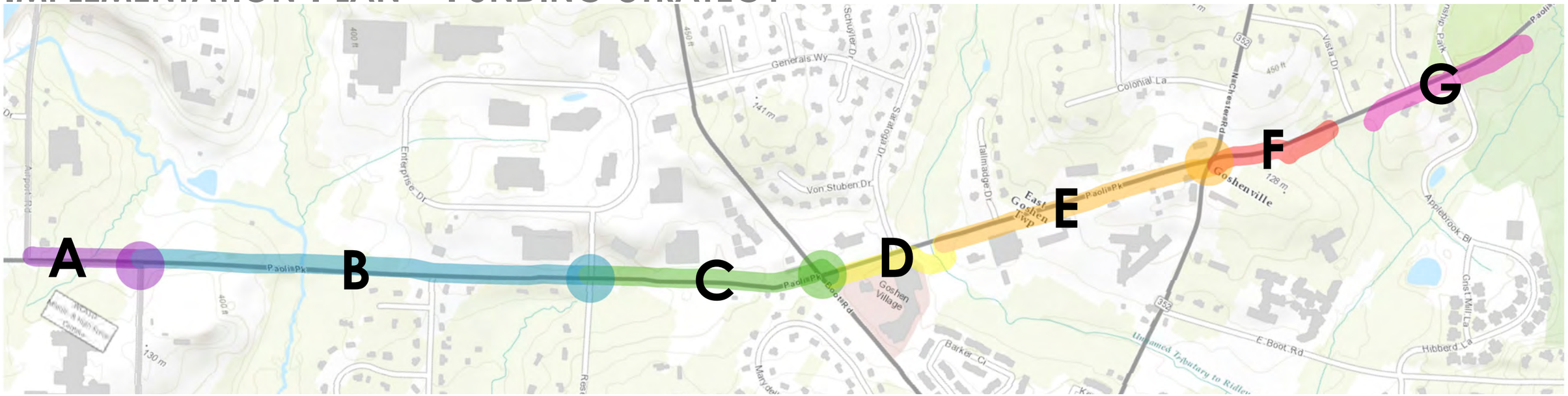

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EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS MEETING
1580 PAOLI PIKE
OCTOBER 13, 2015 – 7:00 pm
DRAFT MINUTES

Present: Chairman Marty Shane; Vice-Chairman Senya D. Isayeff; and Supervisors Janet Emanuel; Carmen Battavio; Township Manager Rick Smith; Township CFO Jon Altshul; Township Director of Code Enforcement/Zoning Officer Mark Gordon; Park & Recreation Director Jason Lang; and ABC Members Erich Meyer (Conservancy Board), Lori Kier (Planning Commission), Don Zembruski (Commerce Commission), Monica Close (Planning Commission), Chris Reardon (Histoircial Commission), Joe Zulli (Park and Recreation Commission) and Mike Broennle (Trail Committee).

Call to order & Pledge of Allegiance:
Marty called the meeting to order at 7:00 pm and asked Natasha Manbeck to lead the assembly in the Pledge of Allegiance.

Moment of Silence:
Carmen called for a moment of silence to honor the members of the military who keep us safe and Godspeed to all those who have lost their lives in the line of duty.

Recording of Meeting: Candace Mulholland, Reporter for the *Daily Local News*, indicated that she would be recording the meeting.

New Business:

a.) **Update on Paoli Pike Trail (PPT) Concept Plan Draft**. Natasha Manbeck, McMahon Associates, presented a PowerPoint update on the PPT Concept Plan with conceptual renderings. Some of the noted highlights of the presentation were:

a. Fencing would be erected in the horse farm frontage to provide safety where a steep sloping area exists.
b. A large sidewalk shoulder would be created in the Goshen Corporate Park frontage.
c. The Township Building frontage would be curbed, have a stamped asphalt median, and the car travel lanes would be narrowed to accommodate the trail. This particular feature has met with PennDOT's approval.
d. Cost estimates are based on aerial, GPS data, not actual survey data, and actual costs could vary
e. Natasha handed out detailed cost estimates illustrating the seven segments of the trail construction with costs totaling approximately $7.7 Million
f. Natasha suggested the central and eastern sections of the trail (C, D, E and F) as the recommended first targets based on costs and overall immediate impact to residents.
g. Natasha commented that a key piece of the puzzle was to know how much the Township could reasonably match to State and Federal funding.

h. Marty commented that the Township could reasonably match $1.3 million.
i. Natasha thought the initial, central segments would take approximately three years to construct.
j. *Lloyd Foss, 1344 Hollyberry Lane and Lori Kier, 619 Marydell Drive*, expressed a strong desire for sections A and B (those that are adjacent to the middle school and the high school) to be constructed first.
k. Mark Gordon commented that sections A and B are the most expensive of all the segments due to the amount of wetlands the path would need to cross and would require expensive and lengthy permits before construction could begin.
l. Natasha noted the following dates of importance: November 16th—Trail draft to the Committee; December 1st –Comments from Trail Committee are due; December 15th—Public Meeting as part of the Board of Supervisors Meeting; January 2016—Final Report due to Board.

Chairman's Report:

Marty announced that Penn DOT will begin the repaving work on Greenhill Road in early November, 2015, and that the 2015 Community Day was a great success and was held at no expense to residents.

New Business (Continued):

b.) **Presentation of 2016 Preliminary Proposed Budget**: Jon presented the 2016 Preliminary Proposed Budget. He noted that for the 13th consecutive year, no tax increases are proposed in the 2016 budget.The proposed budget included $10,027,751 in revenues and $10,065,787 in expenses for a deficit of $38,036, to be paid from existing fund balance.

Marty recommended that $50,000 in expenses for Paoli Pike Trail consultant expenses be added to the budget, based on Natasha's earlier presentation. Jon agreed to make that change, which would increase the deficit to $88,036. Jon also encouraged residents to visit the "2016 Budget" page on the website to learn more about the proposed budget.

Senya made a motion to advertise the proposed budget. Janet seconded. The motion passed 4-0.

Any Other Matter: The Board decided to discuss the ABC Committee Goals at the October 27, 2015 Board of Supervisors meeting

Adjournment:

There being no further business, the meeting was adjourned at 9:02 pm

Respectfully submitted,
Christina Rossetti Hartnett
Recording Secretary

PAOLI PIKE TRAIL
FEASIBILITY STUDY AND MASTER PLAN

Property and Business Owners Meeting

June 9, 2015
7pm

AGENDA

- **Introductions**
- **Project Overview**
  - Background
  - Scope of Work
  - Schedule & Public Involvement Opportunities
- **Design Guidelines**
  - Examples of other multi-use trails
- **Existing Conditions and Alternatives Evaluation**
- **Next Steps**

2013

Central Chester County Bicycle and Pedestrian Plan

- *Identified a multi-use trail along Paoli Pike in East Goshen Township as Priority Project H*

2014

Greenways, Trails, and Recreation Program (GTRP) Award

- *East Goshen Township awarded $52,500 grant from the Commonwealth Financing Authority for the Paoli Pike Trail - Feasibility Study and Master Plan*

BACKGROUND

2015 Comprehensive Plan Update

- *Expand recreational facilities*
- *Enhance linkages to the Park*
- *Expand pedestrian circulation (along Paoli Pike)*
- *Promote walkability (in Town Center)*
- *Paoli Pike greenway*

2015 Parks, Recreation, and Open Space Plan Update

- *Trails, Trails, Trails – Identified as a high priority*
- *Includes a Paoli Pike Multipurpose Path Assessment Report*
- *Key action Item: Develop a master plan and construction documents for the Paoli Pike Multi-Use Trail.*

BACKGROUND

Project Purpose: Provide a safe, convenient, and continuous connection for people of all ages and abilities to walk and bike between key destinations along Paoli Pike in East Goshen Township.

Project Goals: Support a connected, healthy, vibrant, and sustainable community.

CONNECTED

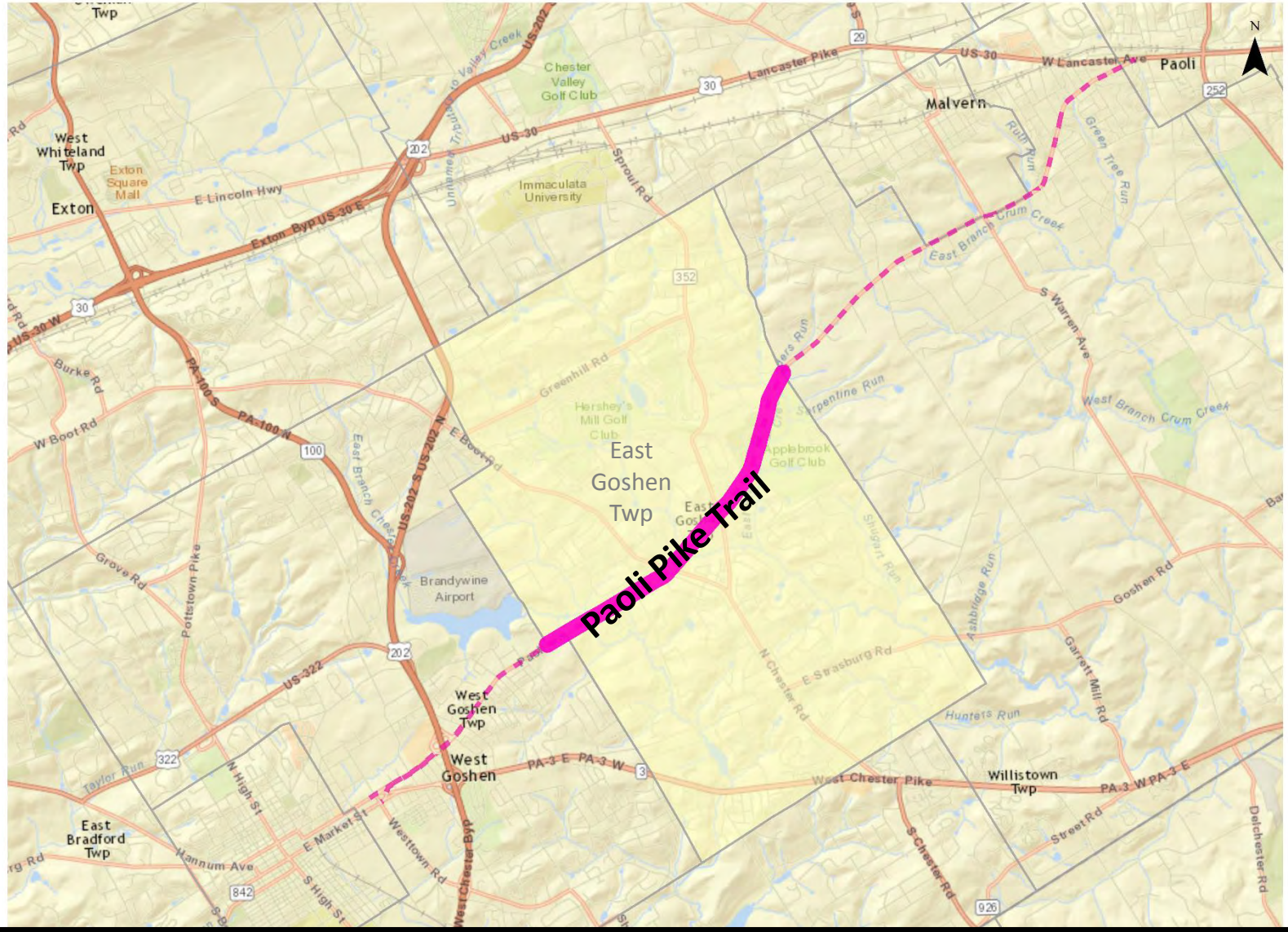
HEALTHY

VIBRANT

SUSTAINABLE

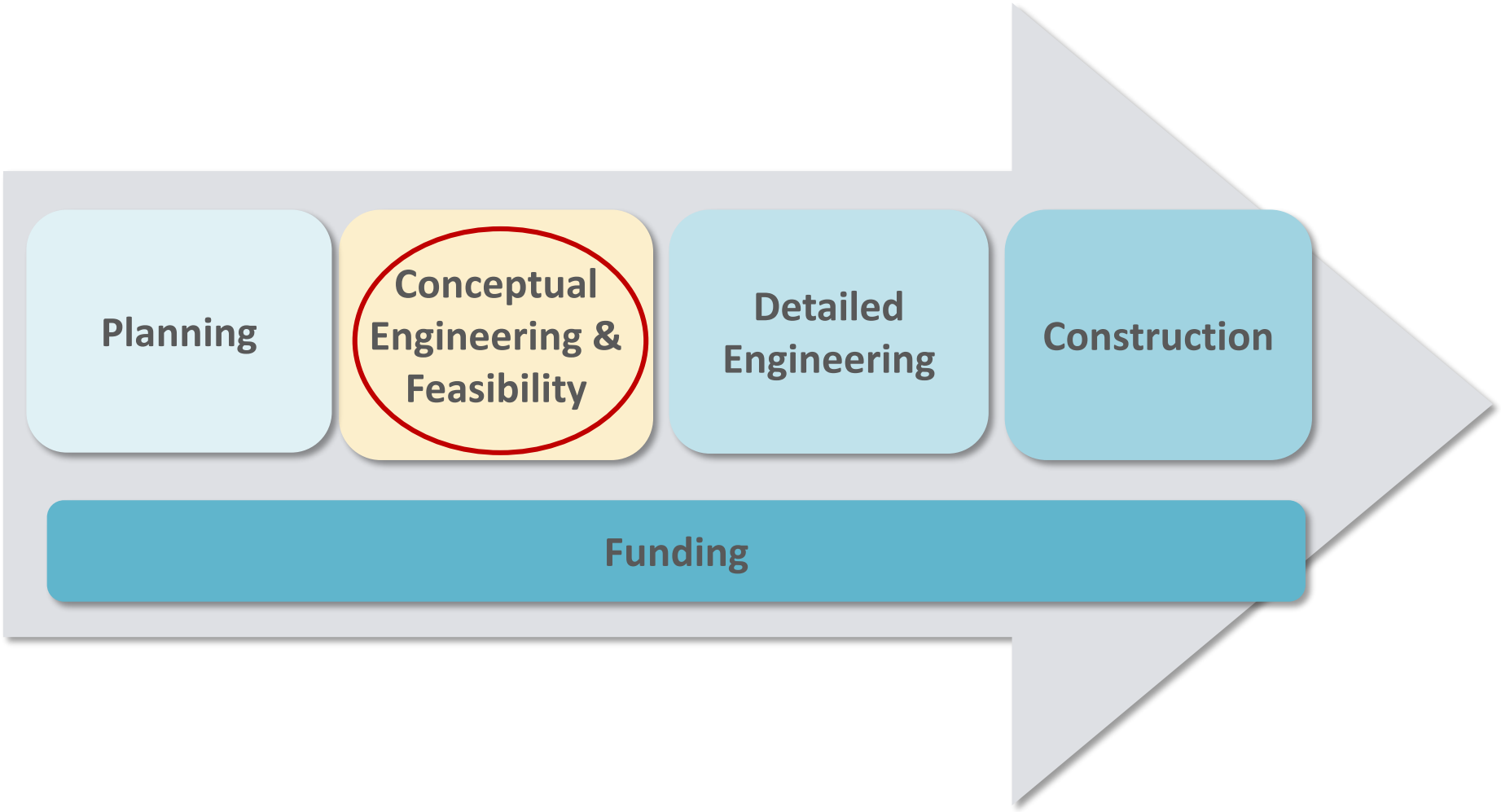
COMMUNITY

DRAFT PROJECT PURPOSE & GOALS



STUDY AREA

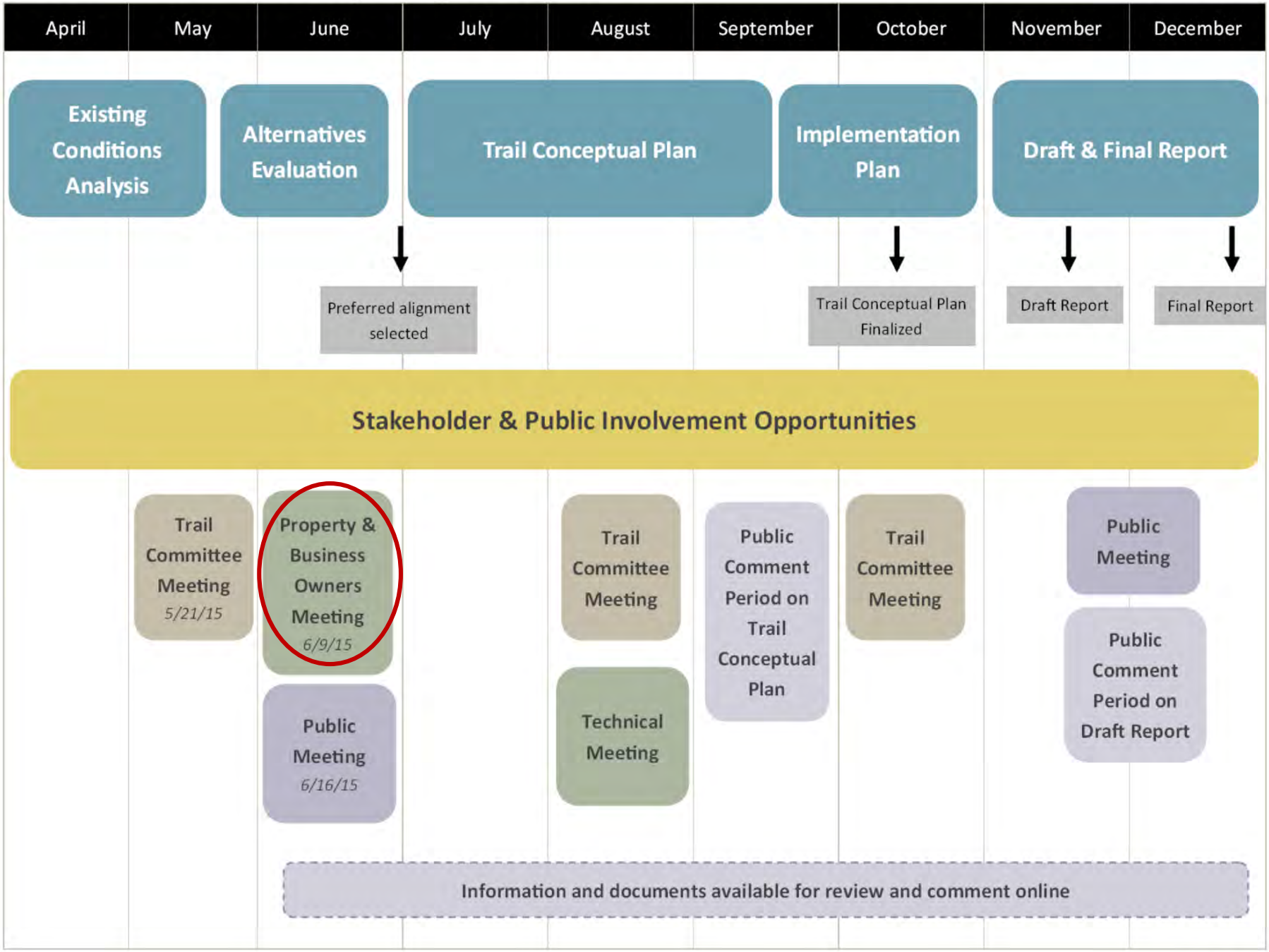
PAOLI PIKE BETWEEN AIRPORT ROAD AND LINE ROAD



Project Scope

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



What is a Multi-Use Trail?

- Off-road facility
- Accommodates multiple types of users, such as both bicyclists and pedestrians
- Often asphalt or crushed stone surface material
- ADA Compliant

Buffer Area	Trail Width
5’ – 6’ *4’ permissible with a barrier*	10’ – 12’ *8’ permissible in certain situations*

Photo credits: McMahon Associates, Inc., Chester County Planning Commission

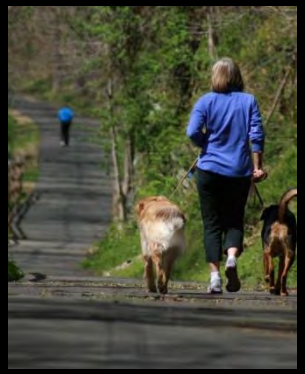
EXISTING MULTI-USE TRAILS IN EAST GOSHEN

Struble Trail

Schuylkill River Trail

Chester Valley Trail

Park Road Trail
Upper Uwchlan Township

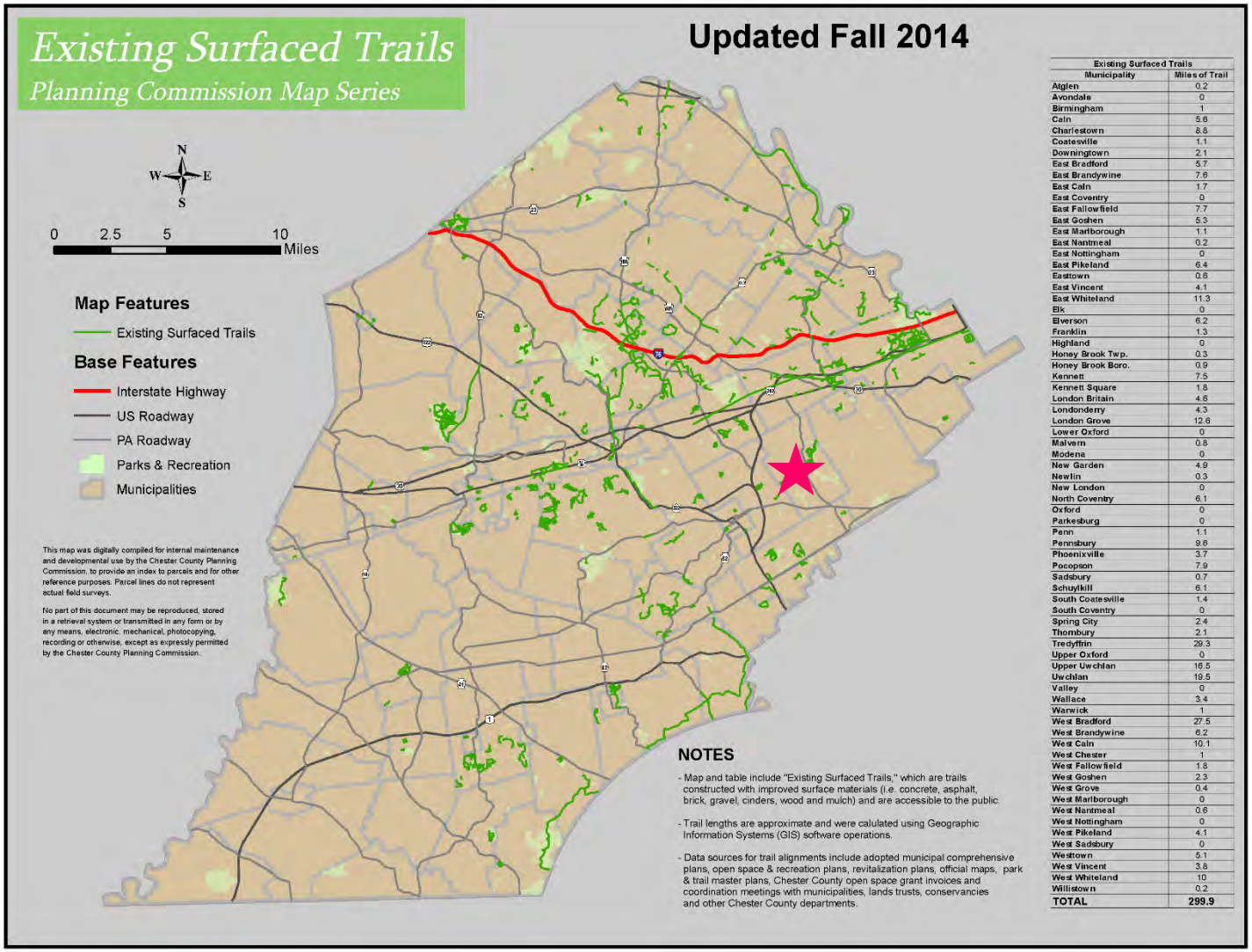


East Branch Brandywine Trail
East and West Bradford Townships

Uwchlan Trail
Uwchlan Township

Photo credits: Chester County Planning Commission, Upper Uwchlan Township

Other Multi-Use Trails in Chester County



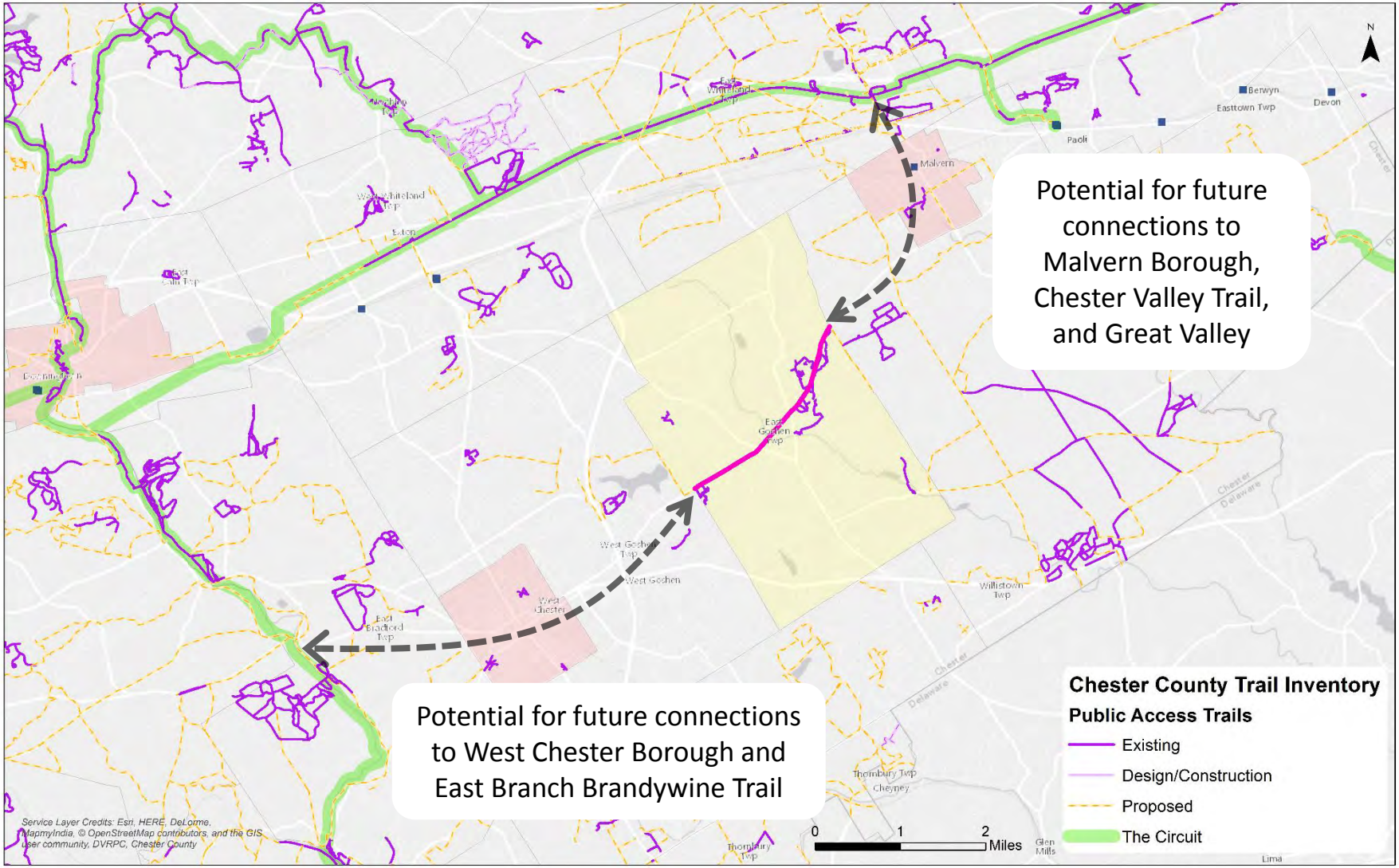
Existing Surfaced Trails

Municipality	Miles of Trail
Atglen	0.2
Avondale	0
Birmingham	1
Caln	5.6
Charlestown	8.8
Coatesville	1.1
Downingtown	2.1
East Bradford	5.7
East Brandywine	7.6
East Caln	1.7
East Coventry	0
East Fallowfield	7.7
East Goshen	5.3
East Marlborough	1.1
East Nantmeal	0.2
East Nottingham	0
East Pikeland	6.4
Eastown	0.6
East Vincent	4.1
East Whiteland	11.3
Elk	0
Elverson	6.2
Franklin	1.3
Highland	0
Honey Brook Twp.	0.3
Honey Brook Boro.	0.9
Kennett	7.5
Kennett Square	1.8
London Britain	4.6
Londonderry	4.3
London Grove	12.6
Lower Oxford	0
Malvern	0.8
Modena	0
New Garden	4.9
Newlin	0.3
New London	0
North Coventry	6.1
Oxford	0
Parkesburg	0
Penn	1.1
Pennsbury	9.6
Phoenixville	3.7
Pocopson	7.9
Sadsbury	0.7
Schuylkill	6.1
South Coatesville	1.4
South Coventry	0
Spring City	2.4
Thornbury	2.1
Tredyffrin	29.3
Upper Oxford	0
Upper Uwchlan	16.5
Uwchlan	19.5
Valley	0
Wallace	3.4
Warwick	1
West Bradford	27.5
West Brandywine	6.2
West Caln	10.1
West Chester	1
West Fallowfield	1.8
West Goshen	2.3
West Grove	0.4
West Marlborough	0
West Nantmeal	0.6
West Nottingham	0
West Pikeland	4.1
West Sadsbury	0
Westtown	5.1
West Vincent	3.8
West Whiteland	10
Willistown	0.2
TOTAL	299.9

Trails in Chester County

the Circuit
Greater Philadelphia's Regional Trail Network
Existing Trails
Trails in Progress
Planned Trails
To Easton, the Poconos & Wilkes-Barre
To Bethlehem
To New Brunswick, Newark, and NYC
To Reading, Pottsville & Appalachian Tr.
To Harrisburg
To Wilmington, Baltimore, and Washington, DC
To Bridgeton
BUCKS
MONTGOMERY
MERCER
CHESTER
DELAWARE
PHILA
BURLINGTON
CAMDEN
GLOUCESTER
dvrpc
May 2012

The Circuit

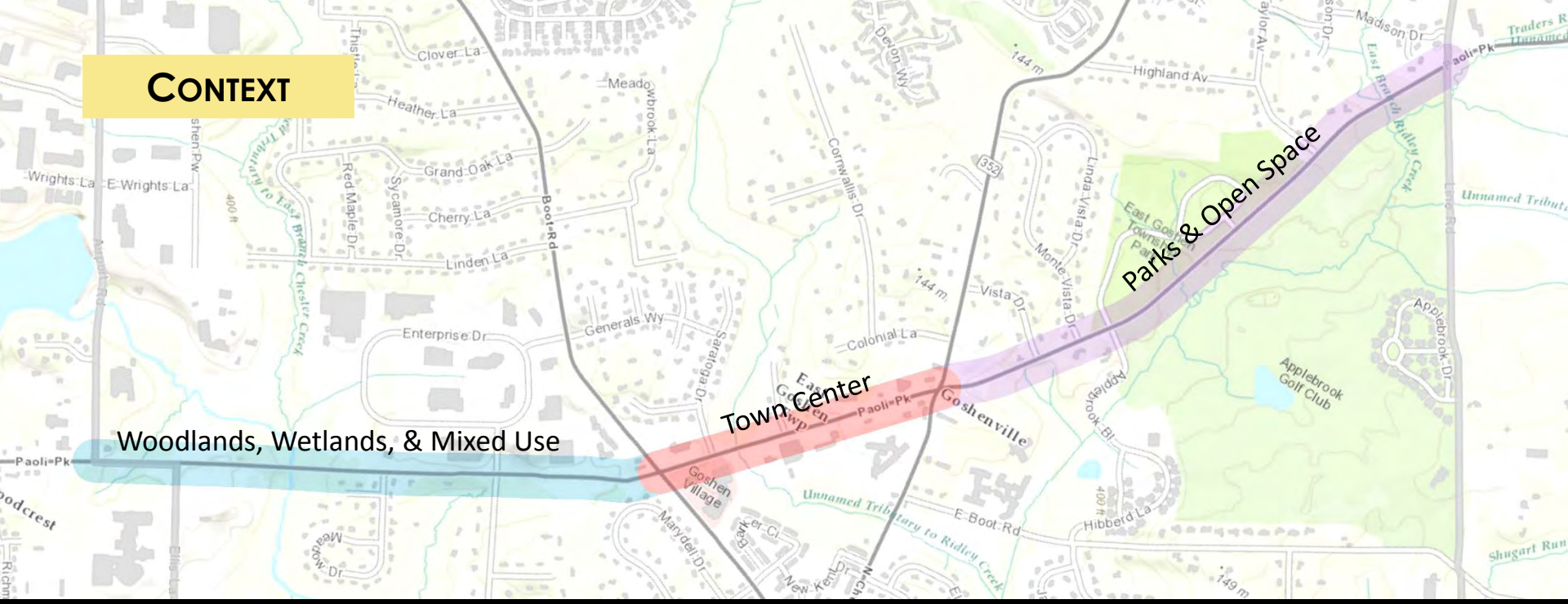


Future Trail Connections

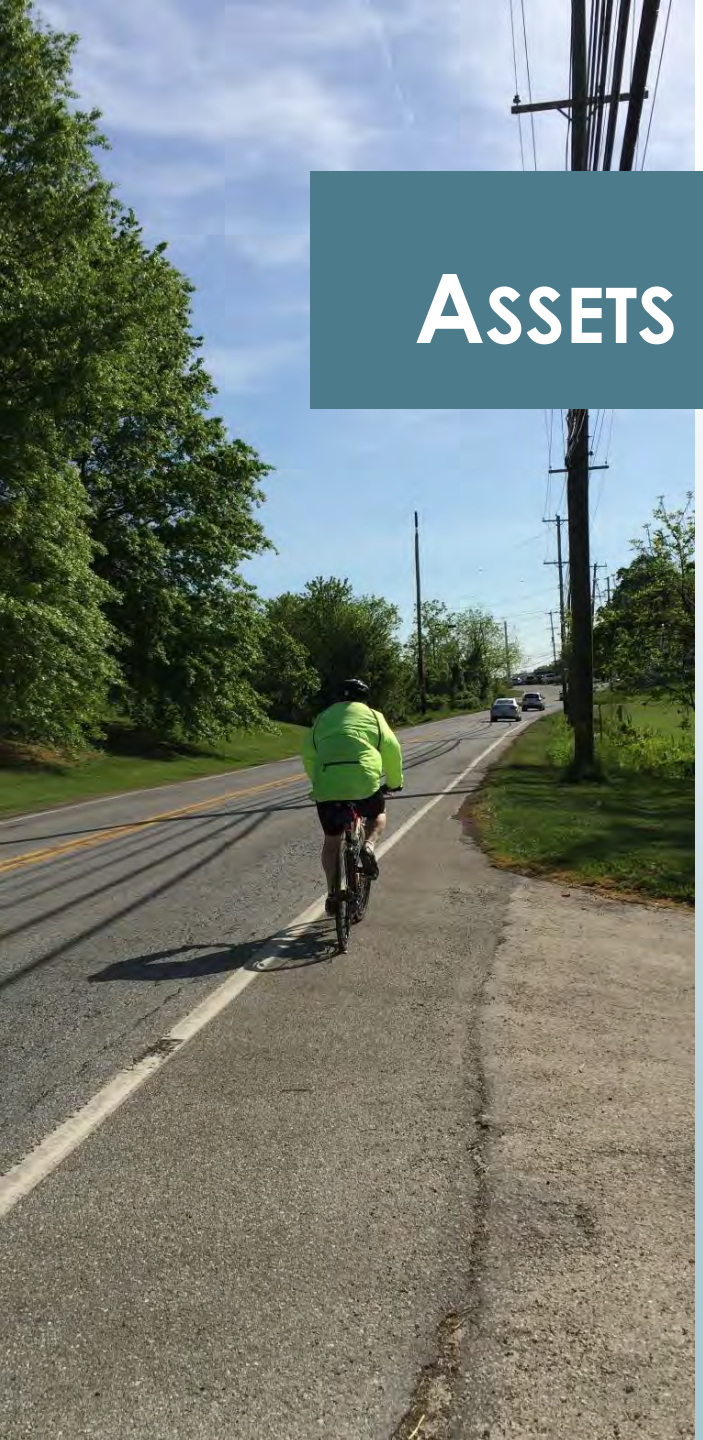
- Relevant plans and studies
- Land development plans
- Sewer plans
- Traffic signal permits
- Intersection improvement plans
- GIS data
- Traffic volume data
- PennDOT right-of-way plans
- Utilities
- Field inventory

Existing Conditions Analysis

Context

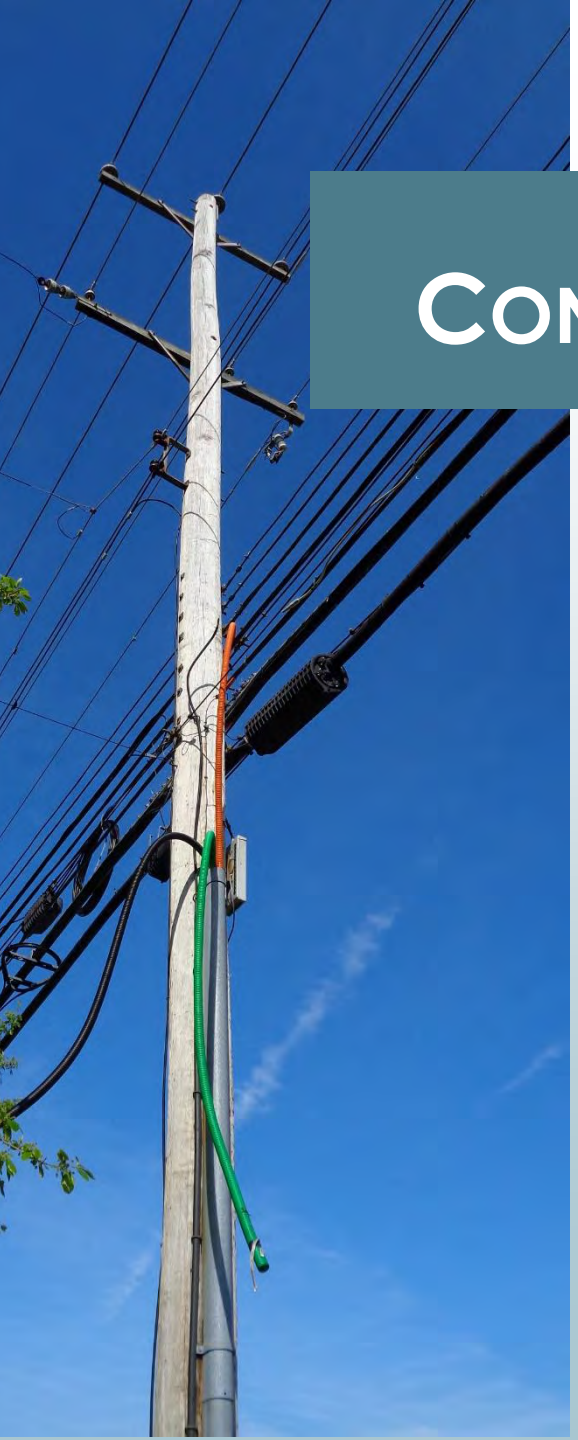


Paoli Pike Today



Assets & Opportunities

- Mix of land uses with many popular destinations for walking and biking trips, including schools, parks, shops, restaurants, and community facilities
- Adjacent residential developments
- Concentration of parkland
- Significant area of Township owned-land
- Existing trails and trail easements
- Opportunities for future regional trail connections



Constraints & Challenges

- High vehicular travel speeds and volumes
- Limited right-of-way
- Inconsistent roadway cross-section
- Steep slopes adjacent to the roadway
- Stormwater management facilities and basins adjacent to the roadway
- Overhead utility line parallel to the roadway
- Pipelines and other underground utilities
- Stream crossings with associated floodplains and wetlands
- Numerous driveways that are wide and closely spaced in some areas

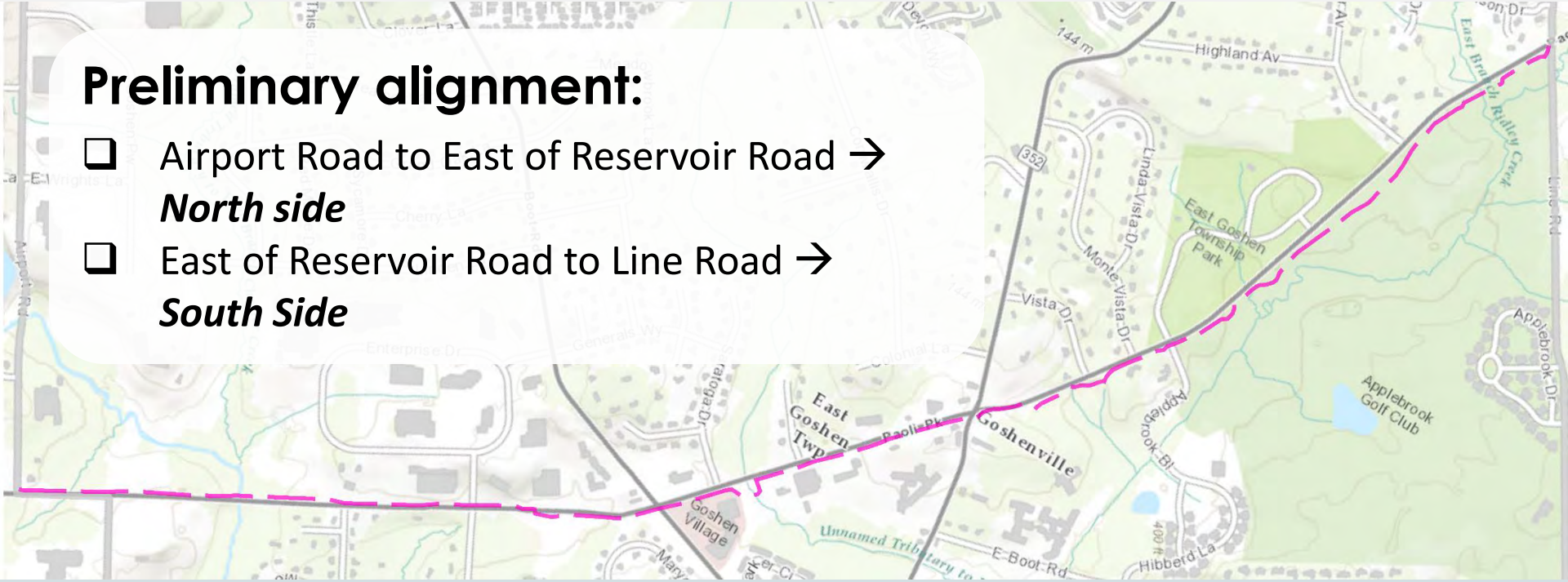
- No survey data
- No detailed engineering
- No funding identified for implementation

Specific property and business impacts are unknown at this time

Opportunity to provide input for the trail conceptual design

Township will continue to coordinate with residents, property owners, and business owners as the project advances to design and construction

POTENTIAL PROPERTY & BUSINESS IMPACTS



Preliminary alignment:

- ❑ Airport Road to East of Reservoir Road → ***North side***
- ❑ East of Reservoir Road to Line Road → ***South Side***

Evaluate preliminary alignment based on:

- ❑ Connectivity
- ❑ Safety
- ❑ Feasibility
- ❑ Constructability
- ❑ Environmental and cultural resources
- ❑ Right-of-way

ALTERNATIVES EVALUATION

- **Public Meeting** on June 16, 2015
  - *Open House: 6pm – 7pm*
  - *Presentation during Board of Supervisors Meeting: 7pm*

- **Trail Conceptual Plan**
  - *Public review and comment period: September 2015*

- **Draft Report**
  - *Public review and comment period: November/December 2015*
  - *Public Meeting: November/December 2015*

Next Steps & Opportunities for Input

EAST GOSHEN TOWNSHIP
PAOLI PIKE TRAIL STEERING COMMITTEE
MEETING MINUTES
June 9, 2015

The East Goshen Township Paoli Pike Trail Steering Committee held their Property Owners meeting on Thursday, June 9, 2015 at 7:00 pm at the East Goshen Township building.
The Trail Committee Members in attendance were:
Committee Members;
- Janet Emanuel, Township Supervisor, Committee Chair
- Chuck Proctor, Township Supervisor
- Monica Close, Planning Commission
- Don Zembruski, Commerce Commission
- Erich Meyer, Conservancy Board
- Chris Reardon, Historical Commission
- Monica Close, Planning Commission
- Lori Kier, Planning Commission

Township Staff:
- Rick Smith, Township Manager
- Mark Gordon, Zoning Officer
- Jason Lang, Dir. of Recreation

Consultants:
- Natasha Manbeck, McMahon
- Jamie Kouch, McMahon
- Lisa Thomas, Glackin Thomas Panzak

Business and Property Owners:
- Thirteen adjoining property owners and concerned residents were in attendance too.

Call to Order & Pledge of Allegiance
Janet called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our troops.

Project Overview
Ms. Manbeck made a presentation which covered the following:
1. Background and Goals
2. Scope of Work
3. Schedule
4. Role of the Trail Committee

Design Guidelines
Ms. Manbeck then presented the design criterial and guidelines for multi use trails siting some local examples. Natasha then presented their initial evaluation of Paoli Pike.

Existing Conditions
Ms. Manbeck presented the initial alignment recommendations to the committee. The Paoli Pike Trail Corridor was presented in segments; Airport Rd. to approximately Reservoir Rd, Reservoir Rd to Boot Rd., Boot Rd to N. Chester Rd. and N. Chester Rd to Line Rd.

Q and A:

Natasha opened the floor to questions from the participants.

Next Steps

Natasha discussed the general structure of the upcoming events:

1. Public Meeting on June 16, 2015
    a. Open House 6-7PM
    b. Presentation to Board of Supervisors 7-7:30 PM
5. Trail Committee Meeting #2: August 2015 (date to be determined)

Trail Alignment Review:

Natasha asked all the participants to look at the large trail alignment maps and to make comments and suggestions.

Adjournment

There being no further discussion, the meeting was adjourned at 8:40 pm.

Respectfully submitted,

Mark Gordon
Township Zoning Officer

Paoli Pike Trail Feasibility Study and Master Plan

Property and Business Owners Meeting #1

June 9, 2015

NOTES

Overall

- Consider the use of porous pavement
- Evaluate keeping the trail alignment on the north side between Reservoir Road and Boot Road
- Questions raised regarding property owner impacts, including whether the Township will consider providing a tax break for property owners that are directly impacted by the trail.

Airport Road to Reservoir Road

- High travel speeds in this area.
- The YMCA expanded parking area may be leased.
- The parking at the YMCA could possibly be used for trailhead parking.
- Pedestrian crossing time provided at the Airport Road intersection is short, especially for students.

Reservoir Road to Chester Road (PA 352)

- "Here is where the action is!"
- Concerns expressed regarding the Township's previous investments in the separate right-turn lane and sign on the Township owned triangle parcel at Boot Road and the impact of closing/shifting the turn lane to the intersection and having to move the sign for minimal benefit.
- Evaluate an alternative alignment from the Township Building to PA 352, particularly given the closely spaced commercial driveways and activity along this segment of Paoli Pike.
- Sunoco and CVS are key potential destinations for trail users and there should be better connections to the trail.
- Concerns expressed regarding impacts to private (residential) properties on the south side of Paoli Pike.
- Concerns expressed regarding the mid-block crossing and potential new signal, particularly how the signal would impact traffic flow and access for the adjacent residential driveway.
- Concerns expressed regarding impacts to the waterway on the south side and crossing the residential driveway.

PAOLI PIKE TRAIL
FEASIBILITY STUDY AND MASTER PLAN

Technical Coordination Meeting
PennDOT and Chester County Planning Commission

September 1, 2015

- ❑ **Introductions**

- ❑ **Project Overview**
  - Background
  - Schedule
  - Study Area
  - Alignment
  - Design Guidelines

- ❑ **Draft Trail Conceptual Plan**
  - Key questions

2013

Central Chester County Bicycle and Pedestrian Plan

- *Identified a multi-use trail along Paoli Pike in East Goshen Township as Priority Project H*

2014

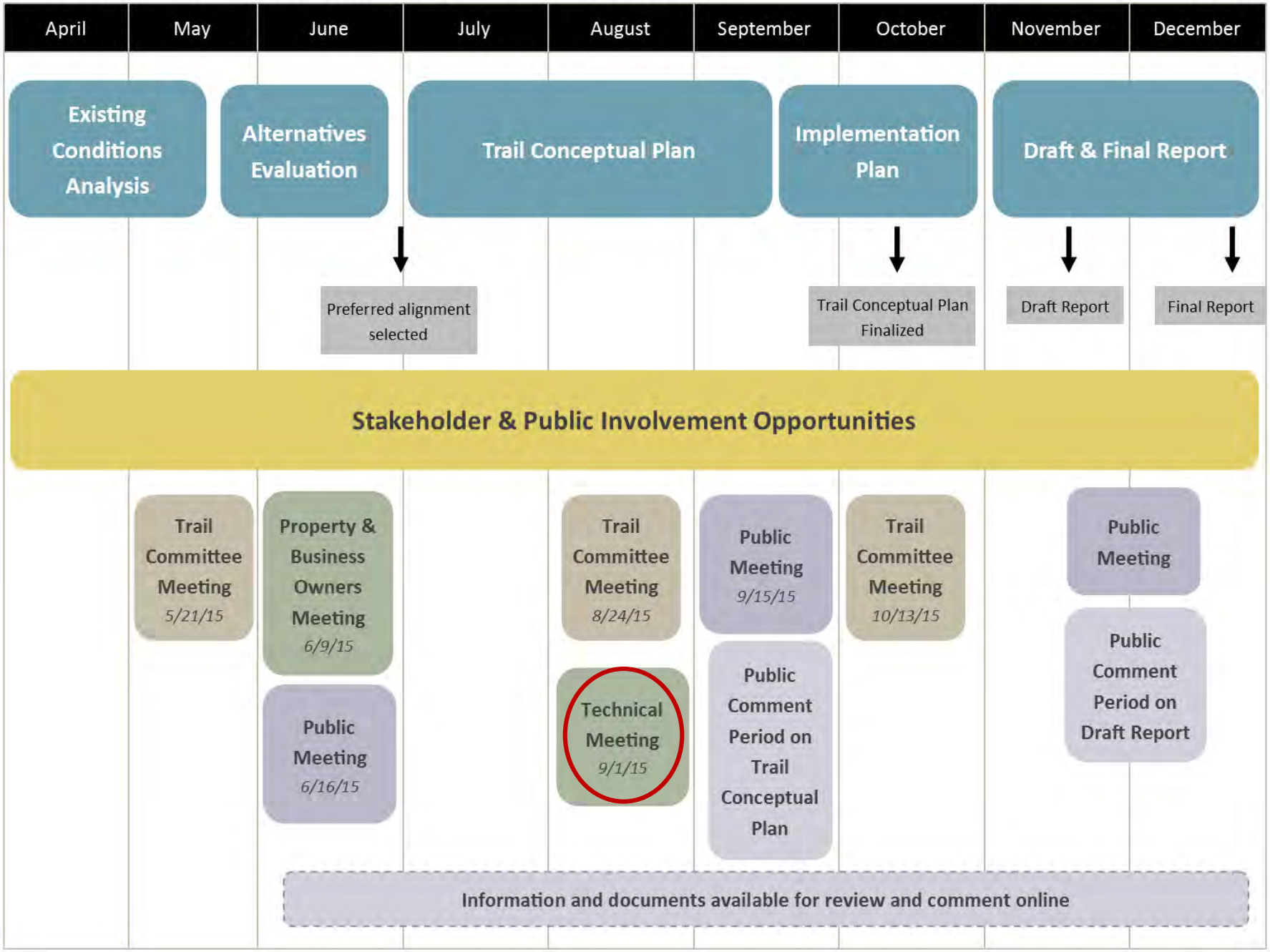
Greenways, Trails, and Recreation Program (GTRP) Award

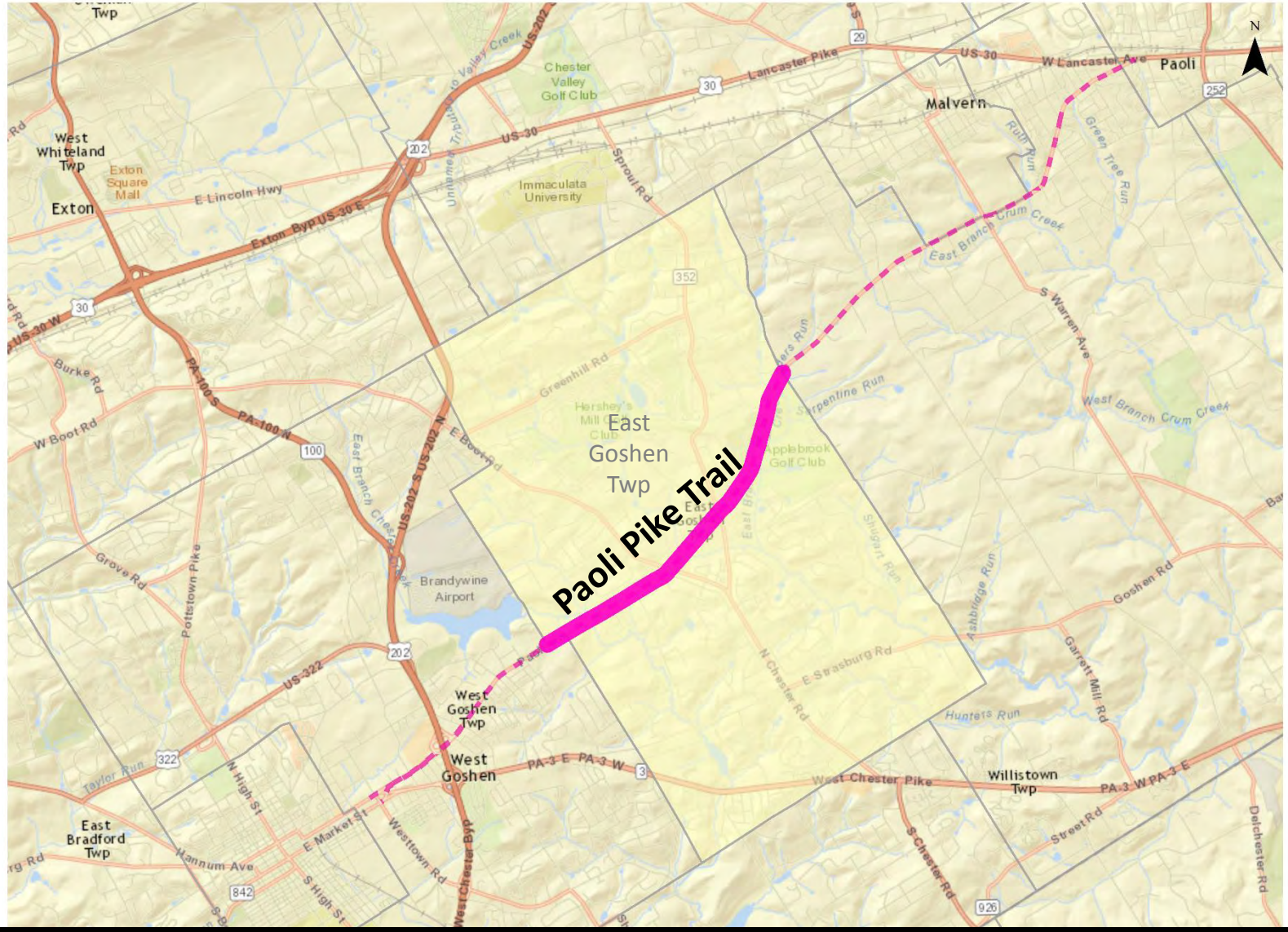
- *East Goshen Township awarded $52,500 grant from the Commonwealth Financing Authority for the Paoli Pike Trail - Feasibility Study and Master Plan*

BACKGROUND

Paoli Pike Trail—Feasibility Study and Master Plan

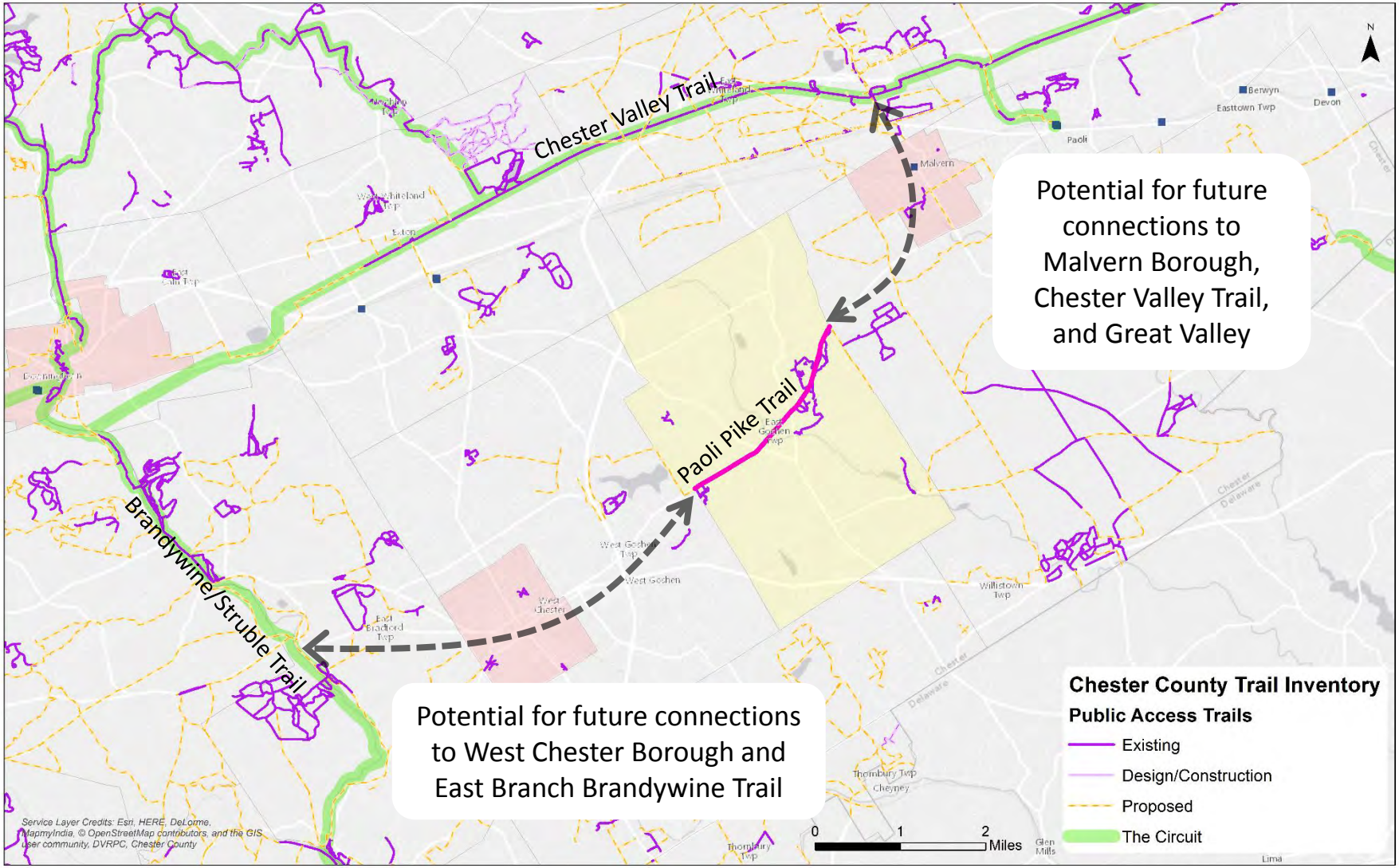
Schedule





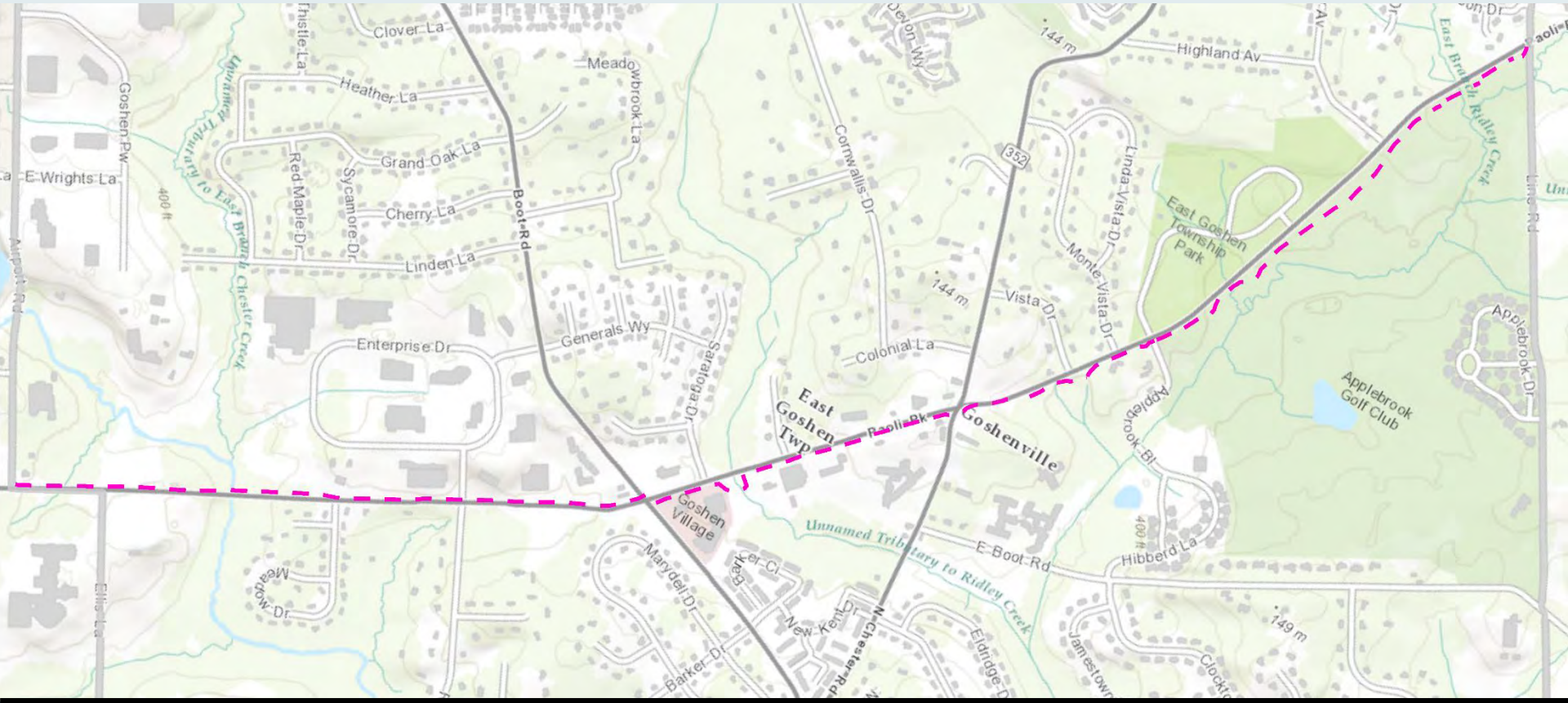
PAOLI PIKE (SR 2014)

Limits	Airport Road to Line Road
Length	2.7 miles
Classification	Community Arterial
ADT	11,000 - 14,000
Posted Speed Limit	35 MPH



Future Trail Connections

- ❑ Airport Road to Boot Road → North side
- ❑ Boot Road to Line Road → South Side



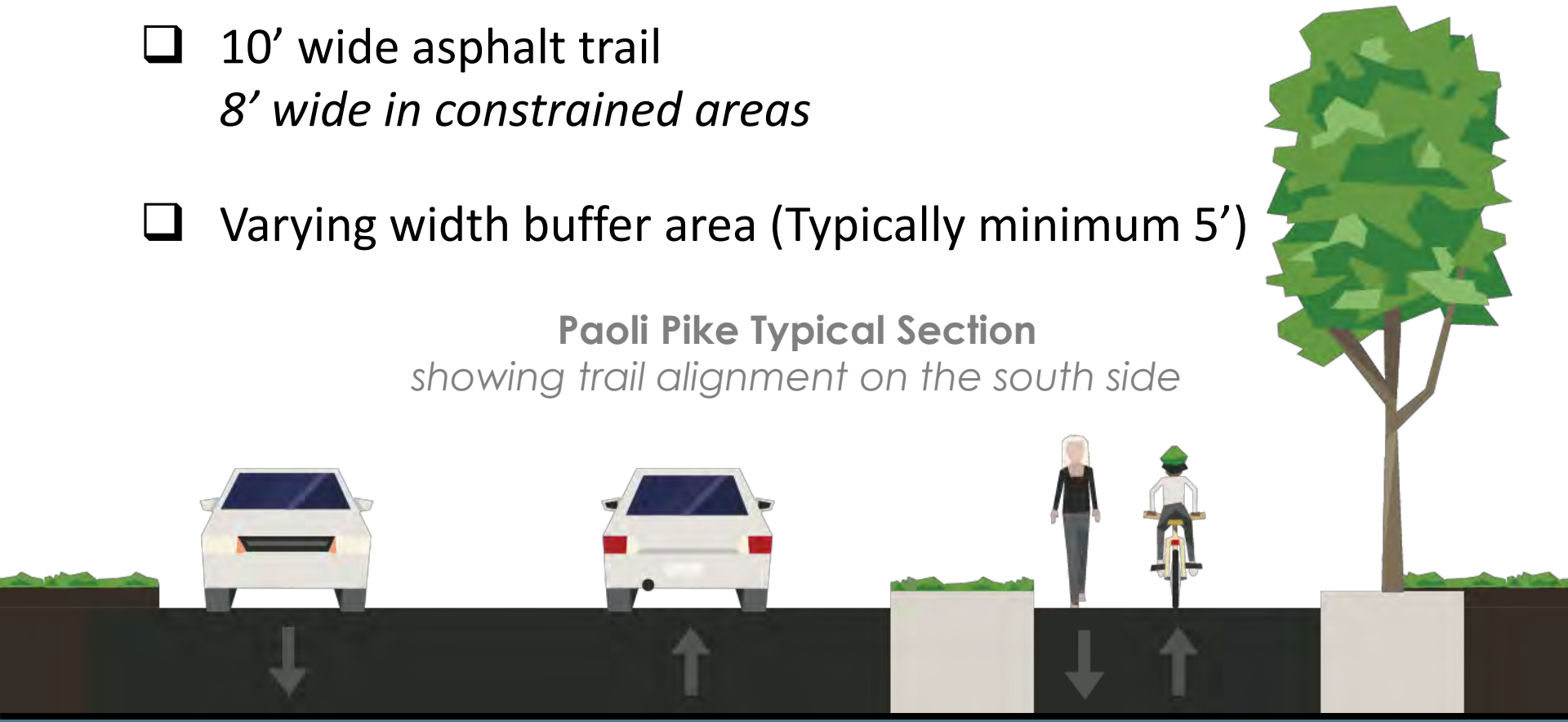
Preferred Alignment

TABLE 1.4 (ENGLISH)
MATRIX OF DESIGN VALUES – COMMUNITY ARTERIAL

	Community Arterial	Rural	Suburban Neighborhood	Suburban Corridor	Suburban Center	Town/Village Neighborhood	Town/Village Center	Urban Core
Roadway	Lane Width [1]	11' to 12'	10' to 12'	11' to 12'	10' to 12'	10' to 12'	10' to 12'	10' to 12'
	Shoulder Width [2, 3]	8' to 10'	4' to 8' (if No Parking or Bike Lane)	8' to 10'	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)	4' to 6' (if No Parking or Bike Lane)
	Parking Lane	NA	7' to 8' Parallel	NA	8' Parallel	7' to 8' Parallel	7' to 8' Parallel	7' to 8' Parallel
	Bike Lane [4]	NA	5' to 6' (if No Shoulder)	5' to 6' (if No Shoulder)	5' to 6'	5' to 6'	5' to 6'	5' to 6'
	Median (if needed)	4' to 6'	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians	16' to 18' for Left Turn 12' to 18' for Left Turn; 6' to 8' for Pedestrians
	Curb Return [5]	25' to 50'	25' to 35'	25' to 50'	20' to 40'	15' to 30'	15' to 35'	15' to 40'
	Travel Lanes	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4
	Cross Slopes (Minimum) [6, 7]	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%	2.0%
	Cross Slopes (Maximum) [8]	8.0%	6.0%	6.0%	6.0%	6.0%	6.0%	6.0%
	Bridge Widths [9, 10, 16, 17]	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side	Lane Widths Plus Shoulders Each Side
	Vertical Grades (Minimum) [11]	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%	0.5%
	Vertical Clearance (Minimum)	16'-6", See Chapter 2	16'-6", See Chapter 2	16'-6", See Chapter 2	16'-6", See Chapter 2	16'-6", See Chapter 2	16'-6", See Chapter 2	16'-6", See Chapter 2
Roadside [12]	Clear Sidewalk Width	NA	5'	5' to 6'	6'	6' to 8'	6' to 10'	8' to 14'
	Buffer [13]	NA	6'+	5' to 10'	4' to 6'	4' to 6'	4' to 6'	4' to 6'
	Shy Distance	NA	NA	NA	0' to 2'	0' to 2'	2'	2'
	Total Sidewalk Width	NA	5'	5' to 6'	10' to 14'	10' to 16'	12' to 18'	14' to 22'
	Clear Zone Widths [14]	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12	See Chapter 12
	Right-of-Way Widths [15]	Varies	Varies	Varies	Varies	Varies	Varies	Varies
Speed	Desired Operating Speed (Design Speed)	35-55 mph	30-35 mph	35-50 mph	30 mph	25-30 mph	25-30 mph	25-30 mph
	Stopping and Passing Sight Distances (Minimum)	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1	2004 AASHTO Green Book, Exhibit 7-1
	Vertical Grades (Maximum)	2004 AASHTO Green Book, Exhibit 7-2	2004 AASHTO Green Book, Exhibit 7-10	2004 AASHTO Green Book, Exhibit 7-10	2004 AASHTO Green Book, Exhibit 7-10	2004 AASHTO Green Book, Exhibit 7-10	2004 AASHTO Green Book, Exhibit 7-10	2004 AASHTO Green Book, Exhibit 7-10

- Based on AASHTO's *Guide for the Development of Bicycle Facilities*
- 10' wide asphalt trail
  8' wide in constrained areas
- Varying width buffer area (Typically minimum 5')

Paoli Pike Typical Section
showing trail alignment on the south side



PAOLI PIKE TRAIL CONCEPT

Key Questions

- ❑ Boot Road intersection
- ❑ Mid-block crossing or connection west of SR 352
- ❑ Fences approved for separation of the trail from the roadway

DRAFT TRAIL CONCEPTUAL PLAN

McMAHON
TRANSPORTATION ENGINEERS & PLANNERS

McMAHON ASSOCIATES, INC.
840 Springdale Drive | Exton, PA 19341
p 610-594-9995 | f 610-594-9565
mcmahonassociates.com

PRINCIPALS
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John S. DePalma
William T. Steffens
Casey A. Moore, P.E.
Gary R. McNaughton, P.E., PTOE

ASSOCIATES
John J. Mitchell, P.E.
Christopher J. Williams, P.E.
R. Trent Ebersole, P.E.
Matthew M. Kozsuch, P.E.
Maureen Chlebek, P.E., PTOE

MEETING MINUTES

PAOLI PIKE (SR 2014) TRAIL –
MASTER PLAN AND FEASIBILITY STUDY
PENNDOT DISTRICT 6-0 TECHNICAL METING
MEETING DATE: SEPTEMBER 1, 2015
MCMAHON PROJECT NO. 815048.11

List of Attendees:

Fran Hanney (FH), PennDOT District 6-0 Traffic Unit
John Otten (JO), PennDOT District 6-0 Traffic Unit
Steve Dunlop (SD), PennDOT District 6-0 Plans Unit
Paul Lutz (PL), PennDOT District 6-0 Signals Unit
Brian Styche (BS), Chester County Planning Commission
Mark Gordon (MG), East Goshen Township
Rick Smith (RS), East Goshen Township
Natasha Manbeck (NM), McMahon Associates, Inc.
Jamie Kouch (JK), McMahon Associates, Inc.
Daniel Wanger (DW), McMahon Associates, Inc.

A meeting was held at Engineering District 6-0 of the Pennsylvania Department of Transportation to discuss the technical aspects of the above referenced project. The following is a summary of the meeting.

- NM introduced the project through a short PowerPoint presentation to provide background project information, the project schedule, a summary of the study area, the proposed trail alignment, and the project's design guidelines.

- NM presented a PDF of the conceptual design plan beginning at the western terminus of the project, at Airport Road.

- JO asked what kind of right-of-way or easements would be required to construct this trail. NM explained that trail easements would be required from all property owners. NM and MG explained that while the trail length is very long, there are relatively few individual parcels and that many owners (corporate parks, commercial land uses) support or would benefit from the construction of a trail.

- There was discussion relating to the Paoli Pike/Ellis Lane intersection near West Chester East High School. FH recommended only providing one pedestrian crossing of Paoli Pike on the right (east) side of Ellis Lane

- Furthermore, FH suggested eliminating the proposed pork-chop island at the egress in order to convert the intersection to a traditional "T" with 2 lane approach on Ellis Lane. He also stated that it would be necessary to review the conflict between the left-turns and pedestrian traffic before providing crossings of additional legs at this intersection. *After the meeting, McMahon evaluated the option of removing the proposed pork-chop island on the Ellis Lane egress to convert the intersection to a traditional "T" with a 2 lane approach on Ellis Lane. It was determined that eliminating this island would require that the pedestrian crossing over Paoli Pike be located further to the east, which would have an adverse effect on the westbound left-turn lane storage length and the traffic operations at the intersection. As a result, this design revision has not been reflected on the concept plan. Further operational evaluation of this intersection will need to be pursued during the preliminary engineering of the project. A note has been added to the concept plan starting that further evaluation of all signalized intersections will be required during the preliminary engineering stages of the project(s). A revised concept plan (presented at the Township Board of Supervisors Meeting on 9/15/15) is available on the Township's website at: http://eastgoshen.org/wp-content/uploads/2015/06/2015-09-11-Exhibit-Trail-Plan.pdf*

- The group discussed the use of fencing along Paoli Pike to separate trail users from steep slopes and the adjacent horse farm. NM explained that a double fence is required to separate the trail from the horse farm on the north side of Paoli Pike, and that the Township desires a fence to be provided between the trail and the roadway where a steep drop to the roadway exists. NM did mention that this fence is technically not required per *AASHTO Guide for the Development of Bicycle Facilities*, 2012 guidelines.

- SD suggested the use of vinyl ribbon fencing (similar to what was recently installed on the 202 Parkway Project) to separate trail users from the roadway where required. The aesthetics of the fence can be determined by the Township.

- FH stated that no split rail fence or pipe fence can be used between roadway and trail because these styles of fence act as fixed objects and can be hazardous to motorists.

- FH and SD stated that at the horse farm, sight distance of motorists and trail users must be considered. SD stated that the end fence sections can be dropped downward to improve sight distance.

- The group came to the consensus that split rail or similar fencing is OK for separating between the trail and horse farm, as this area is likely outside of the clear zone and on top of an embankment. It is unlikely to be hit by a vehicle.

- The design discussion moved to the intersection of Paoli Pike and Reservoir Road. DW explained that the existing wide shoulder on the west side of Reservoir Road would be reduced to 5' wide (meeting 3R criteria for this roadway), the existing lane widths (12' typical) would be maintained, and that a 5' wide grass buffer would be provided between the edge of shoulder pavement and the trail. FH stated that he finds this design approach acceptable.

- The provision of medians within Paoli Pike was discussed. FH stated that a maintenance agreement with the Township will be necessary for any decorative/landscaping treatments, and that any raised median curbing must be mountable. Hardscape or pavers are recommended decorative materials, but FH stated that river rocks would not be permitted. It was also stated that flush street printing/stamped asphalt could be considered within the town center area, but the maintenance of such would need to be evaluated (i.e. the life-span of the Paoli Pike wearing course installed/maintained by PennDOT vs. the life-span of the stamped asphalt installed/maintained by the Township). FH indicated that vehicular stacking for driveways should be considered when evaluating flush medians.
  Based on further discussion with the Township, the plan has been modified to reflect flush stamped asphalt medians in the town center area (between Boot Road and SR 0352). These medians would still be driveable and act as a center left-turn lane like existing conditions. Photographic samples are included in the update draft trail conceptual plan available on the Township's website.

- FH stated that if an additional raised median is to be provided on the west side of Reservoir Road, it must be ensured that the existing driveway to the west is not blocked.

- The intersection of Paoli Pike and Boot Road (SR 2020) was discussed. FH stated that PennDOT would be open to options for modifying the intersection (signal timing and phasing, signal heads for the channelized right-turn movements, modification of islands and radii) to improve trail user access/safety provided that LOS at this intersection is not degraded.

- FH stated that crossings at all four corners must be maintained and that the project should ensure a connection is provided between the curb ramps on the SW corner of the intersection (Township triangle property corner). *It is noted that compliant curb ramps and a sidewalk connection were installed on this corner of the intersection as part of the Paoli Pike Closed Loop Traffic Signal Project (ECMS No. 60703, August 2010) and this corner will not be affected by the project.*

- FH stated that PennDOT has no objection to the Township using the triangle property on the southwest corner of the intersection, but PennDOT will not approve any public driveways or parking at this location.

- FH supports increasing the size of the channelization island (shopping center corner) to provide more room for trail users. It was discussed that eliminating this island would increase walk distance and most likely affect the vehicular operation at this intersection.

- The Paoli Pike segment from the signalized shopping center access to N. Chester Road (SR 0352) was discussed. SD noted that 14′ curb lane is typically preferred to accommodate cyclists, and likewise a 4′ shoulder is typically preferred. JK stated that PennDOT DM-2 guidelines for this land use and highway classification, 10′ wide lanes are acceptable, however FH stated that 11′ (min.) lanes would be required to facilitate truck turns. MG and RS stated that the township building does receive occasional truck traffic. The group ultimately came to the consensus that the proposed Paoli Pike cross section in this area is acceptable:
    - Maintain existing westbound shoulder
    - 11′ westbound through lane
    - 11′ center left-turn lane
    - 13′ eastbound curbed lane
    - 5′ grass buffer area
    - 8′ trail

- BS asked why the lanes were being narrowed and that only an 8′ wide trail was to be provided in this area. DW explained that there was a utility pole line along the south side of Paoli Pike through this area, and this design was pursued to attempt to minimize the number of required utility pole relocations. The trail is proposed on the north side of the existing utility poles. SD stated that 8 feet is the minimum acceptable width per AASHTO, to be used in constrained conditions. He further explained that if the buffer area is less than 5 feet in width, a fence would be required to separate the trail users from the road.

- NM stated that the trail committee wanted to consider the provision of a midblock crossing of Paoli Pike between the Sproul Road and Shopping Center traffic signals. FH stated that if a midblock crossing is desired the crossing requirements in PennDOT Publication 46 should be reviewed. Based on existing conditions, no island/median can be provided.

- The group discussed the trail crossing of the Wawa Driveway. NM stated that the concept plan shows reducing the width of the driveway to match the approved land-development plan (36′). FH agreed with this width. He also stated that a DWS would be required on each side of this driveway. The group discussed the provision of trail

crossing signs for Wawa driveway facing motorists. SD stated that alternate driveway treatments, such as colored paint, could be considered.

- NM explained the trail design in the vicinity of the Park Entrance and Chamber of Commerce Building. DW indicated that the existing lane widths and shoulder would be maintained, and that a reduced buffer area with pedestrian fence would be provided. FH stated that he finds this design approach acceptable.

- Trail agreements between PennDOT and the Township were discussed. SD stated that PennDOT does not utilize Highway Occupancy Agreements (HOA's) for trails and that Shared-Use Trail Maintenance Agreements are used instead. While the language of these agreements frequently changes, a sample could be obtained from the District 6-0 Permits office.

- FH stated if the trail is not in PennDOT ROW, then the trail design would typically be left up to the project sponsor. However, an exception to this would be if the project was to be funded with PennDOT oversight.

- It was suggested to consider completing shared-use trail agreement for entire trail length ahead of time, in lieu of completing piecemeal as segments are completed.

NGM/dhw
cc: McMahon File

I:\eng\815048\Correspondence\PennDOT\2015-9-1 Technical Meeting 1 Minutes.doc

PAOLI PIKE TRAIL
FEASIBILITY STUDY AND MASTER PLAN

Patriots Path Task Force Meeting

September 15, 2015

2013

Central Chester County Bicycle and Pedestrian Plan

- *Identified a multi-use trail along Paoli Pike in East Goshen Township as Priority Project H*

2014

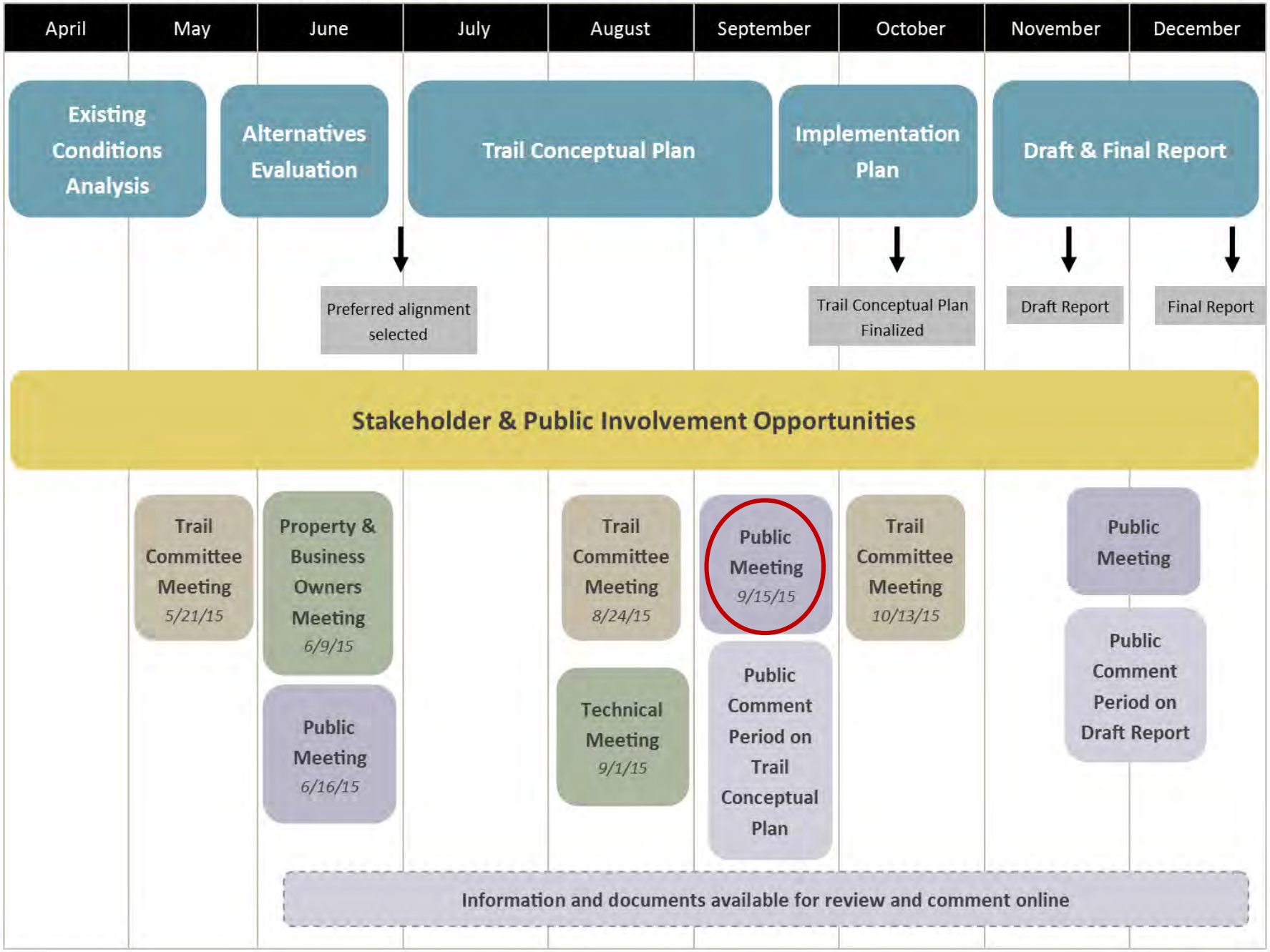
Greenways, Trails, and Recreation Program (GTRP) Award

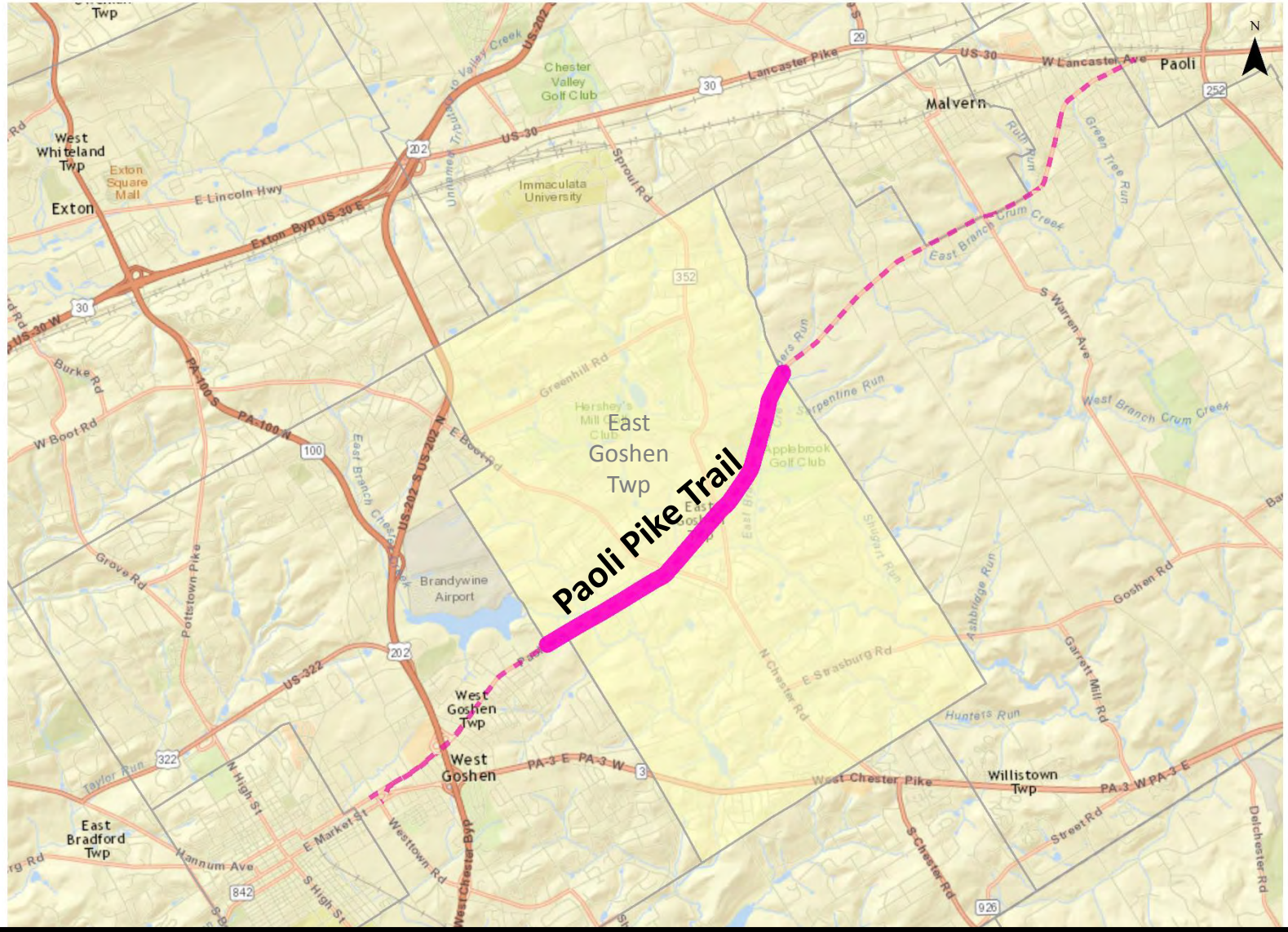
- *East Goshen Township awarded $52,500 grant from the Commonwealth Financing Authority for the Paoli Pike Trail - Feasibility Study and Master Plan*

BACKGROUND

Paoli Pike Trail—Feasibility Study and Master Plan

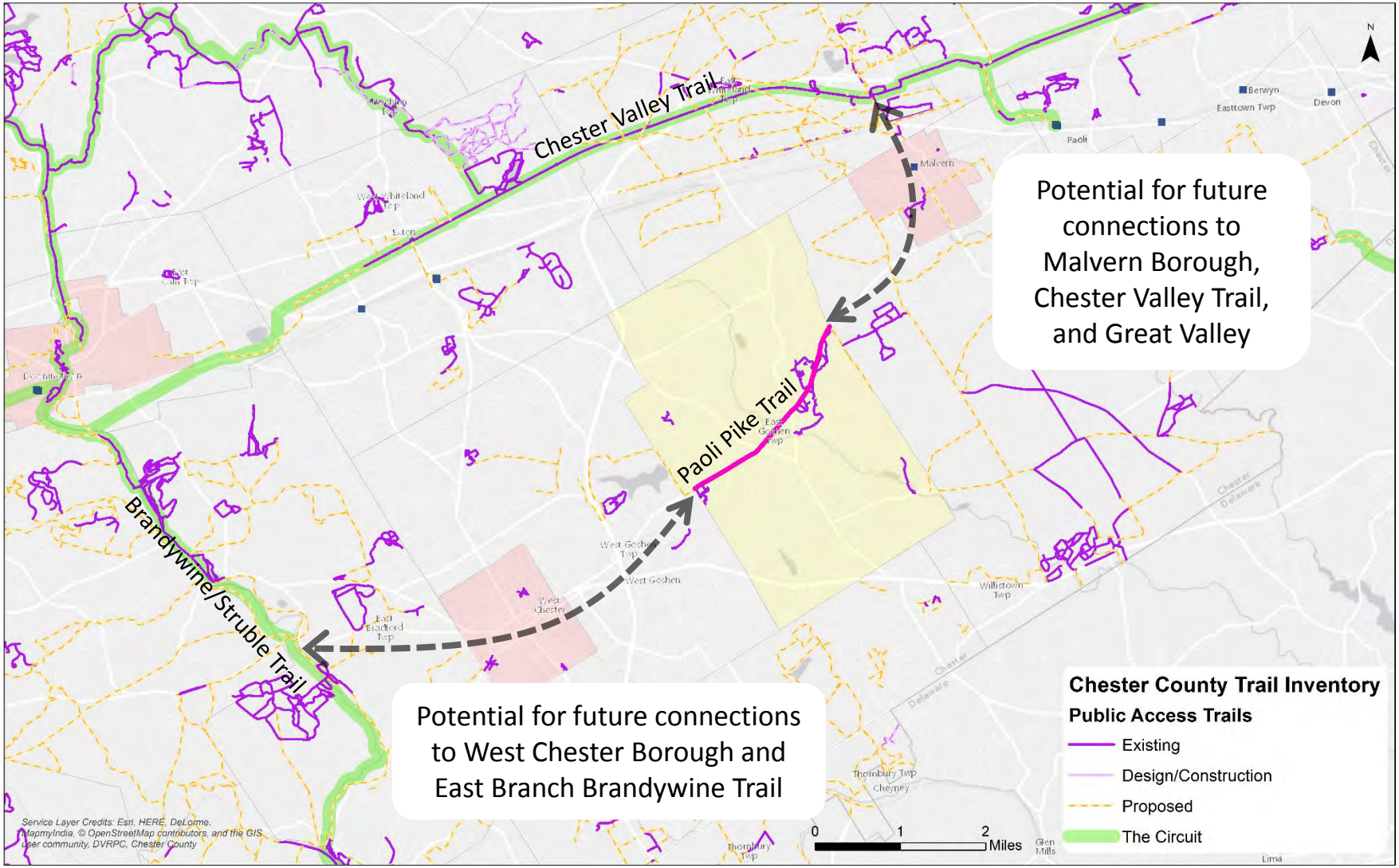
Schedule





PAOLI PIKE (SR 2014)

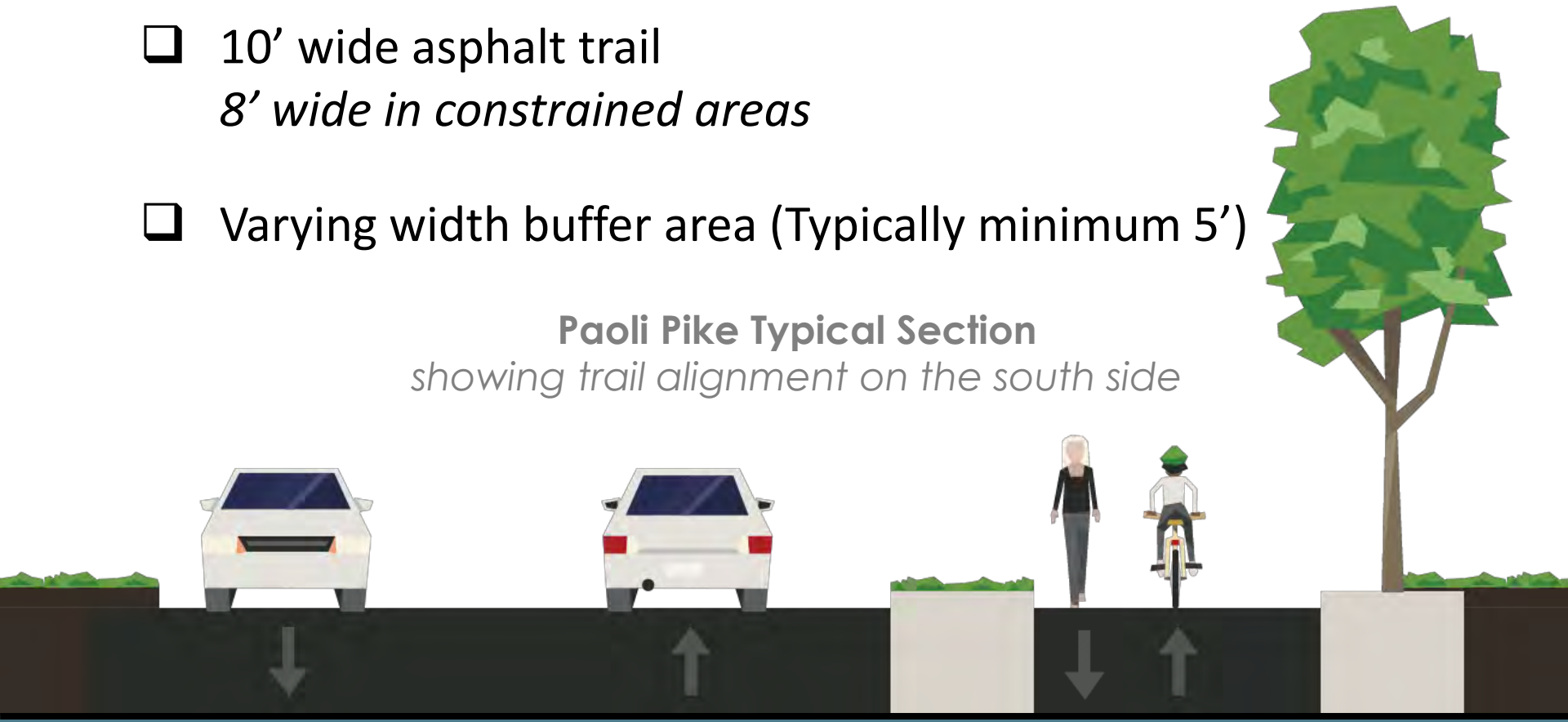
Limits	Airport Road to Line Road
Length	2.7 miles
Classification	Community Arterial
ADT	11,000 - 14,000
Posted Speed Limit	35 MPH



Future Trail Connections

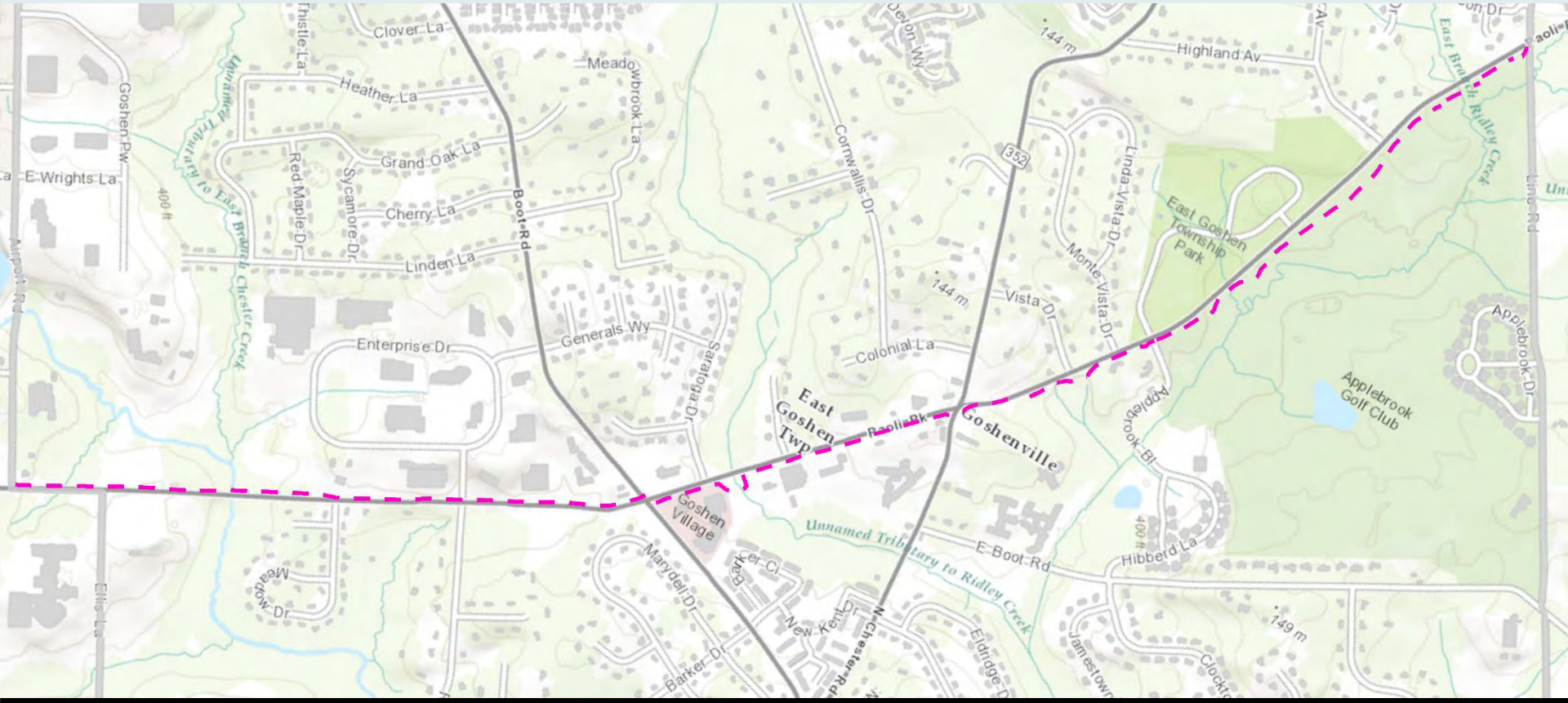
- Based on AASHTO's *Guide for the Development of Bicycle Facilities*
- 10' wide asphalt trail
  8' wide in constrained areas
- Varying width buffer area (Typically minimum 5')

Paoli Pike Typical Section
showing trail alignment on the south side

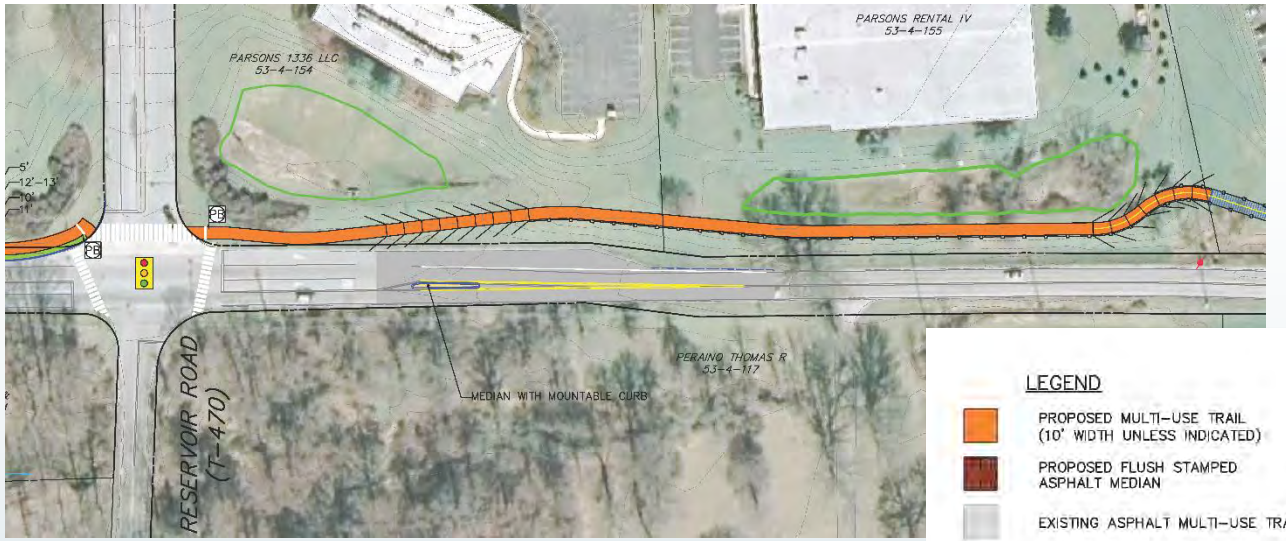


PAOLI PIKE TRAIL CONCEPT

- ❑ Airport Road to Boot Road → North side
- ❑ Boot Road to Line Road → South Side



Preferred Alignment



LEGEND

- PROPOSED MULTI-USE TRAIL (10' WIDTH UNLESS INDICATED)
- PROPOSED FLUSH STAMPED ASPHALT MEDIAN
- EXISTING ASPHALT MULTI-USE TRAIL
- PROPOSED TRAIL BOARDWALK
- PROPOSED ROADWAY MILL & OVERLAY
- PROPOSED NEW GRASS BUFFER AREA
- PROPOSED CEMENT CONCRETE/PAVER MATERIAL
- PROPOSED CURB
- PROPOSED EDGE OF PAVEMENT
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SAFETY RAIL (FENCE)
- PROPOSED SIGN
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING PAVEMENT MARKINGS
- EXISTING CONTOUR (2 FOOT INTERVAL)
- EXISTING SWM FACILITY LIMITS (APPROXIMATE)
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- EXISTING UTILITY POLE

- ST TRAIL USER STOP SIGN
- SV VEHICULAR STOP SIGN
- PB PUSH BUTTON SIGN
- TX TRAIL CROSSING WARNING SIGN WITH ARROW
- YH VEHICULAR YIELD HERE SIGN

NOTES:

1. EXISTING CONDITIONS DEPICTED ON THE CONCEPTUAL DESIGN EXHIBIT ARE BASED ON GIS DATA RECEIVED FROM EAST GOSHEN TOWNSHIP AND CHESTER COUNTY, AND HAVE BEEN SUPPLEMENTED WITH AERIAL PHOTOGRAPHY AND LIMITED FIELD MEASUREMENTS ONLY.

2. LEGAL RIGHT-OF-WAY LINES AND PROPERTY LINES ARE ESTIMATED BASED ON DATA RECEIVED FROM EAST GOSHEN TOWNSHIP AND CHESTER COUNTY. LEGAL RIGHT-OF-WAY LINES OR PROPERTY LINES HAVE NOT BEEN INDEPENDENTLY VERIFIED THROUGH FIELD SURVEY OR TITLE/DEED RESEARCH.

3. FURTHER OPERATIONAL EVALUATION OF SIGNALIZED INTERSECTIONS IS REQUIRED DURING PRELIMINARY ENGINEERING OF THE PROJECT.

4. DETAILED SIGNING AND STRIPING DESIGN AND PLANS SHALL BE DEVELOPED DURING PRELIMINARY ENGINEERING OF THE PROJECT.

DRAFT

9/11/15

DRAFT TRAIL CONCEPTUAL PLAN

Next Steps

- **Draft Trail Concept Plan - *Public Review and Comment Period***
  - *Public Meeting: September 15, 2015*
    6:30pm Open House and 7pm Presentation
  - *Draft Concept Plan available online and at the Township Building*
  - *Comments accepted through September 30, 2015*

    Mark Gordon, Director of Code Enforcement / Zoning Officer
    610-692-7171
    mgordon@eastgoshen.org

- **Photographic Renderings**

- **Trail Committee Meeting #3**
  - *October 13, 2015 at 7pm*
  - *Finalize Trail Concept Plan*
  - *Discuss Draft Implementation Plan*

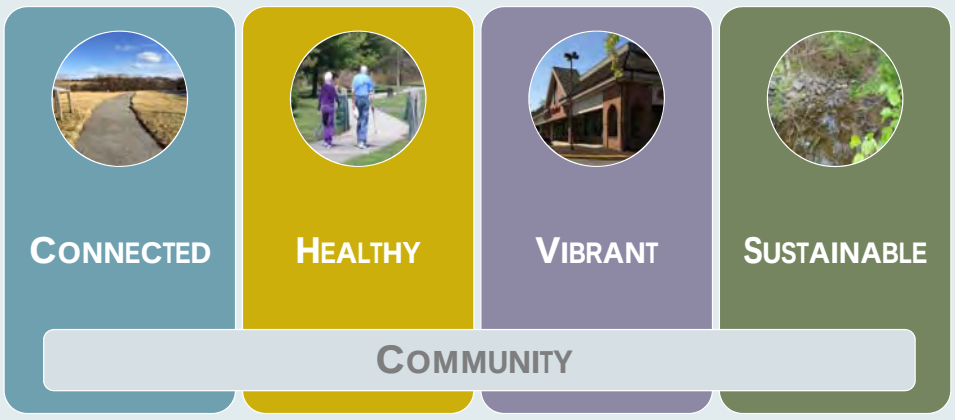
- **Draft Report**
  - *Public Meeting and Comment Period: November/December 2015*

Paoli Pike Trail Feasibility Study & Master Plan

Project Area: Paoli Pike between Airport Road and Line Road

Project Purpose: Provide a safe, convenient, and continuous connection for people of all ages and abilities to walk and bike between key destinations along Paoli Pike in East Goshen Township.

Project Goals: Support a connected, healthy, vibrant, and sustainable community.



Project Background

2013 — Central Chester County Bicycle and Pedestrian Plan

- *Identified a multi-use trail along Paoli Pike in East Goshen Township as a priority project*

2014 — Greenways, Trails, and Recreation Program (GTRP) Award

- *East Goshen Township awarded $52,500 grant from the Commonwealth Financing Authority for the Paoli Pike Trail - Feasibility Study and Master Plan*

2015 — Comprehensive Plan Update

- *Expand recreational facilities*
- *Enhance linkages to the Park*
- *Expand pedestrian circulation (along Paoli Pike)*
- *Promote walkability (in Town Center)*
- *Paoli Pike greenway*

2015 — Parks, Recreation, and Open Space Plan Update

- *Trails, Trails, Trails – Identified as a high priority*
- *Includes a Paoli Pike Multipurpose Path Assessment Report*
- *Key action Item: Develop a master plan and construction documents for the Paoli Pike Multi-Use Trail.*

What is a Multi-Use Trail?

- Off-road facility
- Accommodates multiple types of users, such as both bicyclists and pedestrians
- Often asphalt or crushed stone surface material
- ADA Compliant

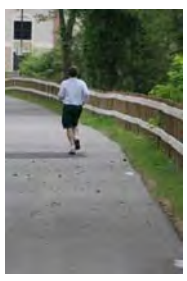
Buffer Area	Trail Width
5’ – 6’ *4’ permissible with a barrier*	10’ – 12’ *8’ permissible in certain situations*

Based on American Association of State Highway and Transportation Officials (AASHTO) Guide for the Development of Bicycle Facilities, 4th Edition

Existing Trails in Chester County

Struble Trail

Schuylkill River Trail



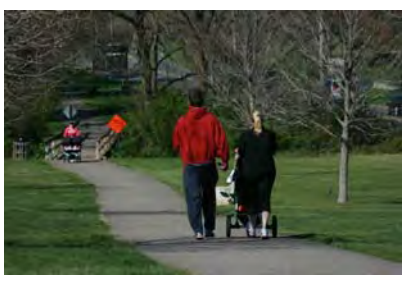
Chester Valley Trail

Park Road Trail
Upper Uwchlan Township

East Branch Brandywine Trail
East and West Bradford Townships

Uwchlan Trail
Uwchlan Township

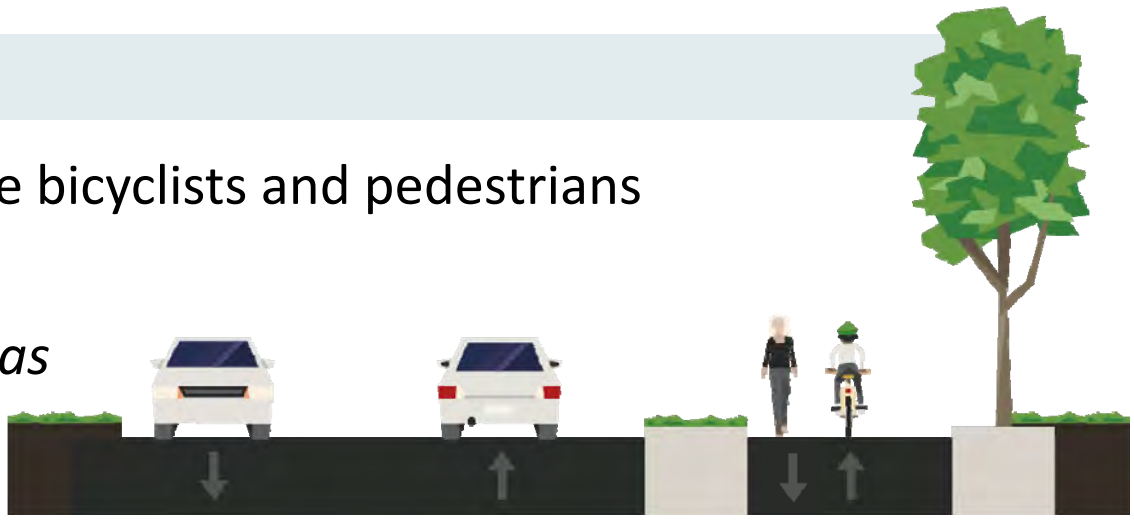
Existing Trails in East Goshen Township



Applebrook Park has existing 9’ wide asphalt trails to support both bicyclists and pedestrians.

Paoli Pike Trail Concept

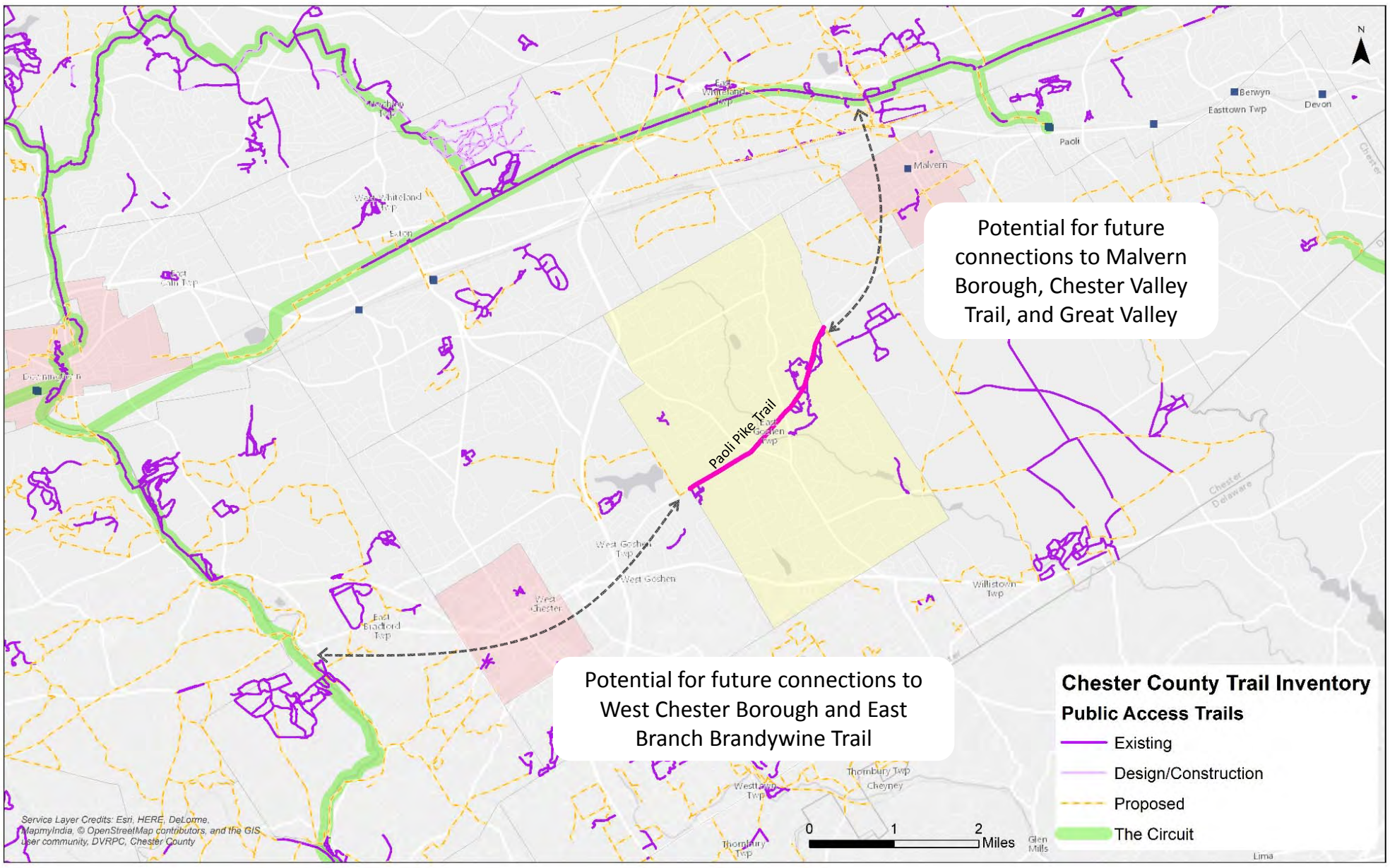
- Designed to accommodate bicyclists and pedestrians
- 10’ wide asphalt trail
  8’ wide in constrained areas
- Varying width buffer area



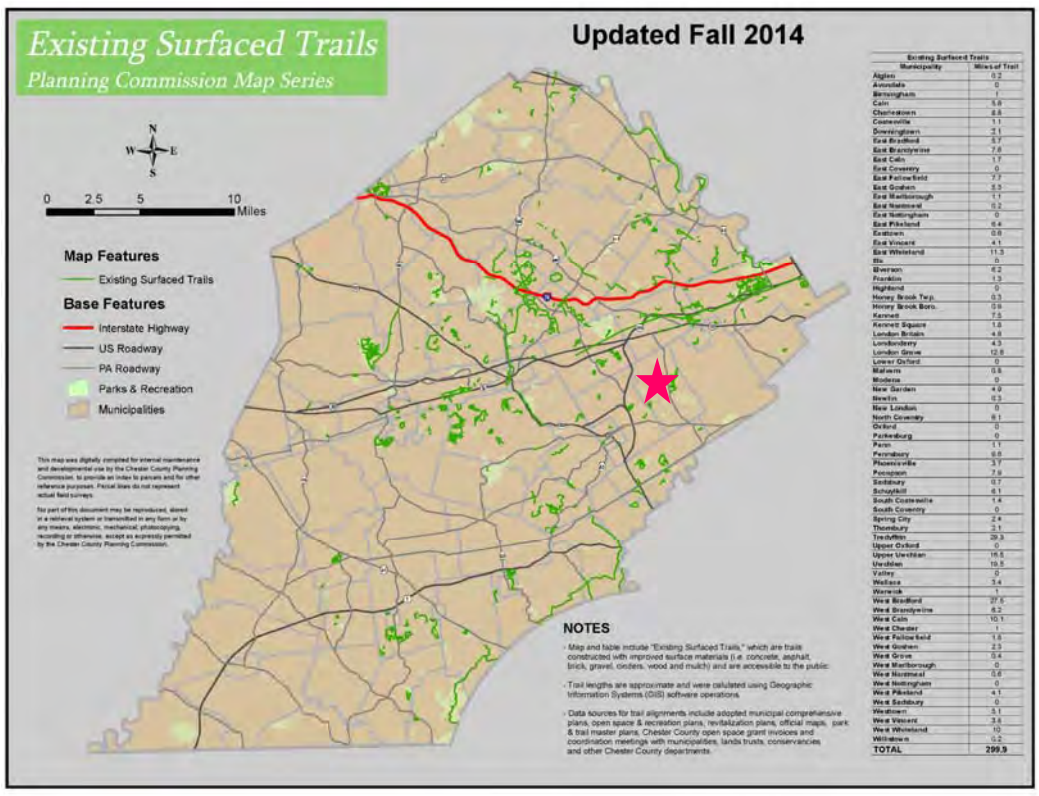
Paoli Pike Typical Section
showing trail alignment on the south side

Photo credits: McMahon Associates, Inc., Chester County Planning Commission, Upper Uwchlan Township

Potential Regional Trail Connections



Chester County Existing Trails



Chester County has almost 300 miles of existing surfaced trails, which are trails constructed with improved surface materials (i.e. concrete, asphalt, gravel, wood, and mulch) and are accessible to the public.

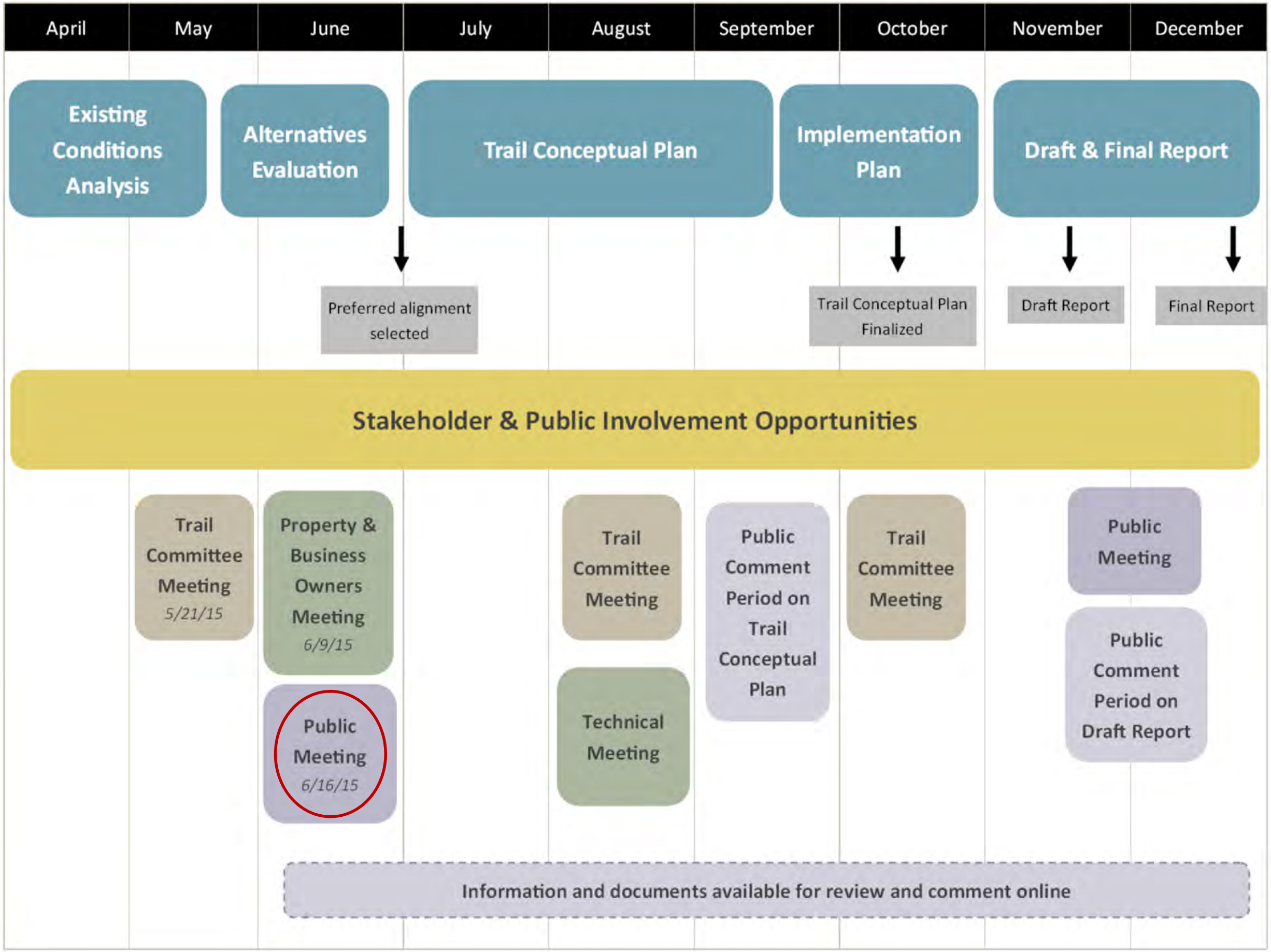
For more information: www.landscapes2.org

Greater Philadelphia Regional Trails

The Circuit is a 750-mile network of bicycle and pedestrian trails connecting people to jobs, communities, and parks in the Greater Philadelphia Region. To date 300+ miles have been built.

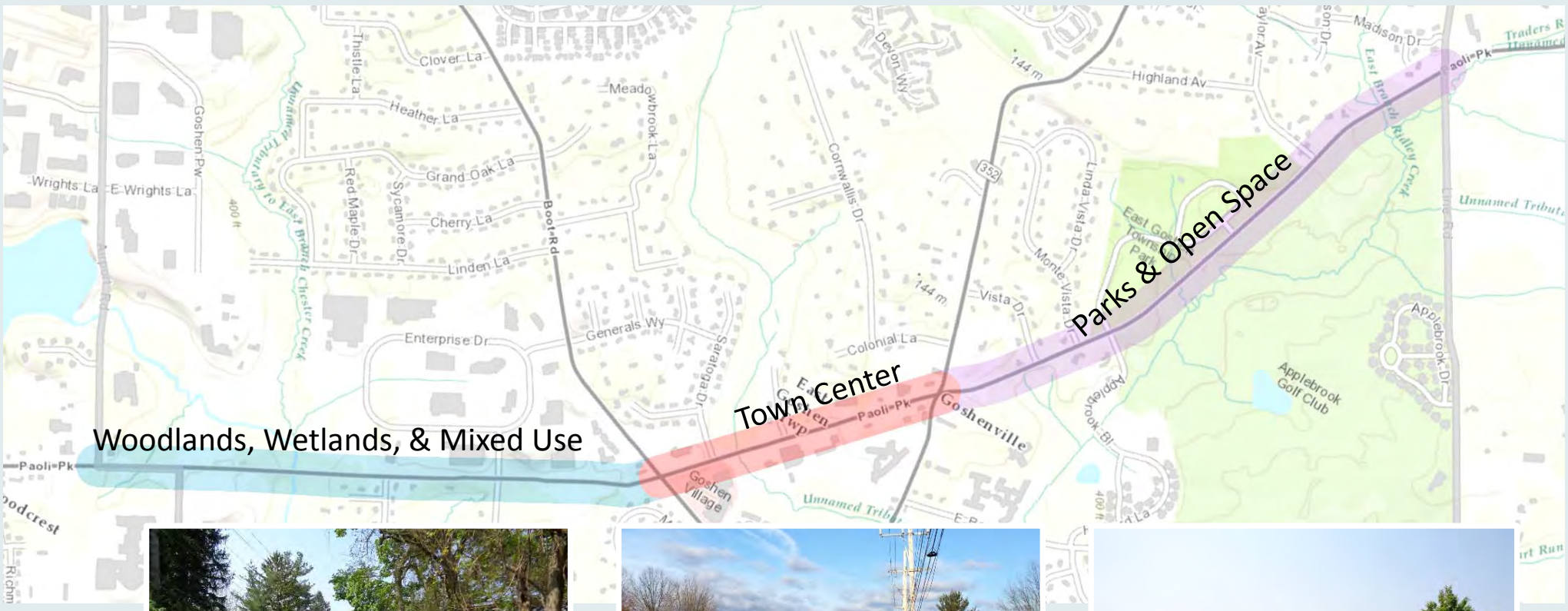
For more information: http://connectthecircuit.org/

PROJECT SCHEDULE

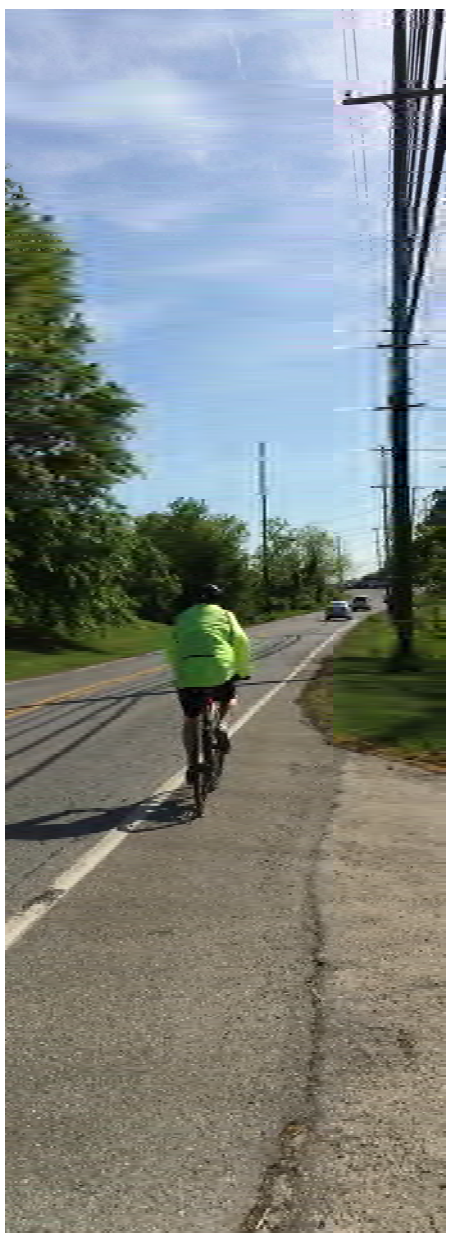


Paoli Pike Today

Context

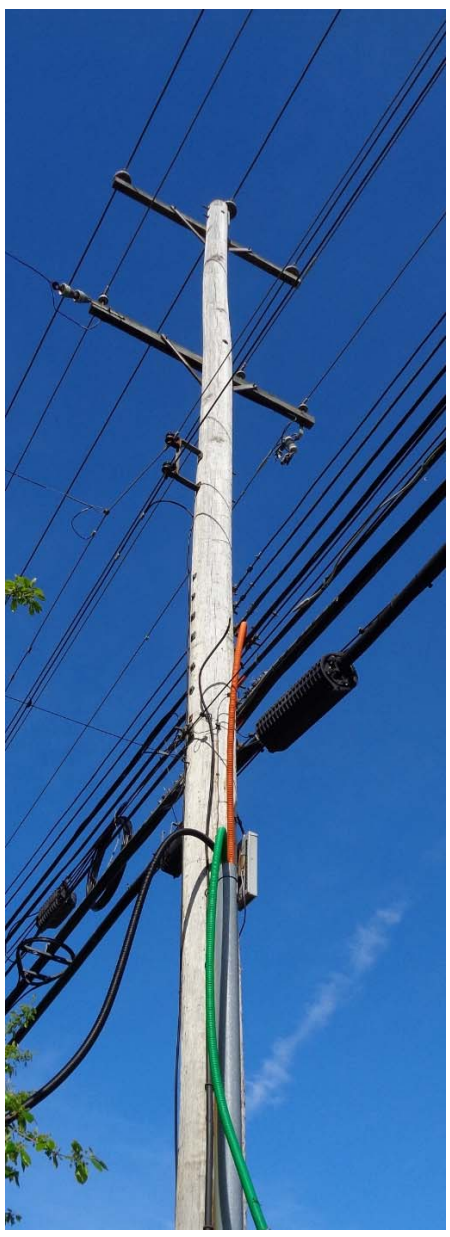


Assets & Opportunities



- Mix of land uses with many popular destinations for walking and biking trips, including
  - Schools
  - Parks
  - Farmer's Market
  - Shops
  - Restaurants
  - Community Facilities
- Adjacent residential developments
- Concentration of parkland
- Significant area of Township owned-land
- Existing trails and trail easements
- Opportunities for future regional trail connections

Constraints & Challenges



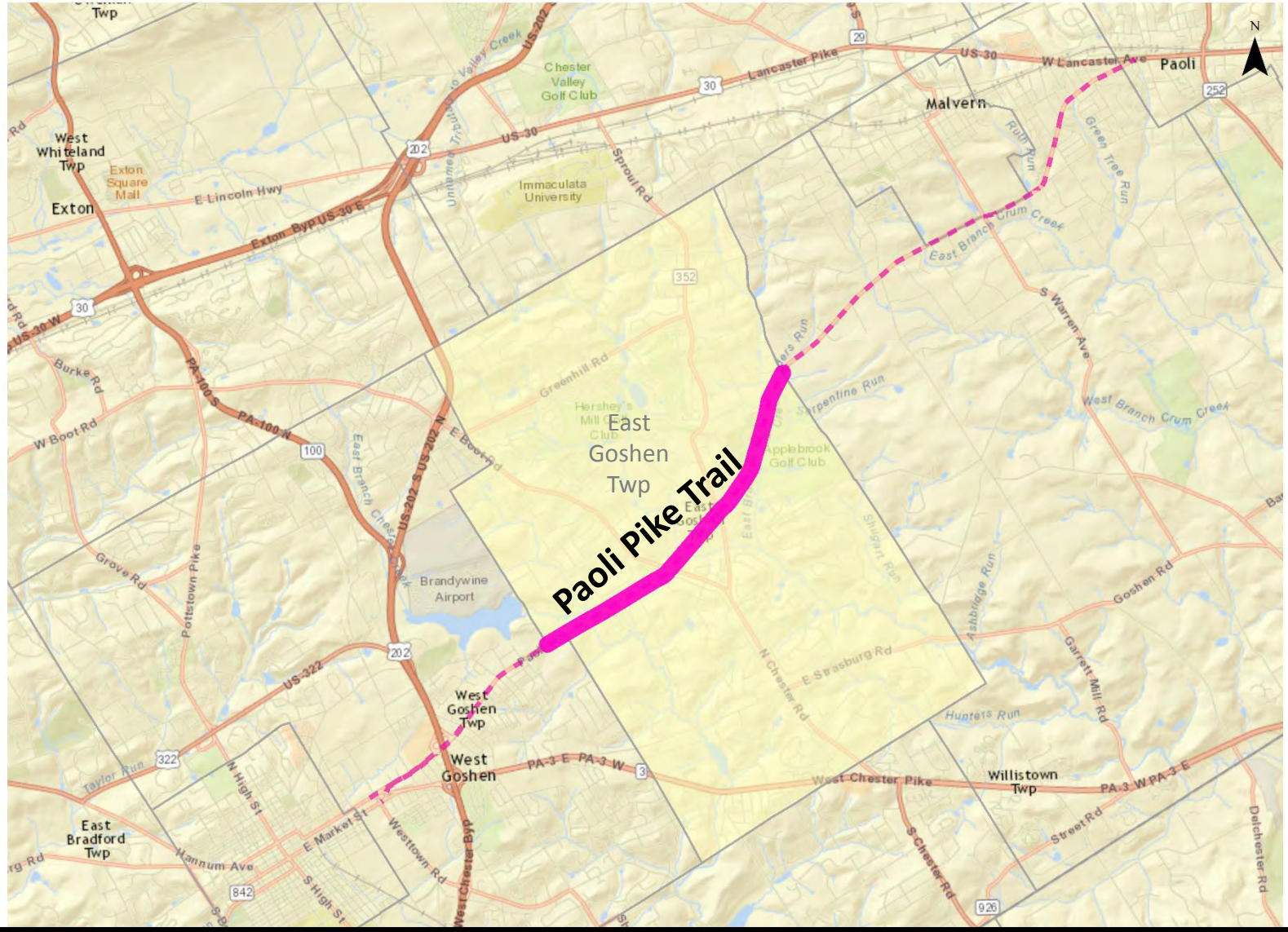
- High vehicular travel speeds and volumes
- Limited right-of-way
- Inconsistent roadway cross-section
- Steep slopes adjacent to the roadway
- Stormwater management facilities and basins adjacent to the roadway
- Overhead utility line parallel to the roadway
- Pipelines and other underground utilities
- Stream crossings with associated floodplains and wetlands
- Numerous driveways that are wide and closely spaced in some areas

PAOLI PIKE TRAIL

FEASIBILITY STUDY AND MASTER PLAN

Presentation to the
East Goshen Township
Board of Supervisors

June 16, 2015
7pm

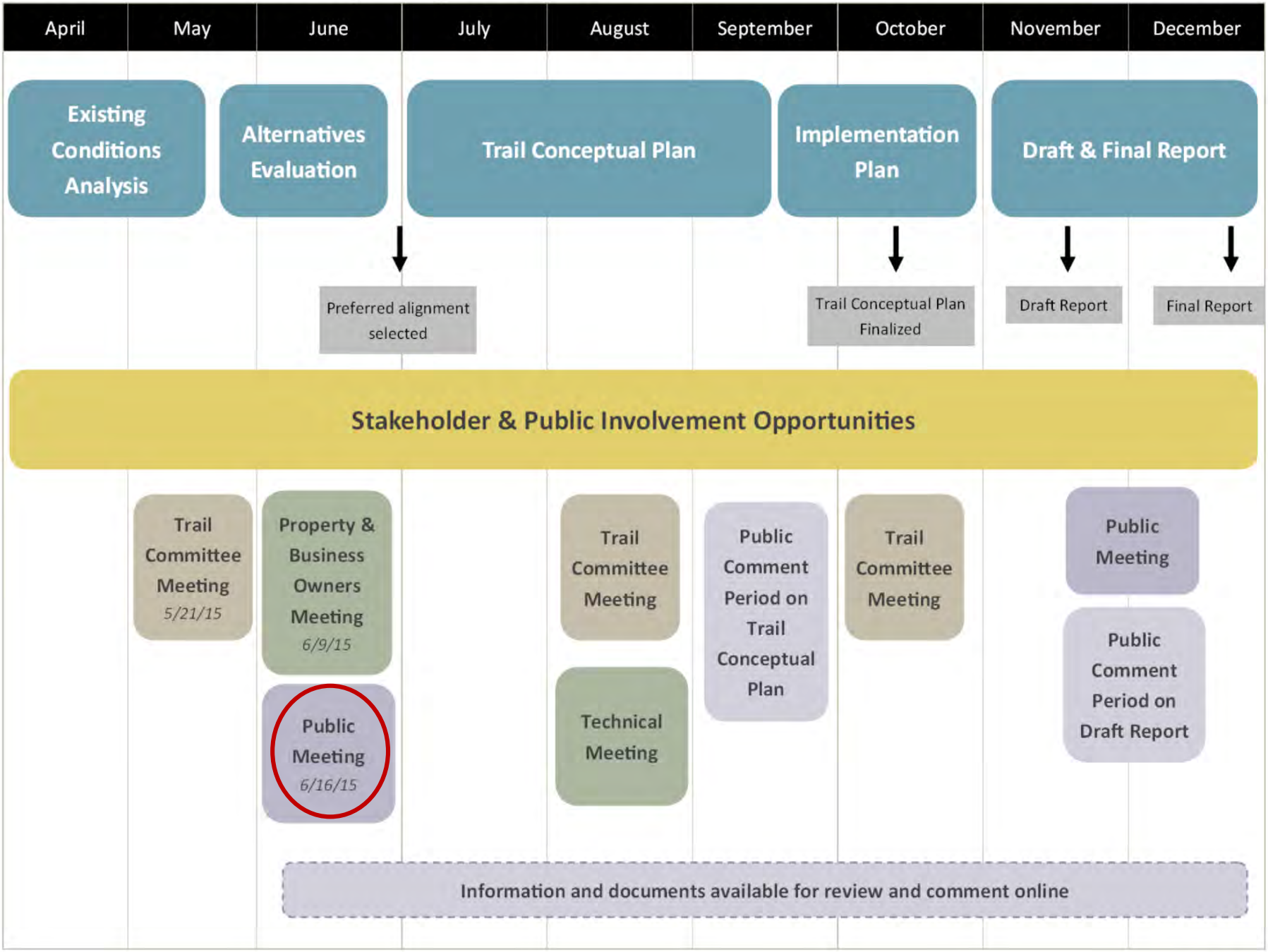


PROJECT AREA

PAOLI PIKE BETWEEN AIRPORT ROAD AND LINE ROAD

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



Project Purpose: Provide a safe, convenient, and continuous connection for people of all ages and abilities to walk and bike between key destinations along Paoli Pike in East Goshen Township.

Project Goals: Support a connected, healthy, vibrant, and sustainable community.

CONNECTED

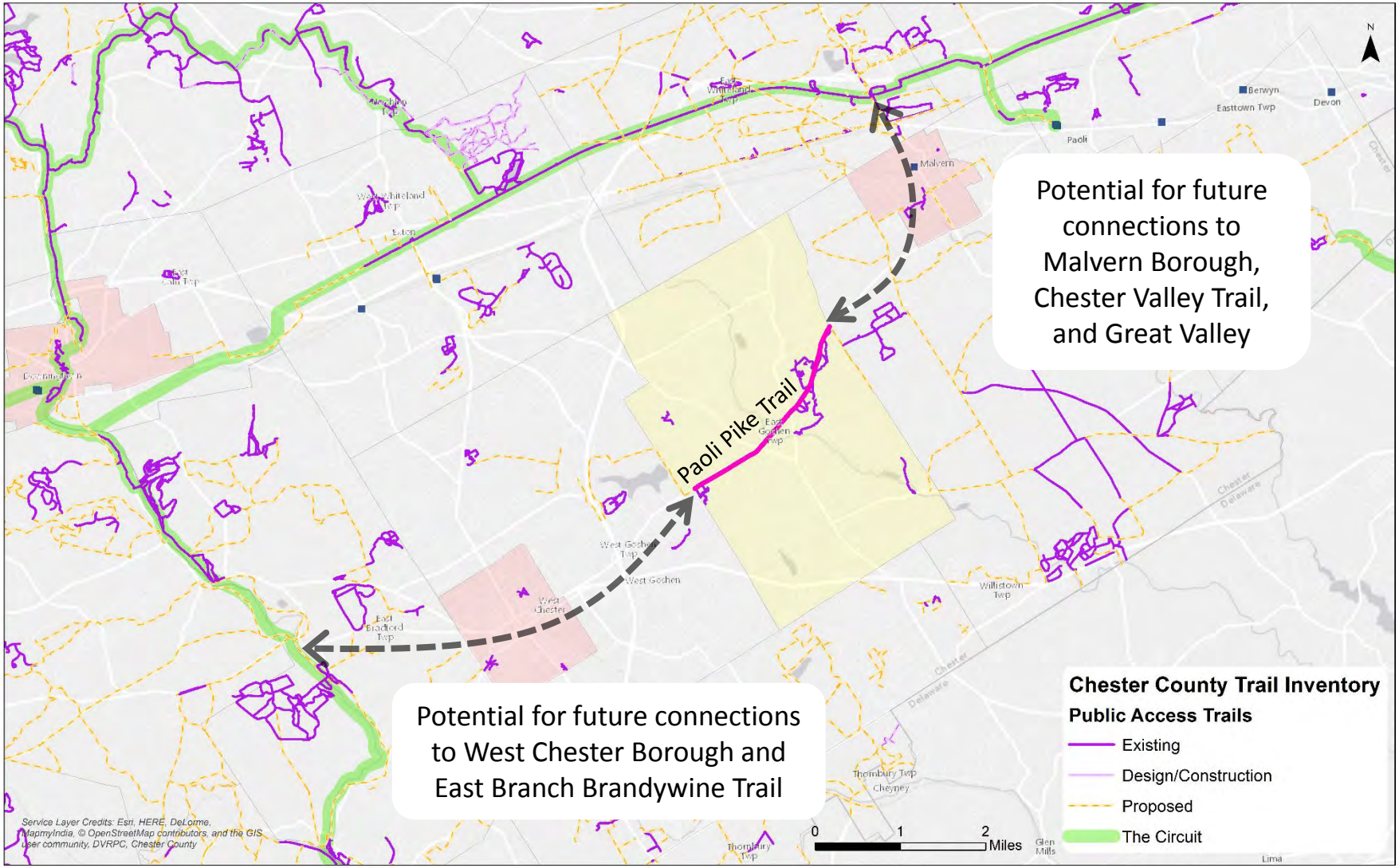
HEALTHY

VIBRANT

SUSTAINABLE

COMMUNITY

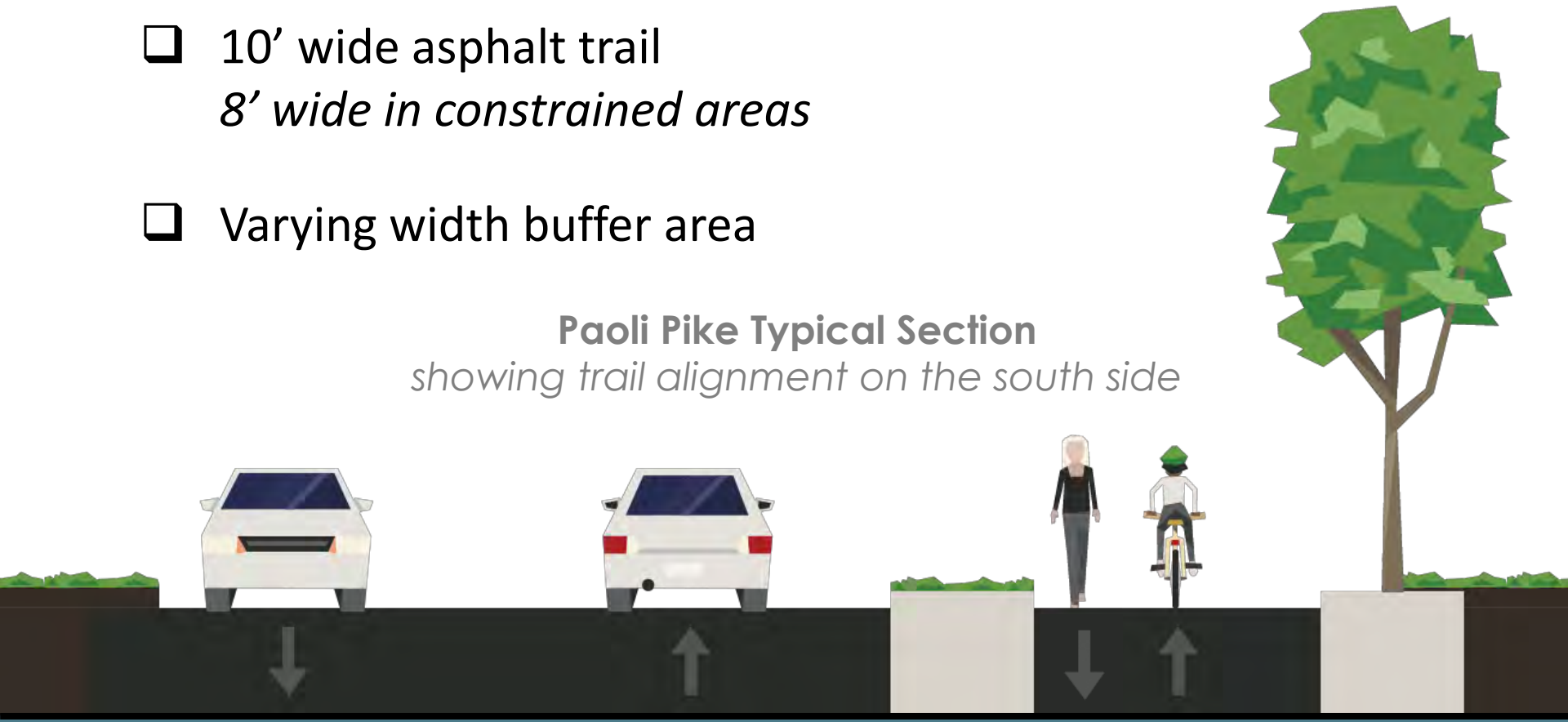
DRAFT PROJECT PURPOSE & GOALS



Future Trail Connections

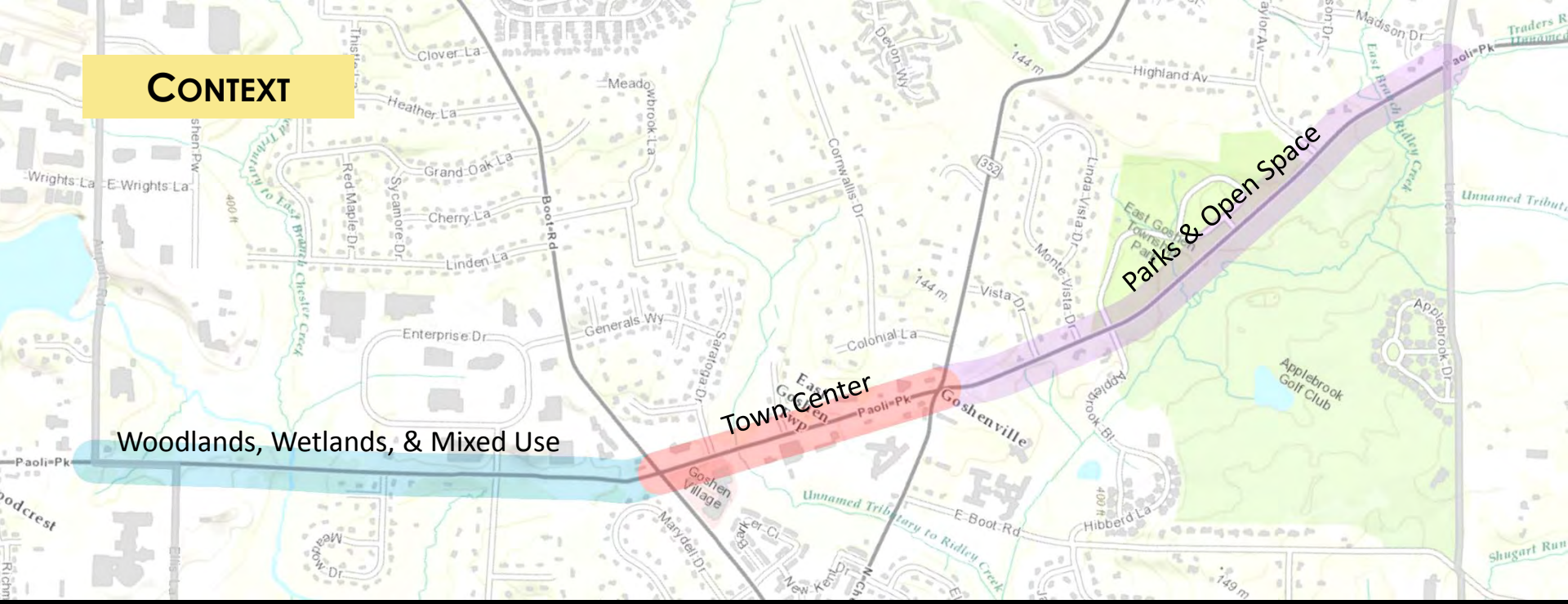
- Designed to accommodate bicyclists and pedestrians of all ages and abilities
- 10’ wide asphalt trail
  8’ wide in constrained areas
- Varying width buffer area

Paoli Pike Typical Section
showing trail alignment on the south side

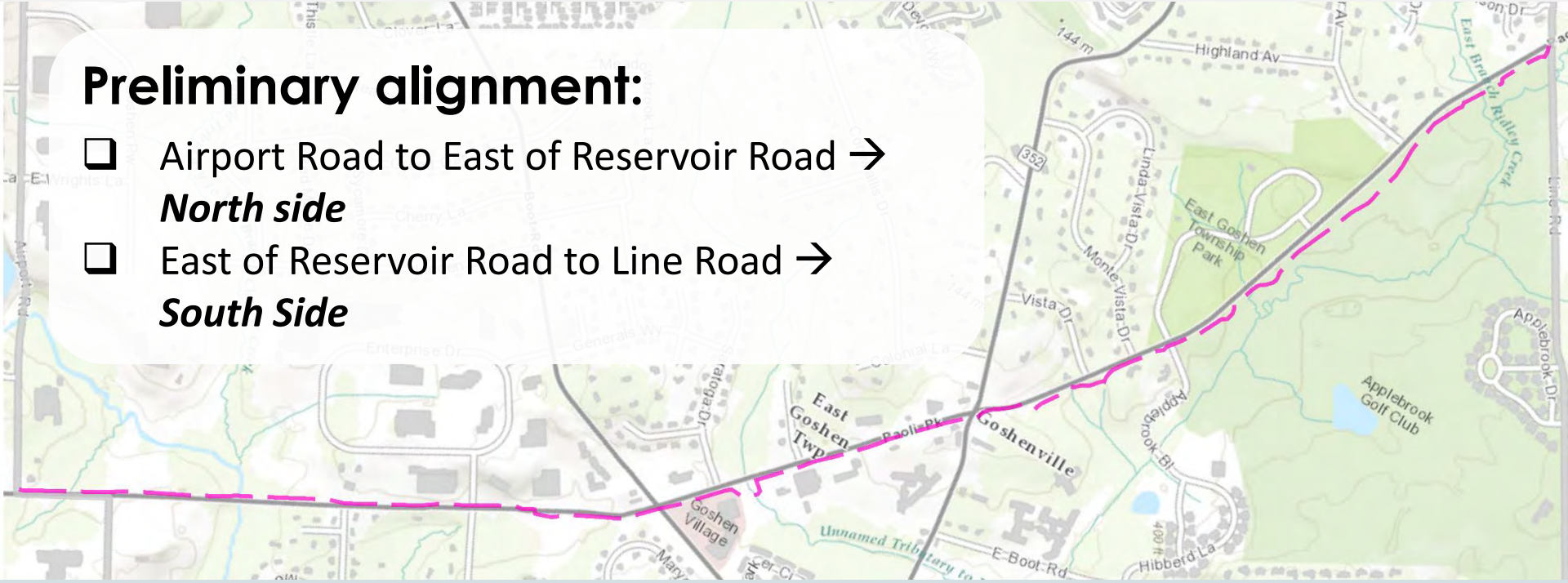


Paoli Pike Trail Concept

CONTEXT



PAOLI PIKE TODAY



Preliminary alignment:

- ❑ Airport Road to East of Reservoir Road → ***North side***
- ❑ East of Reservoir Road to Line Road → ***South Side***

Evaluate preliminary alignment based on:

- ❑ Connectivity
- ❑ Safety
- ❑ Feasibility
- ❑ Constructability
- ❑ Environmental and cultural resources
- ❑ Right-of-way

ALTERNATIVES EVALUATION

- **Trail Conceptual Plan**
  - *Public review and comment period: September 2015*

- **Draft Report**
  - *Public review and comment period: November/December 2015*
  - *Public Meeting: November/December 2015*

Next Steps & Opportunities for Input

EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS MEETING
1580 PAOLI PIKE
JUNE 16, 2015 – 7:00 pm
APPROVED MINUTES

Present: Chairman Marty Shane, Vice-Chairman Senya D. Isayeff, and Supervisors Janet Emanuel, Chuck Proctor, Township Manager Rick Smith, Township CFO Jon Altshul and ABC Member Erich Meyer (Conservancy Board). Supervisor Carmen Battavio was not present.

Call to order & Pledge of Allegiance:
Marty called the meeting to order at 7:00 pm and asked Janet to lead the Pledge of Allegiance.

Moment of Silence:
Marty called for a moment of silence to honor the members of the military that are currently serving, those that have passed and for their families.

Recording of Meeting:
No one indicated that they would be recording the meeting.

Candace Mulholland, reporter for the *Daily Local News* advised the Board she was in attendance at the meeting.

Chairman's Report:

- Marty welcomed all those present in the audience and explained that any vote would need to pass with three (3) votes by the Board.
- Marty announced that the Smith/19 Hill Street request for dimensional variance review and discussion has been moved to the July 7, 2015 meeting.
- Marty commented on the feasibility study of the Paoli Pike Multi Use Trail that is being conducted by McMahon Associates stating that if brought to fruition it could ultimately connect to a county wide trail system with designs to run from West Chester to Downingtown and hopefully to connect to the Willistown Patriots Trail at some point in the future. East Goshen Township seeks to receive state funding.

Consider Paoli Pike Trail Feasibility Study by McMahon Associates: Natasha Manbeck of McMahon Associates presented the current results of the Paoli Pike Trail (PPT) feasibility study. Natasha commented that the PPT would extend for 2.7 miles adjacent to Paoli Pike, starting at Airport Road and ending at Line Road. It would be a mixed usage walking and biking trail, approximately 10 feet wide, 8 feet wide in constrained areas. The length of the PPT running from Airport Road to Boot Road would be on the north side of Paoli Pike, with a pedestrian crosswalk in the vicinity of the Boot Road intersection, the remainder of the PPT running between Boot Road to Line Road would be located on the south side of Paoli Pike and connect into the Applebrook Trail system at its conclusion at Line Road.

Marty asked about the pedestrian crosswalk near the Boot Road intersection, what are some of the biggest challenges to this project, and if the PPT is economically feasible. Natasha said the

pedestrian crossing would be a full flashing signal and crosswalk. She commented that the most challenging areas of the PPT would be the stream crossing areas along the eastern branch from Reservoir Road to Boot Road where raised boardwalks would be needed, as well as in the area near the Wawa. Natasha further commented that it is too early in the process to determine economic feasibility, but that they should have a better idea of this by September when full trail alignment would be solidified and in greater detail.

Senya and Chuck expressed crossing safety concerns in the area where the PPT would run parallel to Fugett Middle/East High School. Natasha explained that they anticipate having a full traffic walk crossing signal in this area, and that they would contact school officials for input.

Mike Broenlle, 1641 Hunter Circle, feels strongly that a full signal light needs to be installed at the proposed pedestrian crosswalk near the Boot Road intersection, as this crosswalk would not be safe otherwise. He commented that Penn DOT should be contacted in this regard. Natasha said she would do this.

Joe Buonanno, 1606 Herron Lane, asked if the intent was to eliminate the right turn lane at the Boot Road intersection. Natasha said consideration is being given to abandoning the existing one way road and make the right turn lane part of that intersection.

Police Report—Chief Brenda Bernot: Chief Bernot welcomes all residents to attend Police Commission meetings and visit the website for information. She reported on recent telephone scamming incidents in which one resident lost $38,000 through the "Sweepstakes Scam", while another resident lost $1,800 through the "Grandparent Scam". She advised that if you receive questionable phone calls to ask for the caller's name and phone number, and to report it to the Police. The Chief also commented that the WEGO Police Department has completed 50% of the requirements to become a fully accredited department. When completed, they will be one of only 8% of Pennsylvania Police Departments to be fully accredited. One of the benefits of full accreditation is lower insurance rates.

Marty also commented that 54% of Township money raised through taxation goes to benefit emergency services such as the Police, Fire and EMS Departments.

Old Business:

Consider Milltown Dam Engineering Proposals: Marty motioned that the Board accept the proposal from Gannett Fleming in the amount of $83,265. Chuck seconded the motion.

Rick explained that of the 5 RFPs issued, only 3 bids were received, and Rick feels Gannett Fleming is the most experienced, and offered the most comprehensive proposal. He noted that their recommendation to first conduct an assessment of the dam was an indication of their experience with dam engineering.

Marty concurs with Rick's conclusion on the matter stating that he was very impressed with the Gannett Fleming proposal and that in providing an assessment of the entire dam, they offered more, than the Township had asked for in the RFP. Gannett Fleming's work would span 9 months in comparison to the other firms' work which would only span 4 to 8 weeks of work. In

addition, Gannett Fleming is highly regarded by the Department of Environmental Protection and for those reasons, Marty felt most comfortable in awarding this bid to Gannett Fleming.

Senya asked that given the large discrepancy in pricing amongst the bids, whether the Township should consider the initial scope of the RFP and not take into consideration Gannett Fleming's proposed additional assessment work. Janet shared that she was also impressed with Gannett Fleming's proposal but wonders if the Board is making a comparison of "apples to apples".

Chuck commented on the vast experience Gannett Fleming has in dealing with similar dam situations, and feels confident in awarding to Gannett Fleming.

Mike Lehmicke, 4 Reservoir Road, commented that Schnabel Engineering does have similar dam experience. Rick observed that the Schnabel Project Manager assigned to this engagement does not have similar dam experience.

Bob Sullivan, 33 Waterview Road, asked Senya if he had read the entire Gannett Fleming proposal. Senya commented that he had.

Tom Bechtel, 1467 Glenbrook Lane, asked the Board if these higher costs would be indicative of this entire project. Marty responded that the cost for this phase of the project would be what is agreed upon, and that the firm selected will provide the Board with construction costs for both alternatives. He also noted that the Board has a responsibility to get all of the information needed to make an informed decision.

Vincent McGinnis, 32 Lochwood Lane, offered to complete this work for free so that the Township could save money.

Rich Prann, 1477 Glenbrook Lane, said that since the proposals were so different in pricing, perhaps it would be beneficial to reissue the RFP and ask for assessments as well.

Senya suggested the Board reject all bids, rewrite the RFP to include the components they really desire and make the RFP clearer. Janet wondered if Gannett Fleming would be doing more on site work thus justifying the higher costs.

Discussion on the matter concluded with Marty reiterating his confidence in awarding the bid to Gannett Fleming. The motion was approved with a 3-1 vote, with Senya opposed for the reason given earlier.

Consider Milltown Dam Property Survey: Marty motioned to award Pennoni Engineering the Milltown Reservoir property survey bid at a cost not to exceed $10,750. Chuck seconded the motion.

Senya commented that since Gannett Fleming would be doing the assessment and engineering recommendations work on the Milltown Dam, they should also be the ones surveying the property as well. Chuck concurred with Senya's suggestion, and he and Rick added that the rear property lines, directly adjacent to the Reservoir, are unclear, which is why the surveying is

needed. Rick noted he had contacted Gannett Fleming, who said that would perform the survey at a cost not to exceed $10,750.

Gerry Conner, 36 Lochwood Lane, wondered if a communications company hadn't already surveyed the lots when they installed the cable TV years ago. Rick said that Comcast predecessors may have surveyed the rear lot lines in the past, but for their purposes. Chuck added that the surveying the Township intends to do has nothing to do with Comcast.

Baxter Wellmon, 42 Lochwood Lane, concurred that Comcast predecessors had already surveyed the property lines. He also warned that this new surveying by the Township will open up "legal issues". Senya responded that the Township's proposed surveying is for purposes to determine property lines as they directly relate to the Milltown Reservoir. He also asked Mr. Wellman to inform the Board of the "legal issues" he refers to in this matter. Mr. Wellman did not elaborate.

Marty motioned to withdraw the initial motion to award the surveying contract to Pennoni, and called for a new motion to award this contract to Gannett Fleming. Senya seconded. The Board unanimously voted to pass both motions.

Consider Lowering the Water Level in Milltown Dam to Accommodate Repairs: Rick noted the Township has received a Drawdown Permit for the Milltown Reservoir. The drawdown commenced on June 15, 2015, in order for the contractor to make some corrective repairs and was expected to last for one week. He also noted that a separate contractor was making repairs to the broken valve.

Consider Financial Report – May 2015: Jon commented on the Township Financial Report through May 2015 and noted that the 2014 Township and Municipal Authority audits have been received, both with clean opinions. In addition, they are available for viewing on the website at: http://eastgoshen.org/services/finance/auditsbond-rating.

Marty further noted that the Township operates a $19 million budget. He added that Jon and his staff will begin working on the budget for FY 2016 shortly.

Old Business (Continued):

Consider Zoning Amendments regulating the number of dogs and a stand-alone dog ordinance: Chuck had an issue with limiting the number of dogs to four as he feels this number is arbitrary. Senya agrees with Chuck and had issue with Paragraph 4, pg. 1 and Paragraph 5, pg. 2 of the ordinance. Senya commented that the impetus to change this ordinance is not a result of a numbers problem, but was due to an unfortunate dog mauling incident. Senya said he would also like to see invisible fencing language added to the control component language of this ordinance. Marty feels strongly that restrictions on the number of household pets that may be kept at a residential dwelling should be imposed in order to provide for the safety of all residents. The recommendation to send this zoning amendment to the County Planning Commission for review was tabled for further consideration.

Karen Lehmicke, 4 Reservoir Road, commented that pet owners should be responsible to keep their pets trained and well behaved, that to limit the number of pets a resident can own would be

to limit our freedoms, and that the Board should write an ordinance that if your pet does damage then the pet owner is liable for those damages.

New Business:

Consider Pedestrian Crossing Bids: Rick explained that on June 11, 2015, the Township opened bids for the installation of a Pedestrian Crossing Flashing Warning Device at the original entrance to the Township Park. Bids were received from Lenni Electric ($24,955) and Charles Higgins & Sons ($23,462). Upon Rick's recommendation to the Board, Senya motioned that Charles A. Higgins & Sons, Inc. be awarded the bid at $23,462.00. Janet seconded the motion. The motion was unanimously passed by the Board.

Consider Resolution authorizing the submission of a grant application to the Greenways, Trails and Recreation Program: Marty motioned to adopt the Resolution, formally requesting grant funding of $250,000 through the Pennsylvania Department of Economic Development's Greenways, Trails and Recreation Program to renovate the East Goshen Park Playground. Chuck seconded the motion. The Board unanimously voted to pass the motion.

Public Comment – Hearing of Residents:

Don Zembruski, 1457 Glenbrook Lane, expressed concern for the future of the Glenbrook Lane Covered Bridge and referred to an article written by Candace Mulholland of the *Daily Local News* which voiced the opinions of Andy Dinniman and Senator Pileggi regarding the historical significance and treasures of covered bridges in Pennsylvania. Mr. Zembruski asked the Board why the roof of the Glenbrook Lane Covered Bridge needed to be raised and urged the Board to save this covered bridge. Rick explained that over the years, the bridge has been hit by trucks, and he asked Pennoni to look in to the possibility of raising the roof and perform a general assessment of the bridge. Marty asked Rick to look into the various options and report back to the Board and also asked Mr. Zembruski to research grants in this regard.

Gerry Connor, 36 Lochwood Lane, expressed her concern to save the Glenbrook Lane Covered Bridge, referring to it as a "Chester County Treasure".

Todd Bechtel, 1467 Glenbrook Lane, asked the Board to explain exactly what was agreed upon at the May 27, 2015 Board of Supervisor's meeting with regard to the Glenbrook Lane Covered Bridge. Marty stated that at the May 27th Planning Session the Board discussed the Bridge and that from his perspective any future repairs should be limited to only those required to maintain the bridge surface. Chuck noted that he did not express an opinion on the matter at this meeting.

George Wendt, 1469 Glenbrook Lane, questioned $30,000 as being the cost to re-roof the bridge, and asked the Board if they have contacted professional roofers on the matter. Rick commented on the damaged roof trusses and the need for them to be repaired. Marty said the Board would look into options on this matter.

Baxter Wellmon, 46 Lochwood Lane, conveyed his gratitude to the Board, Rick, and all the Township staff for all their hard work and dedication. He shared his historical research of Milltown Reservoir and the Dam, dating back to 1847, which was believed to have been used by soldiers as a staging and refuge area. Mr. Wellmon believes the reservoir and dam are a huge

part of East Goshen history. He handed his research paperwork to Marty. In addition, Mr. Wellmon expressed concern that residents in and around the Milltown Reservoir Dam area should be made aware of the rainfall predictions and hazards laid out by the Department of Environmental Protection as they relate to this Dam. Rick explained that there are evacuation plans in place for such an event.

Cabel Whittum, 33 Lochwood Lane, was assured that the Board of Supervisors have all East Goshen Township residents interests at heart. He also shared that rainfall levels from Hurricane Agnes were significant and the Milltown Reservoir Dam is "still standing".

Approval of Minutes:
The Board reviewed and corrected the draft minutes of the May 27, 2015 meeting. Marty said the minutes would stand approved as corrected.

Treasurer's Report:
See attached Treasurer's Report for June 11, 2015. The Board reviewed the Treasurer's Report and the current invoices. Senya moved to graciously accept the Treasurer's Report and the Expenditure Register Report as recommended by the Treasurer, to accept the receipts and to authorize payment of the invoices just reviewed. Janet seconded the motion. The Board voted unanimously to approve the motion.

Correspondence, Reports of Interest:
The Board acknowledged receipt of the East Goshen Township Annual Financial Report and East Goshen Municipal Authority Annual Financial Report – year end December 31, 2014 (available to view on website), and the Constant Contact memo.

The Board acknowledged receipt of Cabell Whittum's correspondence presented at the June 2nd Board meeting. The Board agreed to have it included in the minutes for that meeting at Mr. Whittum's request. Senya stipulated that Mr. Whittum's statement would include the Boards disclaimer that they hold no opinion on Mr. Whittum's statement nor will they comment on the validity of the opinions enclosed within.

Adjournment:
There being no further business, Marty made a motion to adjourn the meeting at 10:35 pm. Janet seconded the motion. The motion passed unanimously.

Respectfully submitted,
Christina Rossetti Hartnett
Recording Secretary

Attachment: *Treasurer's Report for June 11, 2015*

June 11, 2015

TREASURER'S REPORT
2015 RECEIPTS AND BILLS

GENERAL FUND

Real Estate Tax	$55,149.15
Earned Income Tax	$296,857.28
Local Service Tax	$18,994.03
Transfer Tax	$0.00
General Fund Interest Earned	$519.84
Total Other Revenue	$56,328.87
Total Receipts:	**$427,849.17**

Accounts Payable	$397,489.46
Electronic Pmts:	
Health Insurance	$0.00
Credit Card	$0.00
Postage	$1,000.00
Debt Service	$14,831.76
Payroll	$95,046.78
Total Expenditures:	**$508,368.00**

STATE LIQUID FUELS FUND

Receipts	$0.00
Interest Earned	$51.37
Total State Liqud Fuels:	**$51.37**

Expenditures: **$0.00**

SINKING FUND

Receipts	$4,923.36
Interest Earned	$419.69
Total Sinking Fund:	**$5,343.05**

Total Expenditures: **$0.00**

TRANSPORTATION FUND

Receipts	$0.00
Interest Earned	$201.37
Total Sinking Fund:	**$201.37**

Expenditures: **$0.00**

SEWER OPERATING FUND

Receipts	$68,705.34
Interest Earned	$55.31
Total Sewer:	**$68,760.65**

Accounts Payable	$31,683.48
Debt Service	$341,440.94
Credit Card	$0.00
Total Expenditures:	**$373,124.42**

REFUSE FUND

Receipts	$24,036.59
Interest Earned	$17.91
Total Refuse:	**$24,054.50**

Expenditures: **$69,006.01**

SEWER SINKING FUND

Receipts	$0.00
Interest Earned	$231.19
Total Sewer Sinking Fund:	**$231.19**

Expenditures: **$0.00**

OPERATING RESERVE FUND

Receipts	$0.00
Interest Earned	$266.94
Total Operating Reserve Fund:	**$266.94**

Expenditures: **$0.00**

Events Fund

Receipts	$0.00
Interest Earned	$0.69
Total Events Fund:	**$0.69**

Expenditures: **$0.00**

Paoli Pike Trail Feasibility Study and Master Plan

Public Meeting #1

June 16, 2015

NOTES

Comments Received

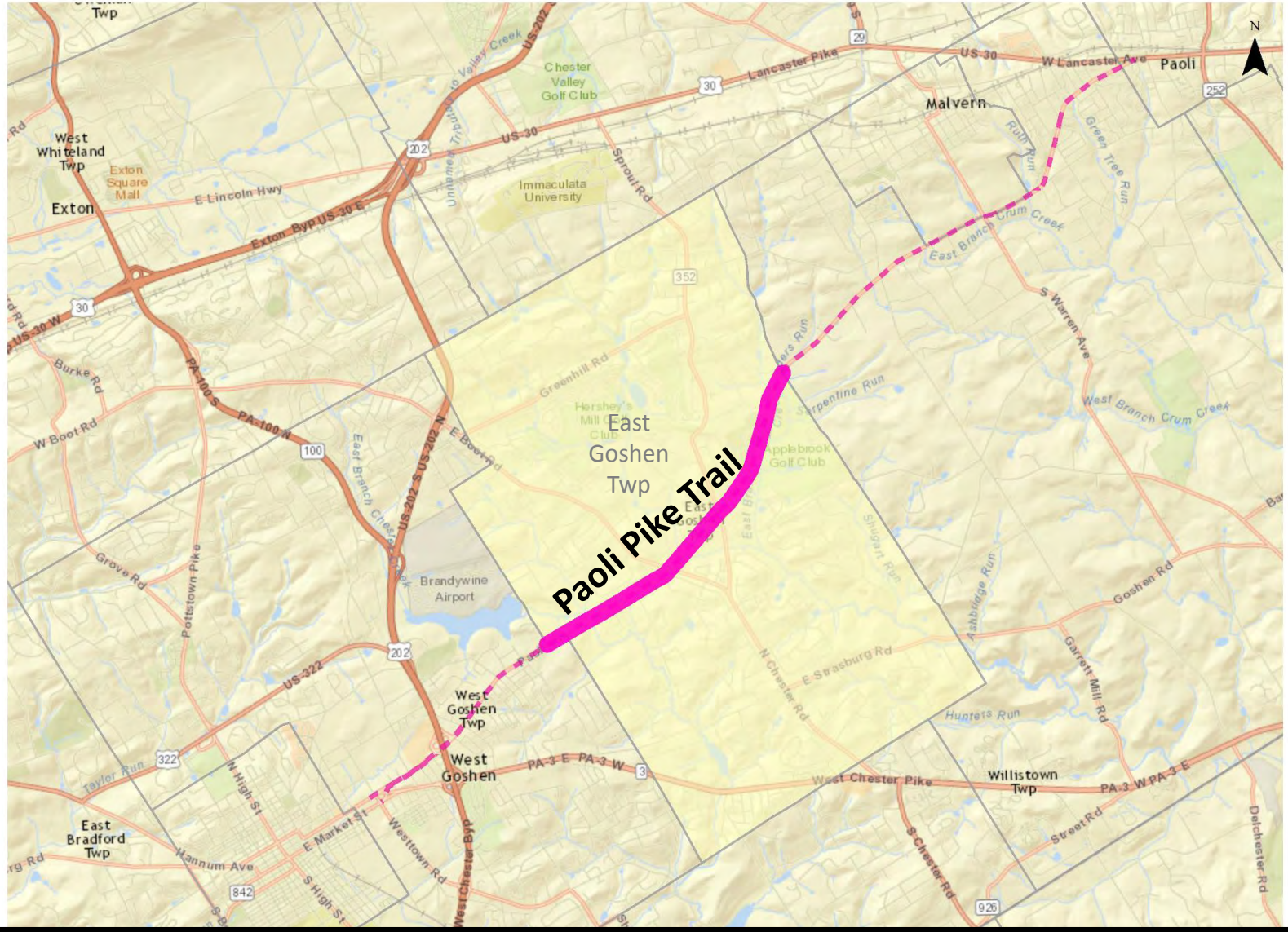
- Mid-block crossing between Reservoir Road and Boot Road should have a full signal (not a flashing signal)
- Safety is the highest priority for the trail
- Coordinate with neighboring municipalities and the School District
- More information is needed on the future regional connections and how this project relates to other trail plans/studies

PAOLI PIKE TRAIL

FEASIBILITY STUDY AND MASTER PLAN

Presentation to the
East Goshen Township
Board of Supervisors

September 15, 2015
7pm

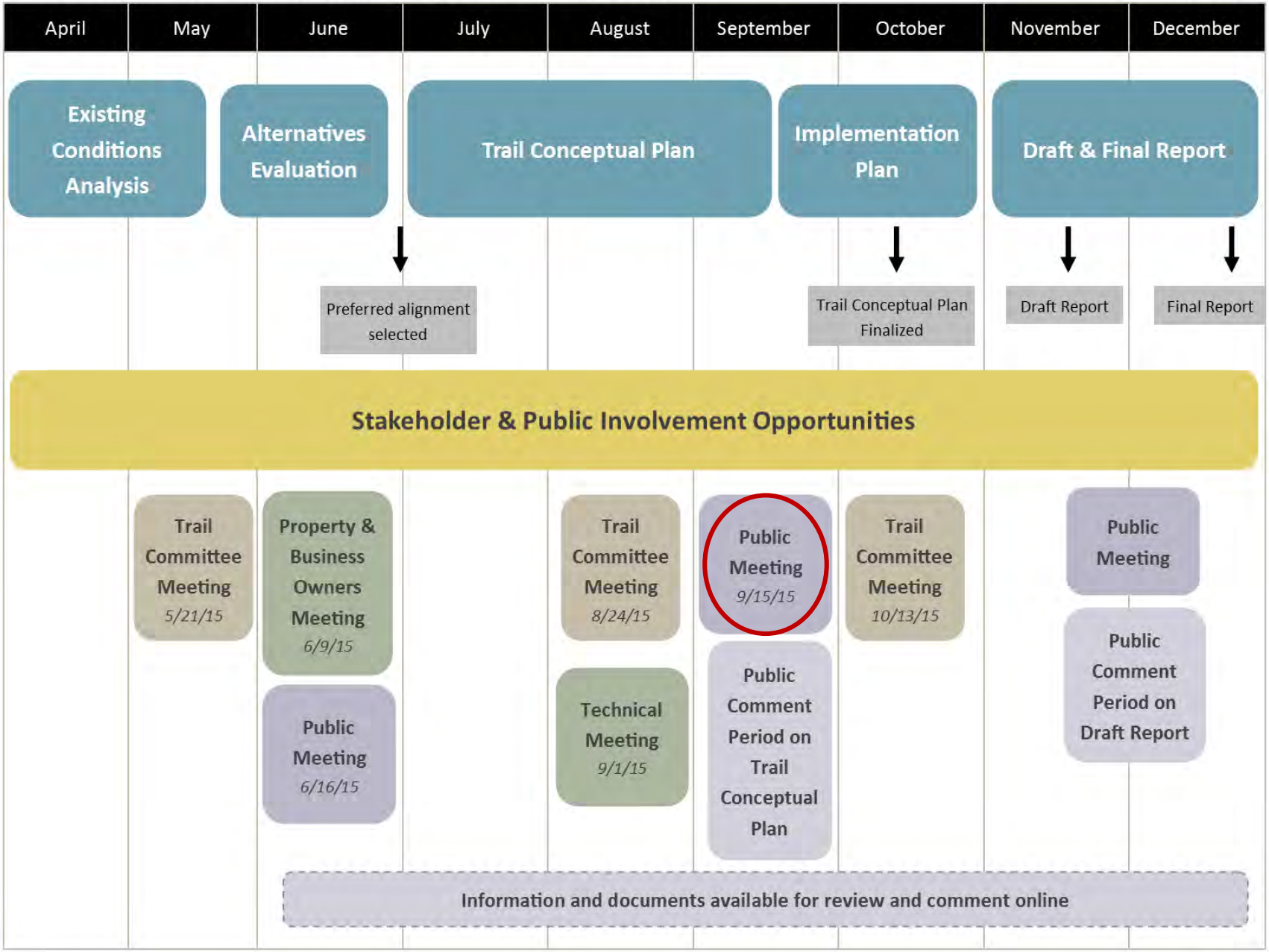


PROJECT AREA

PAOLI PIKE BETWEEN AIRPORT ROAD AND LINE ROAD

Paoli Pike Trail—Feasibility Study and Master Plan

Schedule



8/24/2015

- **Preferred Alignment**
  - *North side between Airport Road and Boot Road*
  - *South side between Boot Road and Line Road*

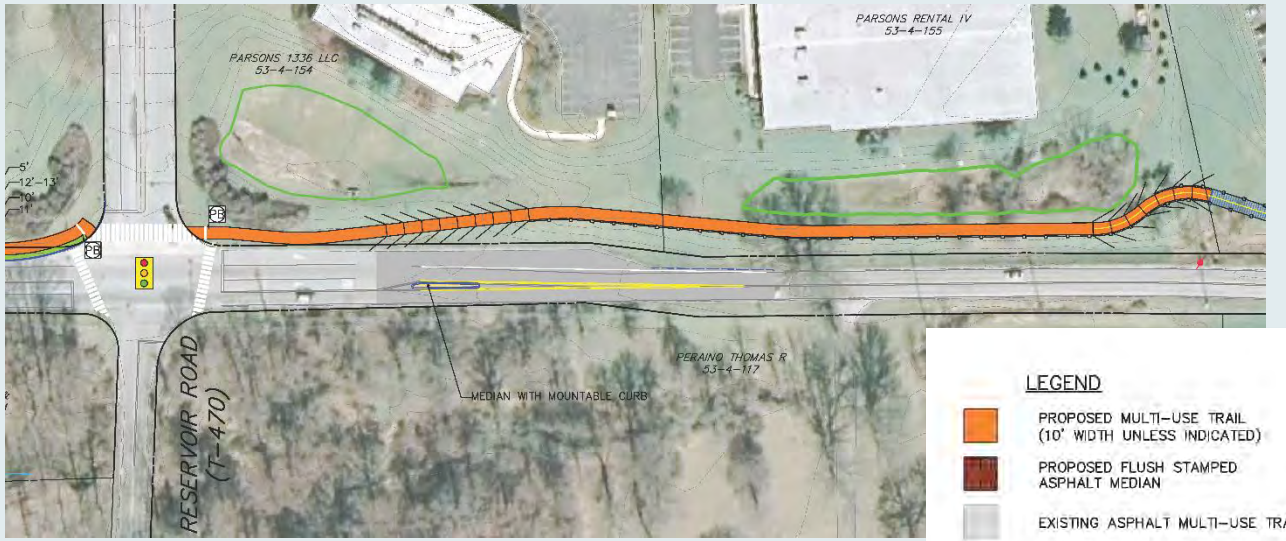
- **Trail Committee #2**
  - *August 24, 2015*

- **PennDOT Technical Coordination Meeting**
  - *September 1, 2015*

- **Patriots Path Task Force Meeting**
  - *September 15, 2015*

ACTIVITIES SINCE PUBLIC MEETING#1

JUNE 16, 2015



LEGEND

- PROPOSED MULTI-USE TRAIL (10' WIDTH UNLESS INDICATED)
- PROPOSED FLUSH STAMPED ASPHALT MEDIAN
- EXISTING ASPHALT MULTI-USE TRAIL
- PROPOSED TRAIL BOARDWALK
- PROPOSED ROADWAY MILL & OVERLAY
- PROPOSED NEW GRASS BUFFER AREA
- PROPOSED CEMENT CONCRETE/PAVER MATERIAL
- PROPOSED CURB
- PROPOSED EDGE OF PAVEMENT
- PROPOSED PAVEMENT MARKINGS
- PROPOSED SAFETY RAIL (FENCE)
- PROPOSED SIGN
- EXISTING CURB
- EXISTING EDGE OF PAVEMENT
- EXISTING PAVEMENT MARKINGS
- EXISTING CONTOUR (2 FOOT INTERVAL)
- EXISTING SWM FACILITY LIMITS (APPROXIMATE)
- EXISTING RIGHT-OF-WAY LINE
- EXISTING PROPERTY LINE
- EXISTING UTILITY POLE

- ST TRAIL USER STOP SIGN
- SV VEHICULAR STOP SIGN
- PB PUSH BUTTON SIGN
- TX TRAIL CROSSING WARNING SIGN WITH ARROW
- YH VEHICULAR YIELD HERE SIGN

NOTES:

1. EXISTING CONDITIONS DEPICTED ON THE CONCEPTUAL DESIGN EXHIBIT ARE BASED ON GIS DATA RECEIVED FROM EAST GOSHEN TOWNSHIP AND CHESTER COUNTY, AND HAVE BEEN SUPPLEMENTED WITH AERIAL PHOTOGRAPHY AND LIMITED FIELD MEASUREMENTS ONLY.

2. LEGAL RIGHT-OF-WAY LINES AND PROPERTY LINES ARE ESTIMATED BASED ON DATA RECEIVED FROM EAST GOSHEN TOWNSHIP AND CHESTER COUNTY. LEGAL RIGHT-OF-WAY LINES OR PROPERTY LINES HAVE NOT BEEN INDEPENDENTLY VERIFIED THROUGH FIELD SURVEY OR TITLE/DEED RESEARCH.

3. FURTHER OPERATIONAL EVALUATION OF SIGNALIZED INTERSECTIONS IS REQUIRED DURING PRELIMINARY ENGINEERING OF THE PROJECT.

4. DETAILED SIGNING AND STRIPING DESIGN AND PLANS SHALL BE DEVELOPED DURING PRELIMINARY ENGINEERING OF THE PROJECT.

DRAFT

9/11/15

DRAFT TRAIL CONCEPTUAL PLAN

- **Airport Road to Ellis Lane**
  - *Including improvements at Ellis Lane intersection*
- **Ellis Lane to Reservoir Road**
  - *Including improvements at* Reservoir Road *intersection*
- **Reservoir Road to Boot Road**
  - Including improvements at Boot Road intersection
- **Boot Road to Goshen Village**
- **Goshen Village to PA 352**
  - Including improvements at PA 352 intersection
- **PA 352 to Existing Applebrook Trail east of Goshen Friends**
- **Connection of Existing Applebrook Trails**

Potential Implementation

Next Steps

- **Draft Trail Concept Plan - *Public Review and Comment Period***
  - *Draft Concept Plan available online and at the Township Building*
  - *Comments accepted through September 30, 2015:*
    Mark Gordon, Director of Code Enforcement / Zoning Officer
    610-692-7171
    mgordon@eastgoshen.org
- **Photographic Renderings**
- **Trail Committee Meeting #3**
  - *October 13, 2015 at 7pm*
  - *Finalize Trail Concept Plan*
  - *Discuss Draft Implementation Plan*
    - *Priorities*
    - *Initial cost estimates*
    - *Funding options*
- **Draft Report**
  - *Public Meeting and Comment Period: November/December 2015*

EAST GOSHEN TOWNSHIP
BOARD OF SUPERVISORS MEETING
1580 PAOLI PIKE
SEPTEMBER 15, 2015 – 7:00 pm
FINAL MINUTES

Present: Chairman Marty Shane, Vice-Chairman Senya D. Isayeff, and Supervisors Janet Emanuel, Chuck Proctor, Carmen Battavio, Township CFO Jon Altshul, Township Solicitor Kristin Camp, Township Director of Code Enforcement/Zoning Officer Mark Gordon, ABC Member Erich Meyer (Conservancy Board).

Call to order & Pledge of Allegiance:
Marty called the meeting to order at 7:02 pm and led the assembly in the Pledge of Allegiance.

Moment of Silence:
Carmen called for a moment of silence to honor the members of the military who keep us safe and send Godspeed to all those who have lost their lives in the line of duty.

Recording of Meeting:
Candace Mulholland, reporter for the *Daily Local News,* indicated that she would be recording the meeting.

Chairman's Report:
Marty announced that there would be a Special Board of Supervisors meeting on Tuesday, October 13th at 7:00 pm for the purpose of presenting the 2016 proposed budget. Marty asked Janet to give brief overview on the progress of the Paoli Pike Trail (PPT) feasibility study. Janet introduced Natasha Manbeck, P.E. of McMahon Associates who highlighted the following:

- The PPT would cover a 2.7 mile distance, with the preferred alignment running from Airport Road to Boot Road, on the northside of Paoli Pike, and from Boot Road to Line Road on the southside of Paoli Pike.
- A "promenade" treatment for the center lane usage of Paoli Pike is proposed in the area spanning between Route 352 and Boot Road, thus signaling the Town Center, and acting as a traffic calming measure.
- One of the most challenging areas of the PPT would be in the area in front of the Wawa as there is a large crossing area. Narrowing the Wawa entrance and adding stop signs and curbing to enhance safety for trail users in this area is proposed.
- Natasha was not sure if the creation of the PPT would make it easier to get a full traffic light at the Park entrance, but she would look into this.
- Wetland areas along the PPT would be remedied with a boardwalk or a pervious pavement treatment.
- Natasha was not sure at this point how to connect into the Patriots or Chester Valley Trail systems, but thought that Malvern and Willistown Townships were looking at the Swedesford Road corridor as the connector.

- Informational kiosks and benches could be placed along the PPT for further enhancements.
- Natasha commented that depending on funding, she would expect a 10-year timeline for this project. In October, she will present cost estimates of segments of the PPT, the first being the segment between Airport Road to Ellis Lane.
- October 13, 2015 is the next meeting of the PPT. She expects the draft report to be complete in November or December.
- Marty and Senya commented that the PPT Committee should involve the local businesses, the YMCA and East High School and Fugett Middle School, all of which are adjacent to the PPT as ways of increasing public interest and funding to the PPT.
- *Ron Woodworth, 1550 Colonial Lane,* expressed concern about bikers on the trail who do not follow the rules of the road. Marty commented that the "maze" effect at crosswalks, similar to those used on the Chester Valley Trail, are excellent ways of increasing safety at crosswalks.
- *Mike Broennle, 1641 Hunter Circle,* commented that there would be a period of adjustment for all Trail users when the PPT opens, but that the PPT would be a great enhancement to East Goshen Township.
- *Ginny Newlin, 299 Devon Lane,* expressed that she has waited for such a long time to see the PPT developed and she is so happy to see this come to fruition.

Police Report: Police Chief Bernot presented the August 2015 Police Report. She encouraged everyone to visit the Police website and commented on the following:

- Scamming activity continues to grow, but the public is becoming more educated about scams.
- The Chief encouraged everyone to sign up through the ReadyChesco.org for updates on weather, road and travel updates.
- The Citizens Police Academy has enjoyed a great turnout.
- The Police department has completed 97% of its accreditation process. She hopes to complete this process by December 2015.
- The Police building is also a medication drop-off site for old and unused medications.

Public Hearings:

The Board held a public hearing on the Conditional Use application of Abjibapa Enterprises, LLC., to operate a Beverage Café at 1500 Paoli Pike. Patrick McKenna Esq, Gawthrop Greenwood, PC, was present to represent the applicant. Chuck made a motion to approve the application as outlined in the Zoning Ordinance and in accordance with the plans, exhibits and testimony during the conditional use hearing with the following conditions:

1. The Applicant shall provide the Township with a draft parking agreement which addresses the 5 parking spaces eliminated for the drive thru in the event the Township determines in the future that they are needed.
2. The drive-thru menu board shall automatically turn off when the store is closed.
3. The trash enclosure shall be closed at all times except when being serviced.
4. The kitchen shall include a serviceable grease trap for all food waste sewage as may be determined necessary by the Township.
5. The drive thru landscape screening shall be installed as described in the Conservancy Board Review letter dated August 13, 2015, on or before June 1, 2016.

6. All new rooftop structures shall be painted to be aesthetically compatible with the roof façade.
7. There shall be no outside storage of any kind. This condition shall not prohibit outdoor seating.
8. A stop sign and stop bar shall be added at the drive-thru exit.
9. The Applicant shall add effective traffic calming measures within the shopping center as may be determined necessary by the Township.
10. The applicant shall add low landscape plantings around the menu board base.
11. The applicant shall add wheel stops for the 10 parking spaces adjacent to the drive-thru lane.
12. The employee parking area is to remain unstriped and unmarked.
13. The new parking lot exit and associated signage shown on the plan shall be installed prior to issuance of a building permit for the beverage café.
14. The Applicant and owner of the shopping center shall clean up trash that may be deposited at the shopping center from the operation of the beverage café.

Senya seconded. The motion passed unanimously with a vote of 5-0. A court stenographer was present and will provide a full transcript of the hearing.

New Business:

Consider Goshen Village Shopping Center's Application to the Zoning Hearing Board Requesting Amendments to the ZHB Decision From 1988 to Permit Freestanding Signs:

Senya motioned to support the applicant and their application to the Zoning Hearing Board requesting to eliminate condition e. of the ZHB Decision from 1988, to permit two freestanding signs on the Goshen Village Shopping Center property as permitted in the zoning ordinance, with the following conditions:

- The property owner agrees to meet with the Township and its consultants in order to orient the sign locations so as to best accommodate the alignment of the proposed Paoli Pike Trail.
- Modify condition F of the 1988 Decision to require the Applicant to appear before the Planning Commission for review and recommendation of the proposed freestanding signs. All other signs at the shopping center may be removed and or replaced by the owner in accordance with the zoning ordinance upon issuance of a zoning permit.

Carmen seconded. The Board unanimously passed the motion.

Old Business:

Consider Recommendation for 1641 Manley Road: The Board met with Mr. Mullray regarding the proposed recommendations for the replanting of trees. The Board agreed to allow Mr. Mullray to present his recommendations for the replanting of trees at a later date.

Public Comment ~ Hearing of Residents:

Robert Woodworth, 1550 Colonial Lane, complained to the Board about contractor activity and construction taking place in his neighborhood and specifically about damage to his property as a result. Mr. Woodworth claims that contractors are driving their trucks on his property, damaging his grass that he has had to repair on his own. Mr. Woodworth also stated that the contractors

have physically threatened him. Mr. Woodworth further claims that the contractors have told him that Township staff has made disparaging statements about him. Mr. Woodworth expressed his frustration in not receiving any support from Township staff in this matter. Senya told Mr. Woodworth that he was sorry for what he was going through, but that this sounds like a civil matter directly between him and the contractor. Mark Gordon denied making disparaging comments about Mr. Woodworth.

Old Business (Continued)

Consider House Lateral Inspections: Senya motioned, as per Rick's suggestion, that the Township's building inspectors check the sewer caps and look for evidence of infiltration and inflow. If they observe evidence of I&I, they will notify the Public Works Department who will TV the lateral. Janet seconded. The Board voted unanimously in favor of this motion.

Financial Report: Jon presented the August 2015 Financial Report, which showed a positive General Fund variance of $389,011. He is currently projecting that the general fund will finish the year with a surplus of $243,171 and a positive budget variance of $542,839.

Treasurer's Report:

See attached Treasurer's Report for September 10, 2015. The Board reviewed the Treasurer's Report and the current invoices. Chuck asked for clarification on the Pond Treatment expenses. Jon clarified the invoice was from treatments in August and that the Board agreed upon this treatment program at the September 1st meeting. Marty moved to graciously accept the Treasurer's Report and the Expenditure Register Report as recommended by the Treasurer, to accept the receipts and to authorize payment of the invoices just reviewed. Senya seconded the motion. The Board voted unanimously to approve the motion.

Approval of Minutes: The Board reviewed and corrected the minutes from the September 1, 2015 meeting. Marty said the minutes would stand approved as corrected.

Correspondence, Reports of Interest: The Board acknowledged receipt of the following reports of interest:

- Malvern Fire Companies Informational Release
- Milltown Dam – 2015 Annual Dam Inspection
- The Rebecca Greenhow's letter and Rick Smith's response

Adjournment:

There being no further business, Marty adjourned the meeting at 10:15 pm.

Respectfully submitted,
Christina Rossetti Hartnett
Recording Secretary

Attachment: *Treasurer's Report for August 10, 2015*

				September 10, 2015	
TREASURER'S REPORT					
2015 RECEIPTS AND BILLS					
GENERAL FUND					
				Accounts Payable	$382,625.96
	Real Estate Tax	$1,136.36		Electronic Pmts:	
	Earned Income Tax	$106,359.29		Health Insurance	$0.00
	Local Service Tax	$7,862.27		Credit Card	$0.00
	Transfer Tax	$0.00		Postage	$0.00
	General Fund Interest Earned	$558.11		Debt Service	$14,831.76
	Total Other Revenue	$43,041.84		Payroll	$94,095.79
Total Receipts:		**$158,957.87**		Total Expenditures:	**$491,553.51**
STATE LIQUID FUELS FUND					
Receipts		$0.00			
Interest Earned		$54.93			
Total State Liqud Fuels:		**$54.93**		Expenditures:	**$0.00**
SINKING FUND					
Receipts		$0.00			
Interest Earned		$423.15			
Total Sinking Fund:		**$423.15**		Total Expenditures:	**$2,970.00**
TRANSPORTATION FUND					
Receipts		$0.00			
Interest Earned		$206.09			
Total Sinking Fund:		**$206.09**		Expenditures:	**$0.00**
SEWER OPERATING FUND					
				Accounts Payable	$34,826.87
Receipts		$64,579.12		*Debt Service*	$126,424.54
Interest Earned		$49.94		*Credit Card*	$0.00
Total Sewer:		**$64,629.06**		Total Expenditures:	**$161,251.41**
REFUSE FUND					
Receipts		$16,218.44			
Interest Earned		$23.48			
Total Refuse:		**$16,241.92**		Expenditures:	**$71,317.43**
SEWER SINKING FUND					
Receipts		$0.00			
Interest Earned		$230.59			
Total Sewer Sinking Fund:		**$230.59**		Expenditures:	**$0.00**
OPERATING RESERVE FUND					
Receipts		$0.00			
Interest Earned		$267.09			
Total Operating Reserve Fund:		**$267.09**		Expenditures:	**$0.00**
Events Fund					
Receipts		$0.00			
Interest Earned		$0.69			
Total Events Fund:		**$0.69**		Expenditures:	**$0.00**

Paoli Pike Trail Feasibility Study and Master Plan

Public Meeting #2

September 15, 2015

NOTES

Questions/Comments Received after the Presentation to the Board of Supervisors

- Can the installation of a trail connection and the increase of trail users warrant the installation of a full traffic signal at the Park Entrance? Likely not, but McMahon will confirm.
- The trail project estimate will include items such as kiosks, benches, bicycle parking, etc.
- Confirm the extent of cut and excavation required for the trail in front of the horse farm
- Consider the maintenance required for a pervious pavement trail vs. other types of BMP's
- What is the extent of the easements required for the trail?
- The Township should consider other forms of public outreach to get direct comments on the draft concept plan from trail neighbors and stakeholders. Greater public participation is desired, therefore physical outreach to key stakeholders should be completed. This includes the Corporate Park, YMCA, School District, Wawa, Sunoco, and Swiss Farms. McMahon will assist any way possible. Can individual exhibits (similar to plats) be prepared for specific trail sections and property owners?
- Trail connections to the YMCA, School, and MARS is desirable
- Connection to West Goshen trails should be considered.
- Have efforts to educate motorists and trail users been considered? Special signage could be considered. Also, new trials typically have a "break in" period where motorists and users get used to one another. The Central Chester County Bike Ped Plan included educational recommendations and there are other resources that might be available. The need for education will be highlighted in the draft report.
- Consider wayfinding signage for the trail, the park, and the Township limits.
- Possibly combine the next Trail Committee meeting with the Township's budget meeting on 10/13/15 to discuss preliminary cost estimates for the project.

Questions/Comments on Draft Trail Conceptual Plan during Open House

- Hicks Horse Farm:
    - **Who will own/maintain the area between the two-fences for the horse farm?**
    - **Liability for private property owners?**

    - Concerns about access to the driveway. Suggested a left-turn lane on Paoli Pike.
- Hicks property adjacent to Corporate Park:
    - **Will the trail and trail easement impact future development opportunities on the property?**
    - Possible alternative to keep the trail closer to Paoli Pike. Remove the existing buffer of trees/vegetation and provide new landscaping or screening.
    - **What about impacts and maintenance of mailbox, trees, existing wall?**
    - **Who will own/maintain the buffer area between the trail and the roadway?**