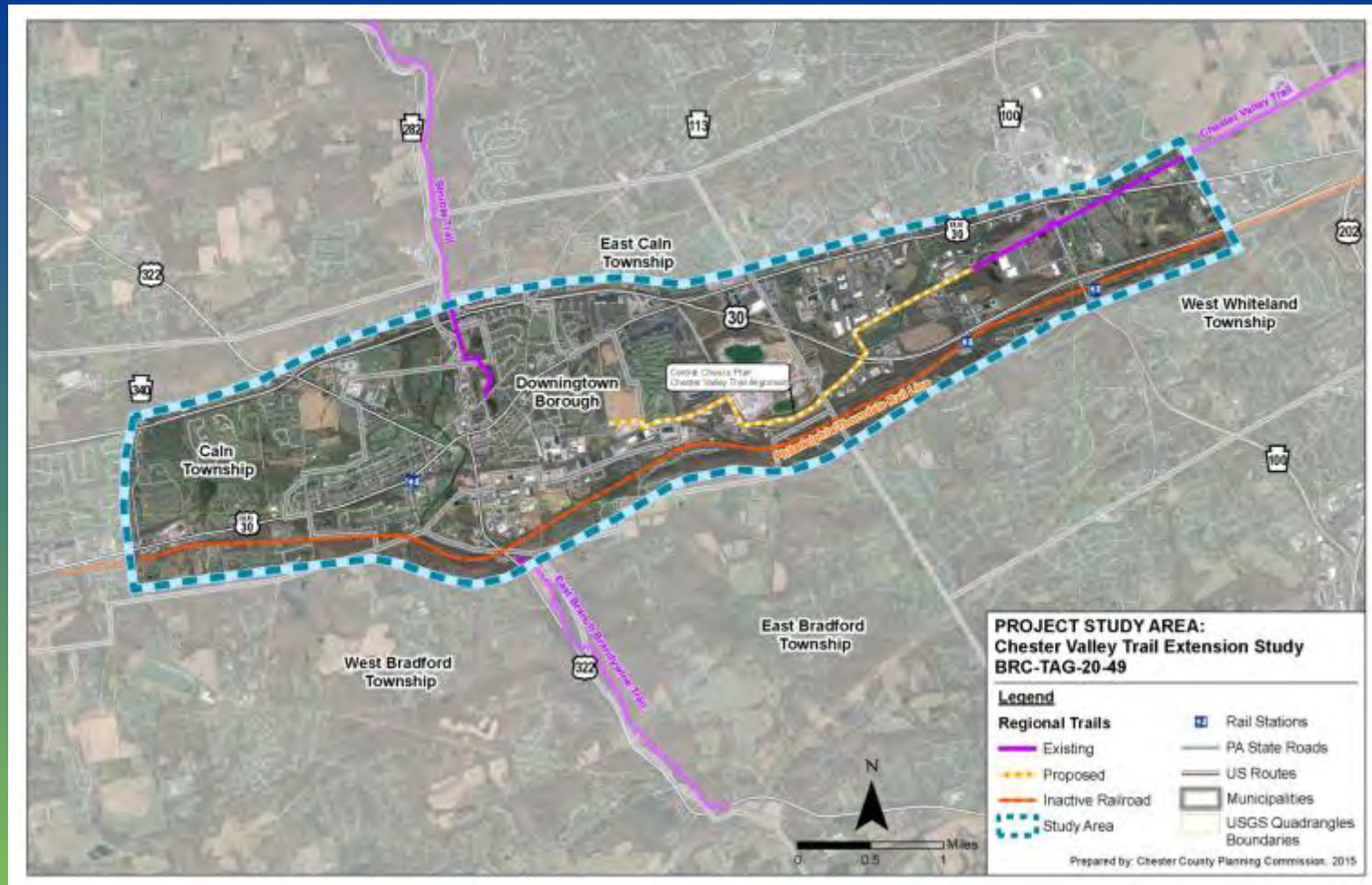


CHESTER VALLEY TRAIL EXTENSION



Public Meeting #2
March 30, 2016

Steering Committee Representation

- **West Bradford Township**
- **East Bradford Township**
- **Downingtown Borough**
- **East Caln Township**
- **Caln Township**
- **West Whiteland Township**
- **Friends of the Chester Valley Trail**
- **PennDOT District 6-0**
- **Chester County Parks & Facilities**
- **Chester County Community Development**
- **Chester County Health Dept.**
- **Victory Brewing Company**
- **Chester County Chamber of Business & Industry (CCCB)**
- **Transportation Management Association of Chester County (TMACC)**
- **PA Department of Conservation and Natural Resources (PA DCNR)**
- **Norfolk Southern Corporation**
- **Delaware Valley Regional Planning Commission (DVRPC) / The Circuit**
- **Bicycle Coalition of Greater Philadelphia**

Project Schedule



Date:

7/1/15

Event:

Project Start

9/10/15

Steering Committee Meeting #1 – Project Introduction

10/5/15

Parks Board Meeting – Introduction



10/8/15

Public Meeting #1 – Introduction / Issues Identification

10/22/15

Steering Committee Meeting #2 – PM review / Status / Next Steps

12/17/15

Steering Committee Meeting #3 – Field Reconnaissance / Alternatives Review

C H E S T E R V A L L E Y T R A I L E X T E N S I O N

Project Schedule

Date:

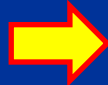
Event:

2/25/16

Steering Committee Meeting #4 – DRAFT Recommended Alignment

3/14/16

Parks Board Meeting – DRAFT Recommended Alignment



3/30/16

**Public Meeting #2 – Alternatives Analysis Review/
Recommended Alignment**

4/28/16

Steering Committee Meeting #5 – Master Plan progress

6/23/16

Steering Committee Meeting #6 – Master Plan Update / Costs

8/25/16

**Steering Committee Meeting #7 – DRAFT Master Plan – Costs &
Implementation**

9/12/16

Parks Board Meeting – DRAFT Master Plan



9/29/16

Public Meeting #3 – DRAFT Master Plan

DRAFT Narrative Report Public Review & Comment Period (30 day)

10/27/16

Steering Committee Meeting #8 – DRAFT Report Review

12/15/16

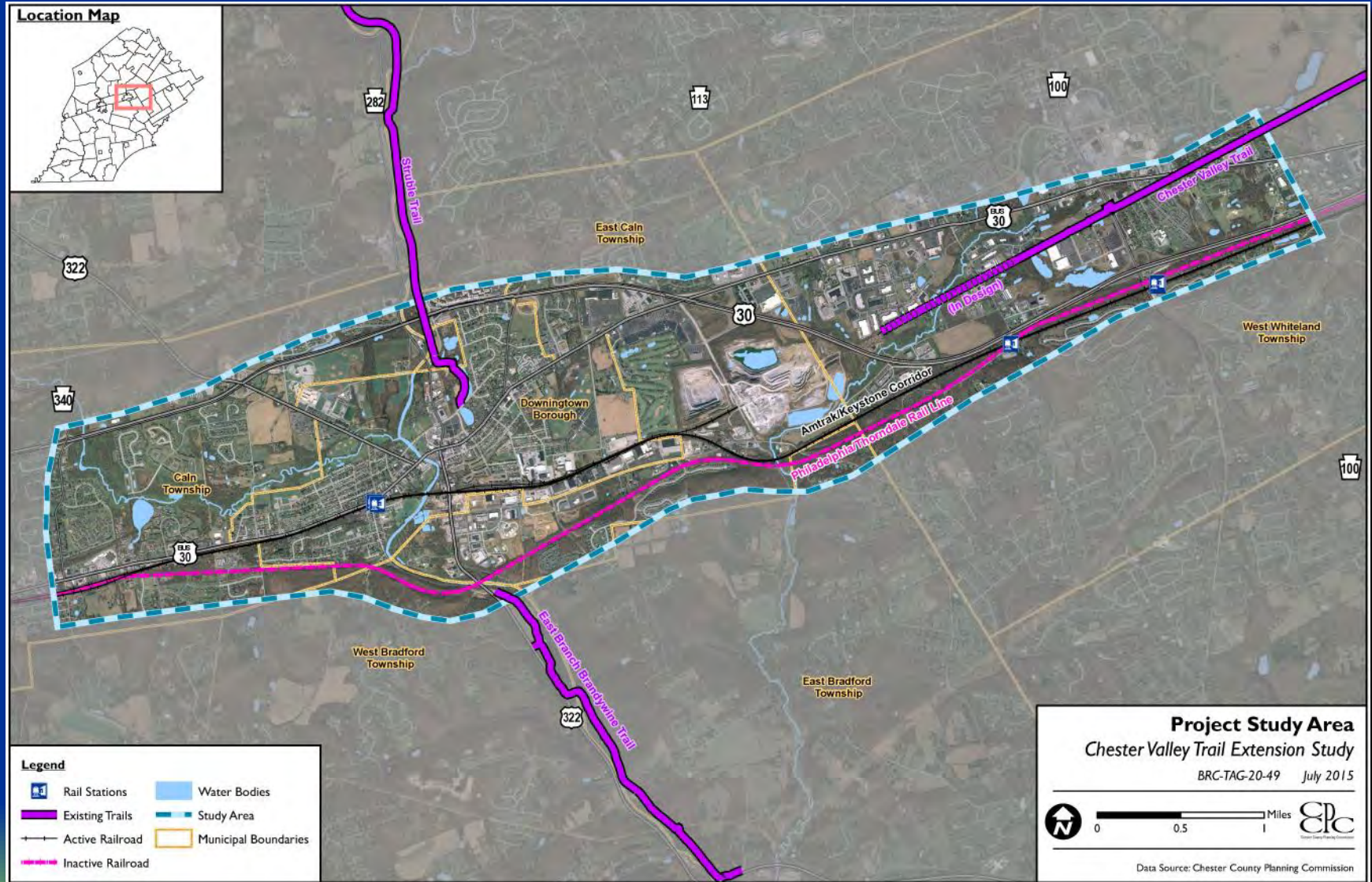
Steering Committee Meeting #9 – Project Wrap

C H E S T E R V A L L E Y T R A I L E X T E N S I O N

CVTE Trail User Citizen Survey – Current Tabulations

- Project website: www.chesco.org/planning/cvte
- From 10/26/15 to 3/30/16 – **1,100** responses
- **92%** of respondents are **Chester County residents**.
- **49%** live within the project study area municipalities
- **96%** of the total responses are in favor of extending the CVT from its current endpoint westward into Downingtown.
- **77%** of the survey respondents indicate that they use the trail at least once a month.
- **69%** of respondents indicated that they would use the new CVT trail segment (from Exton to Downingtown) more than they currently use the existing CVT.
- **429** written comments received

Project Study Area

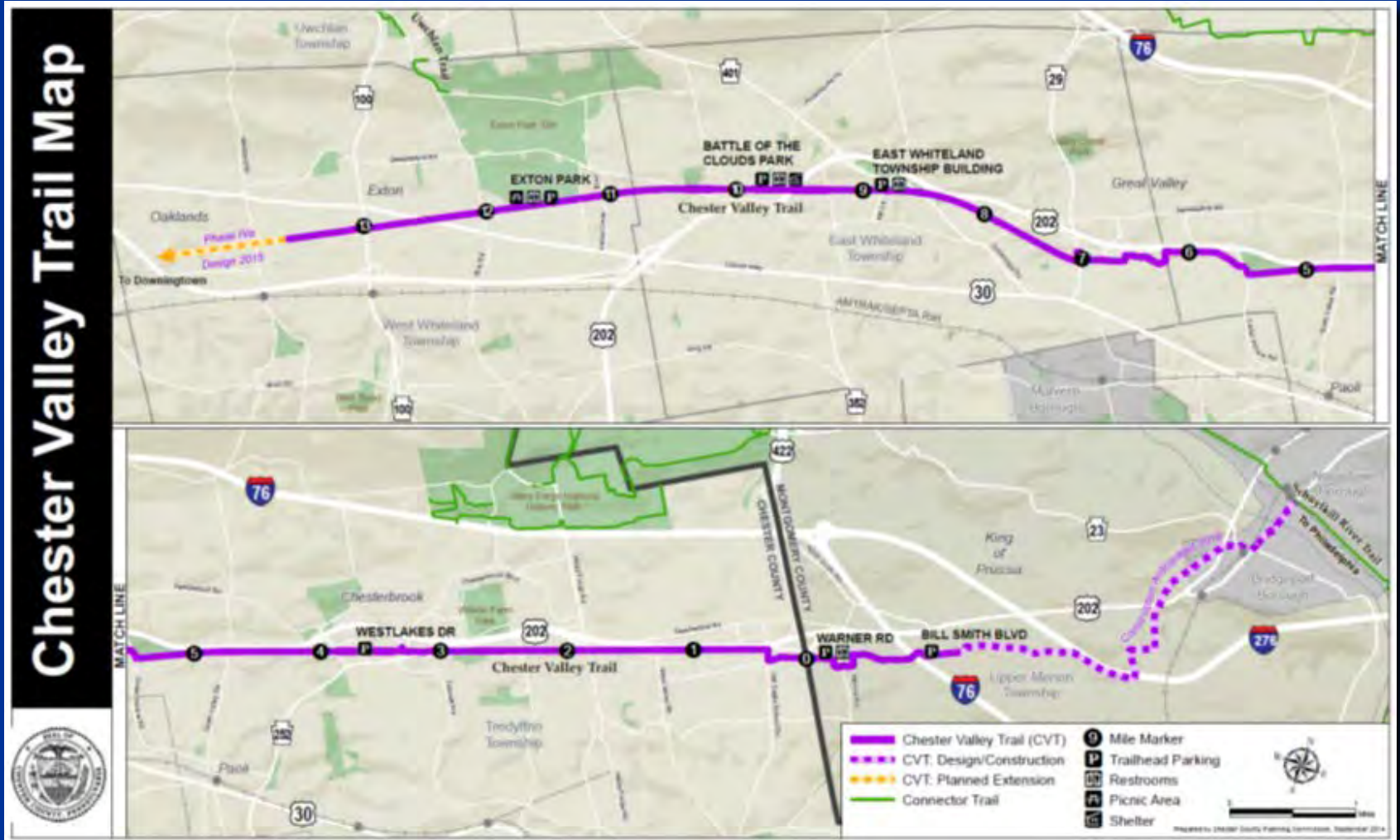


CHESTER VALLEY TRAIL EXTENSION

Study Purpose

- Determine a **recommended alignment** for extension of the Chester Valley Trail (CVT) and connections to the Struble Trail and East Branch Brandywine Trail (EBBT);
- Develop an **estimate of probable development costs** for the recommended alignment;
- Identify **maintenance & management responsibilities** and **potential funding sources**; and,
- Recommend an **implementation strategy** to move the trail towards final engineering and construction.

Chester Valley Trail



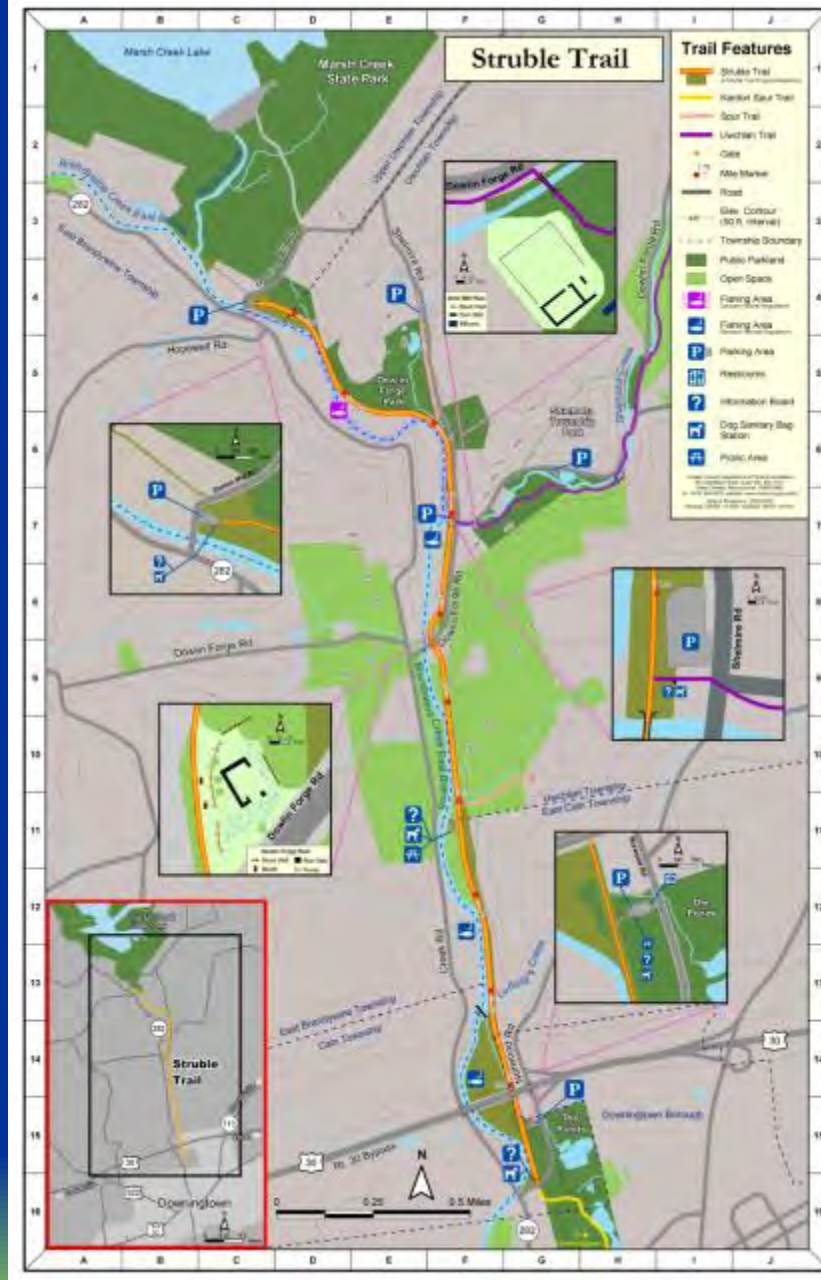
2015: 350,000 trail users

CHESTER VALLEY TRAIL EXTENSION

Struble Trail



2015: **115,000** trail users



CHESTER VALLEY TRAIL EXTENSION

East Branch Brandywine Trail

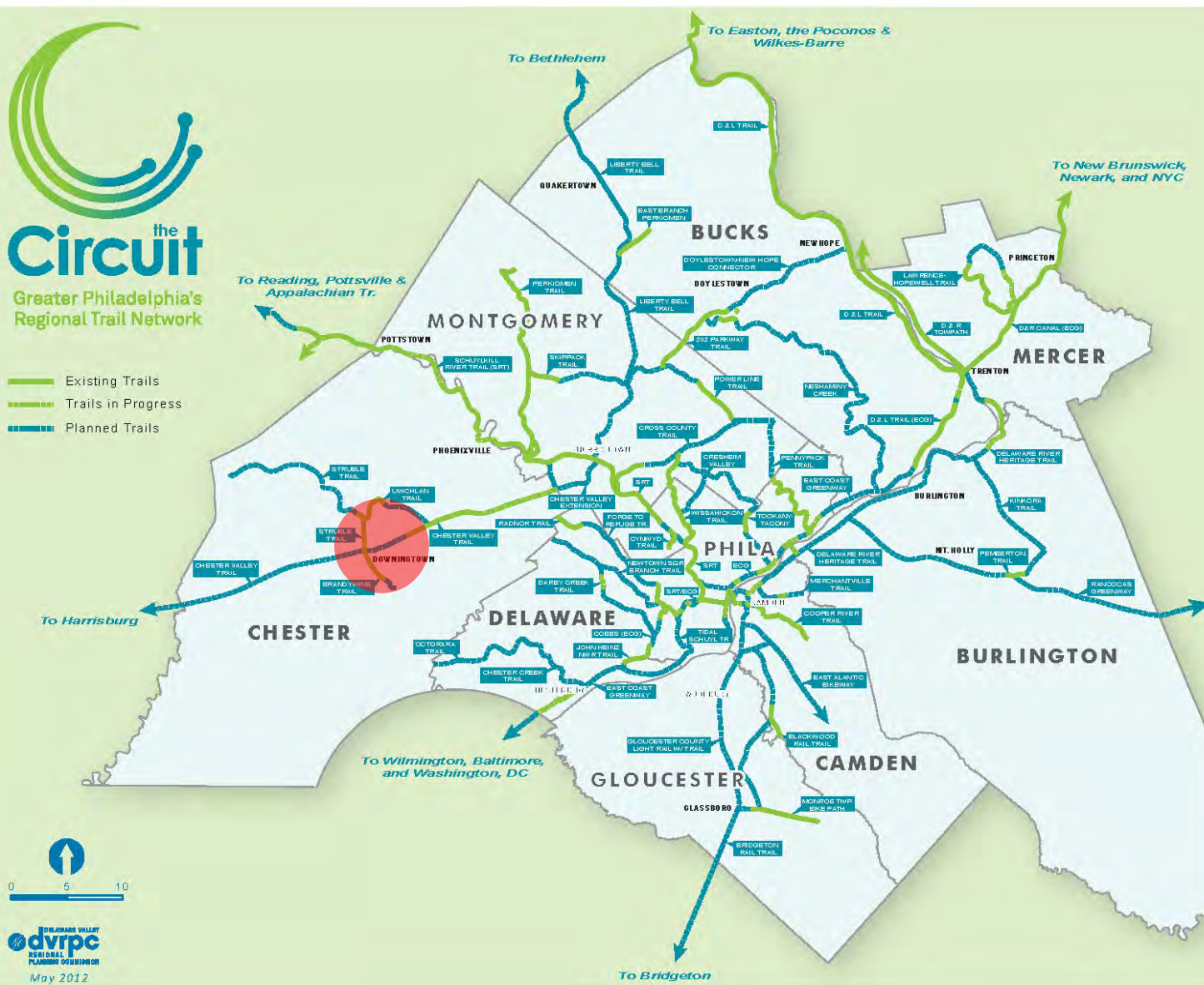


**Developed and Maintained by
East Bradford & West Bradford
Townships**





- Existing Trails
- Trails in Progress
- Planned Trails

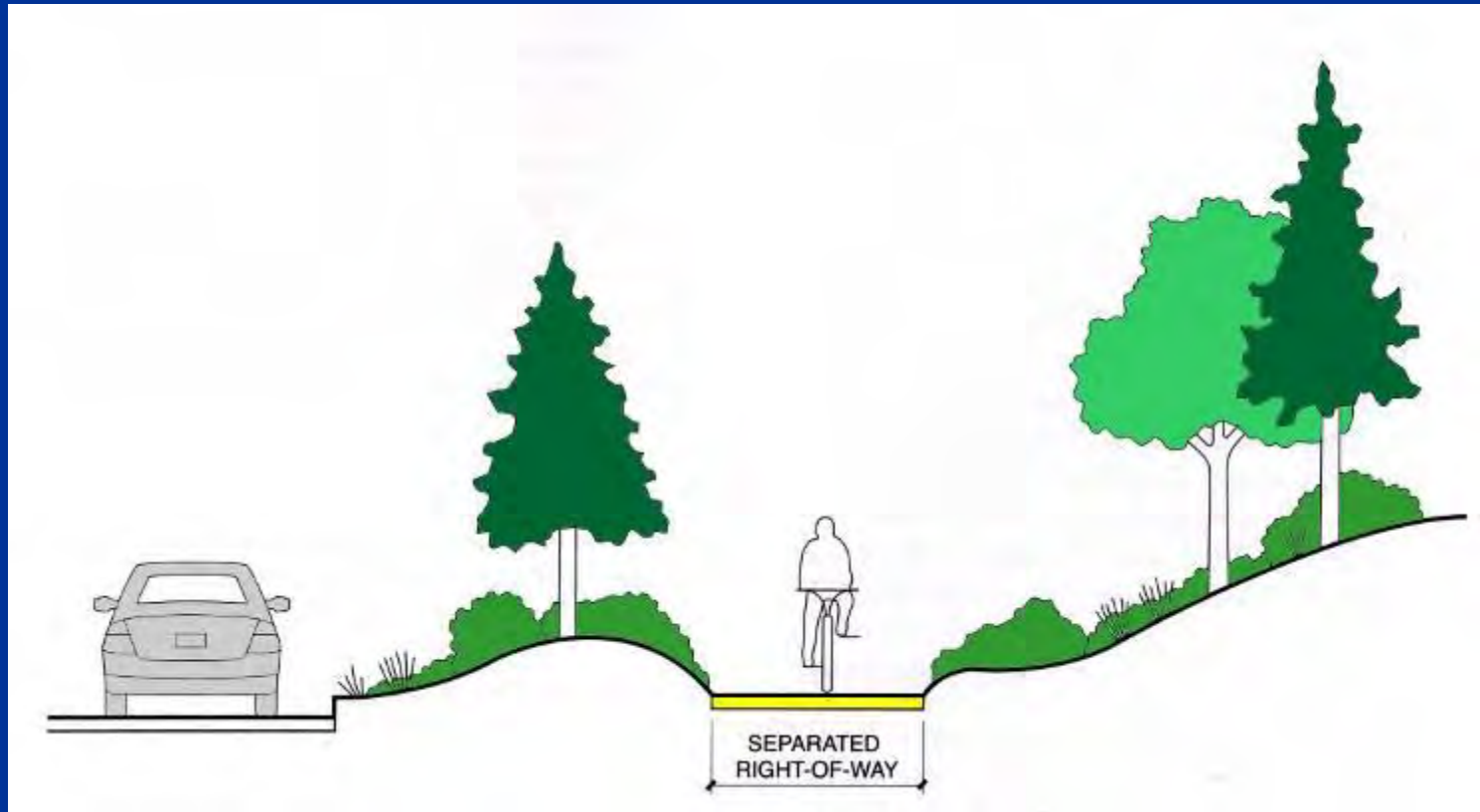


CHESTER VALLEY TRAIL EXTENSION

Alternatives Analysis

CHESTER VALLEY TRAIL EXTENSION

Multi-Use Trail



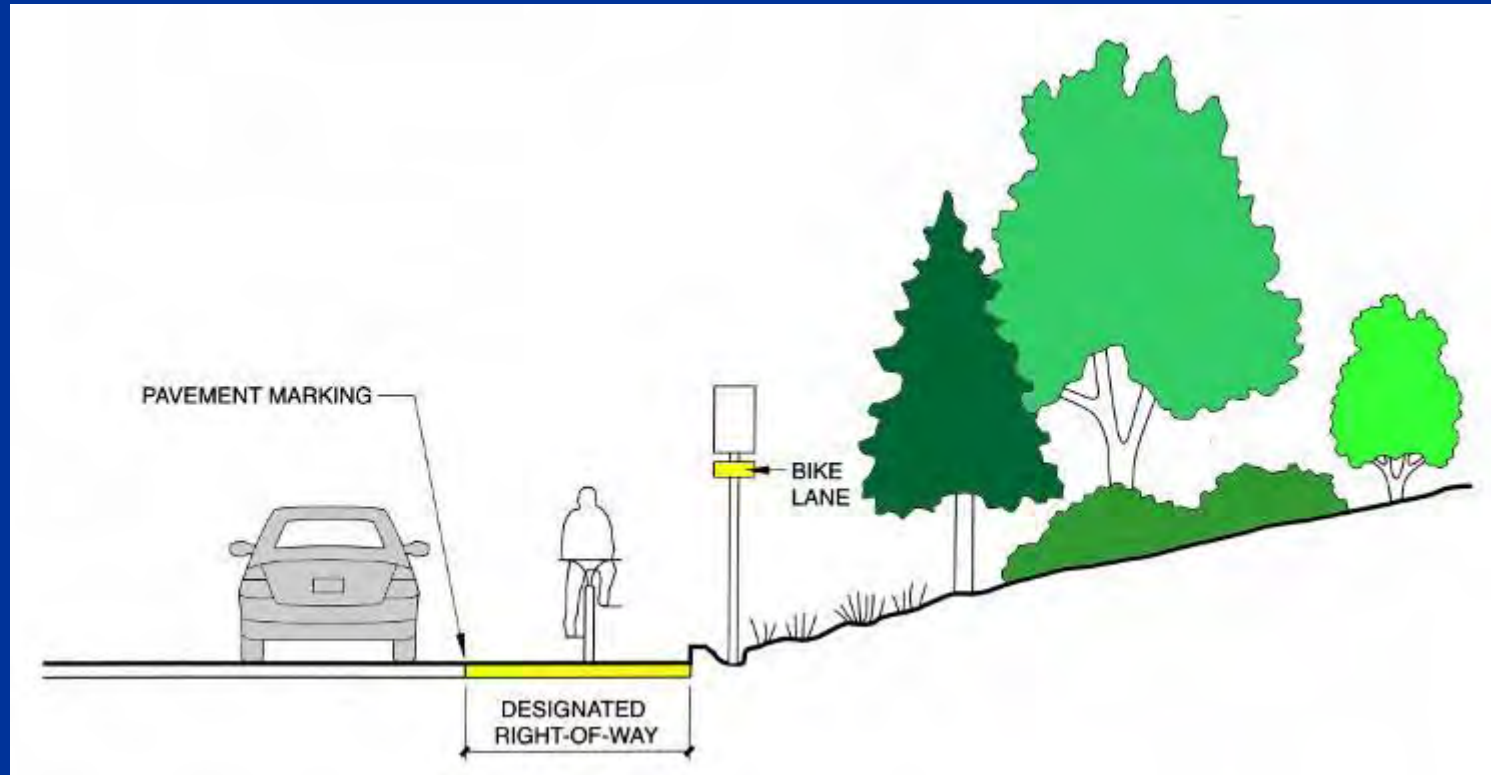
Bicycle/pedestrian facility that is completely separated from the roadway. Variations include 'Sidepaths**' and '**Cycle Tracks**' when located within or adjacent to the roadway.**

Cycle Tracks



CHESTER VALLEY TRAIL EXTENSION

Bike Lanes



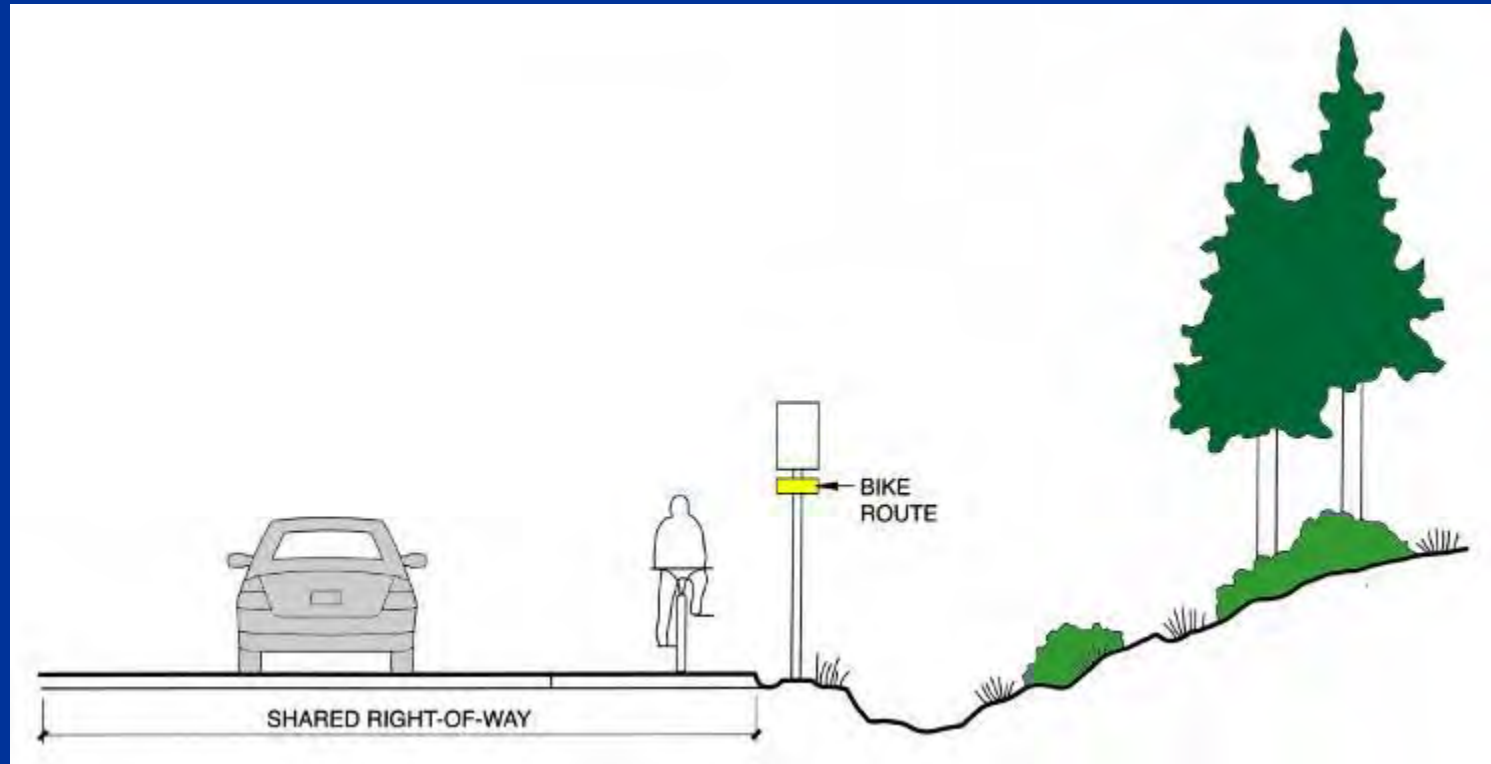
Designated lanes within a roadway for exclusive use of the cyclist. Contains special pavement markings and signage. Bike lanes are **one-way flowing in the direction of motor vehicle traffic.**

Bike Lanes



CHESTER VALLEY TRAIL EXTENSION

Bike Routes



Bike Routes contain no special accommodation for the cyclist. Signs and sharrow pavement markings are used to define the route and the cyclist shares the roadway with vehicular traffic.

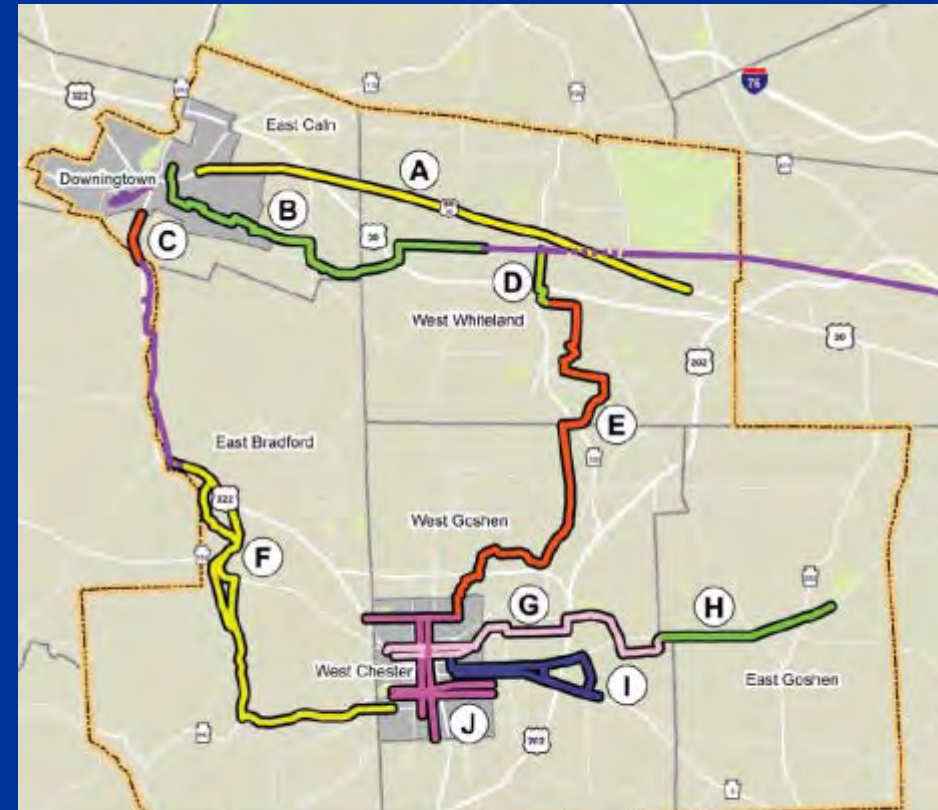
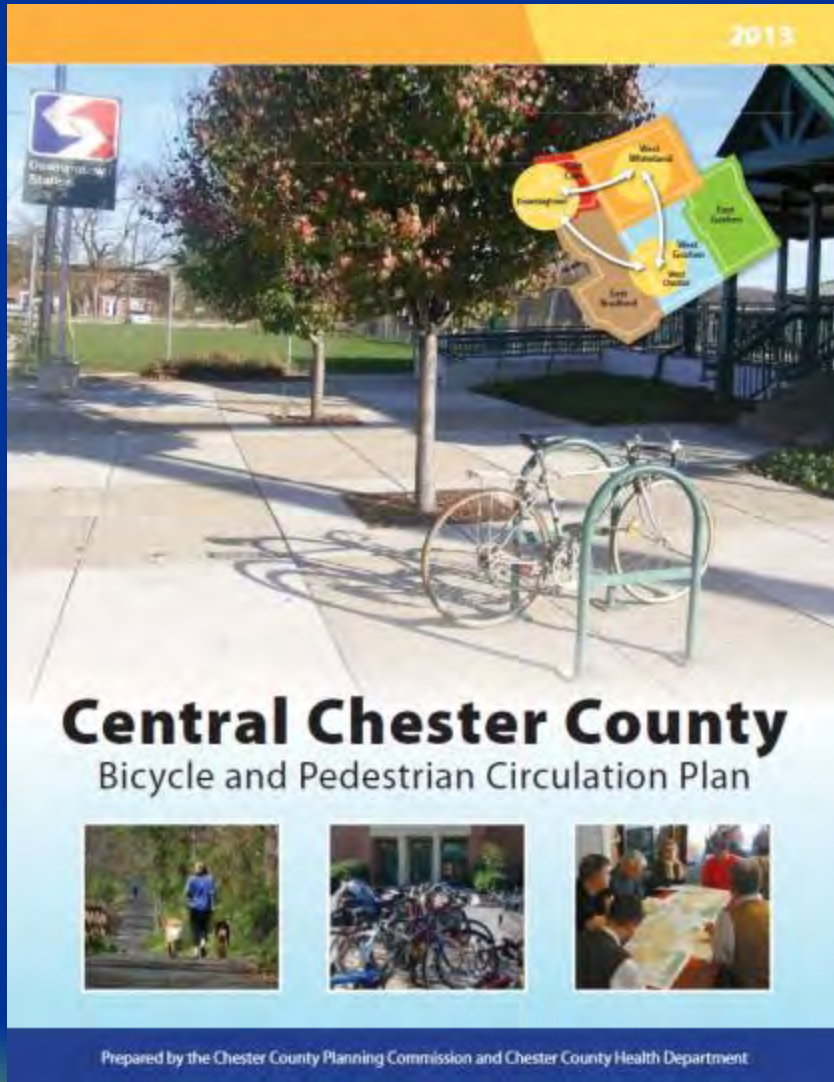
Bike Routes



www.pedbikeimages.org / Lyubov Zuyeva

CHESTER VALLEY TRAIL EXTENSION

Central Chester County Bike/Ped Circulation Plan

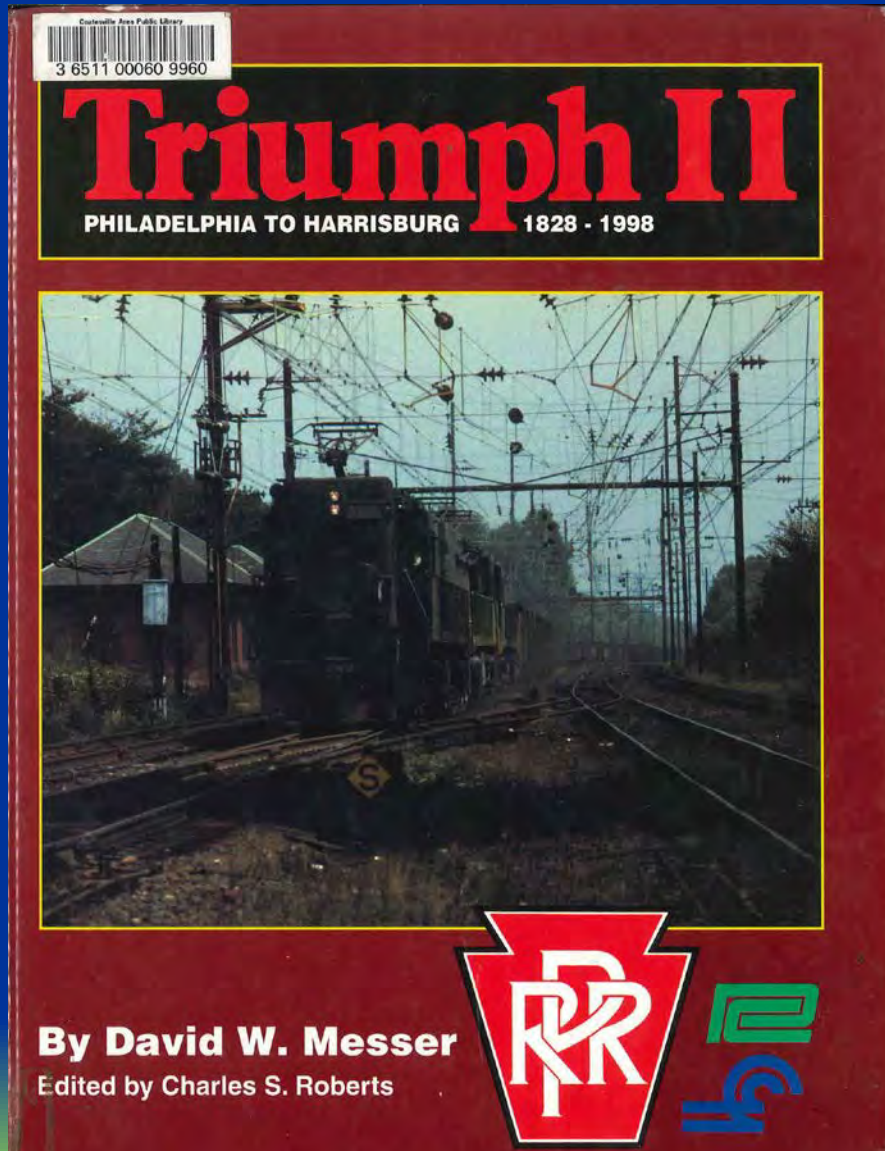


B. Chester Valley Trail (CVT)

This segment of the Chester Valley Trail will extend the trail from its current terminus in Exton to Downingtown, the Struble Trail, and East Branch Brandywine Trail. Proposed improvements include a multi-use trail, bike boulevard, bike lanes, three new bridges, three at-grade trail crossings, and signage.

CHESTER VALLEY TRAIL EXTENSION

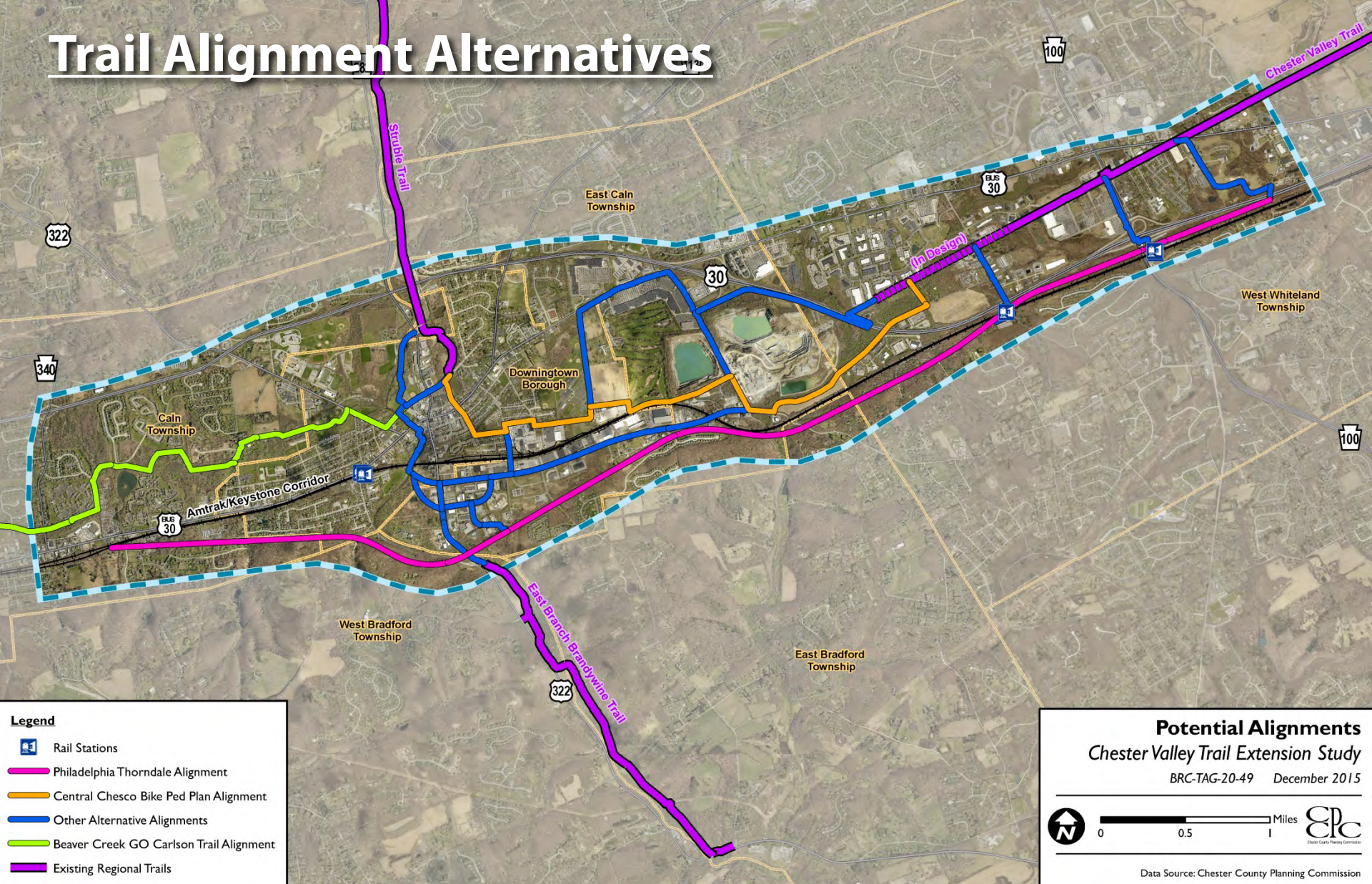
NS Philadelphia & Thorndale Branch (P&T) Fun Facts:



- Length: **10.5 miles** from Frazer to Thorndale;
- Completed in **April 1906**, it took **3.25 years to construct** at a cost of **\$3 million**;
- Involved over **2.6 million cubic yards of excavation and fill** for the railbed, and **100,000 cubic yards of masonry** for bridges and culverts;
- Whitford Bridge: **380 feet** long Parker Truss ; and,
- Downingtown Trestle: **1,451 feet** long, and **122 feet** high.

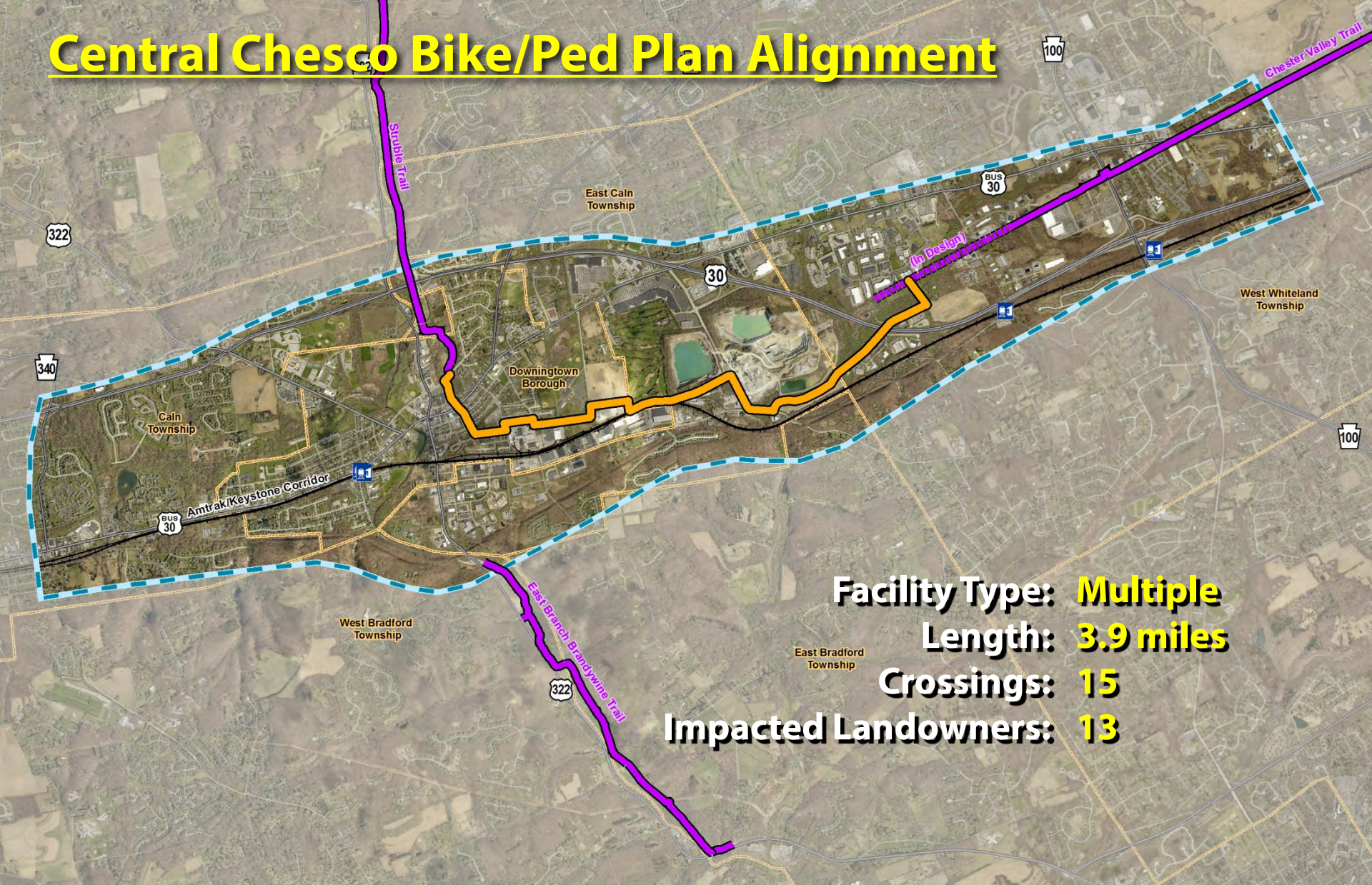
CHESTER VALLEY TRAIL EXTENSION

Trail Alignment Alternatives



CHESTER VALLEY TRAIL EXTENSION

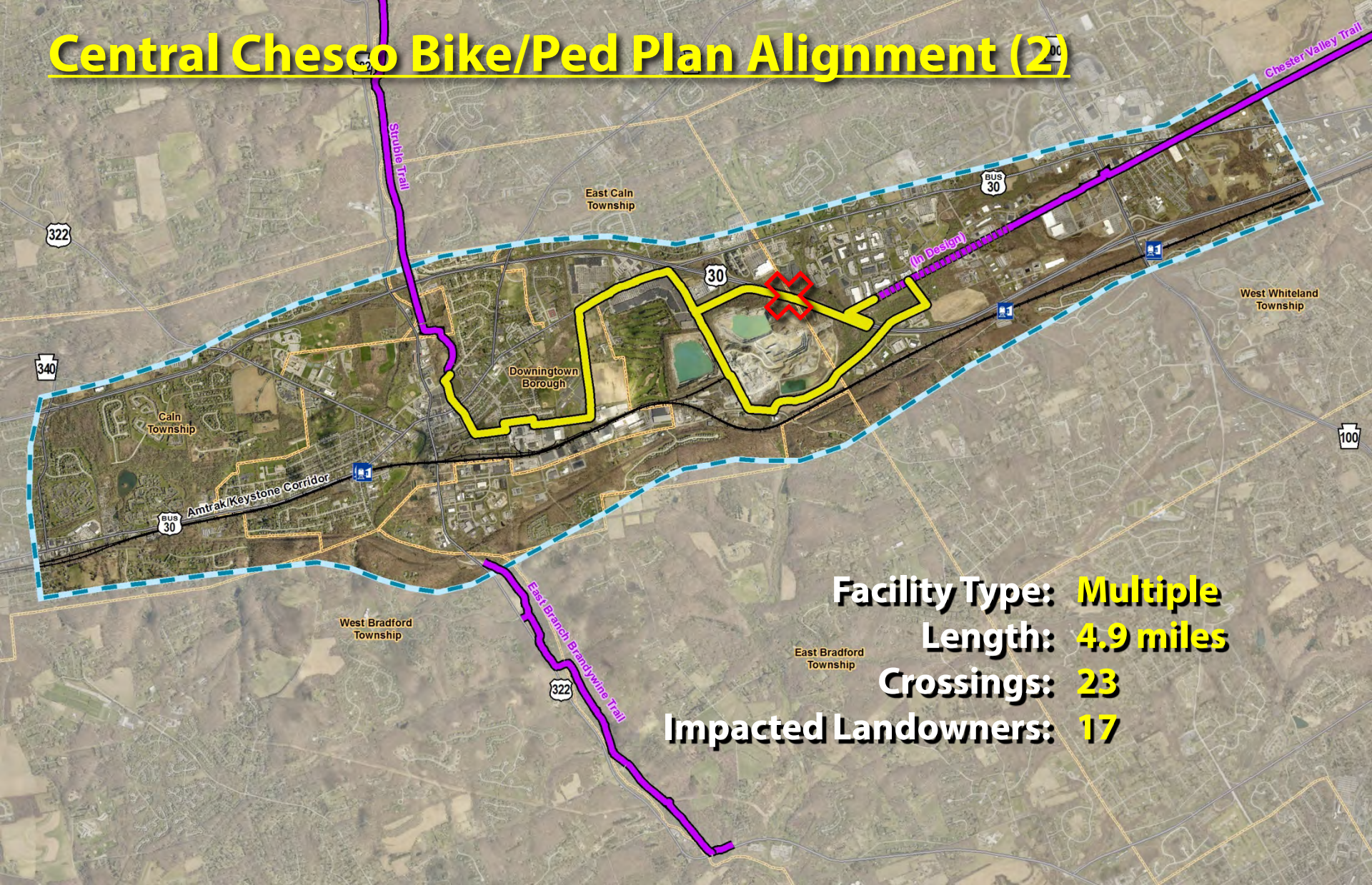
Central Chesco Bike/Ped Plan Alignment



Facility Type: **Multiple**
Length: **3.9 miles**
Crossings: **15**
Impacted Landowners: **13**

CHESTER VALLEY TRAIL EXTENSION

Central Chesco Bike/Ped Plan Alignment (2)



Facility Type: Multiple
Length: 4.9 miles
Crossings: 23
Impacted Landowners: 17

CHESTER VALLEY TRAIL EXTENSION

Quarry



© 2014 Pictometry

CHESTER VALLEY TRAIL EXTENSION



Brandywine Square



CHESTER VALLEY TRAIL EXTENSION

Brandywine Square



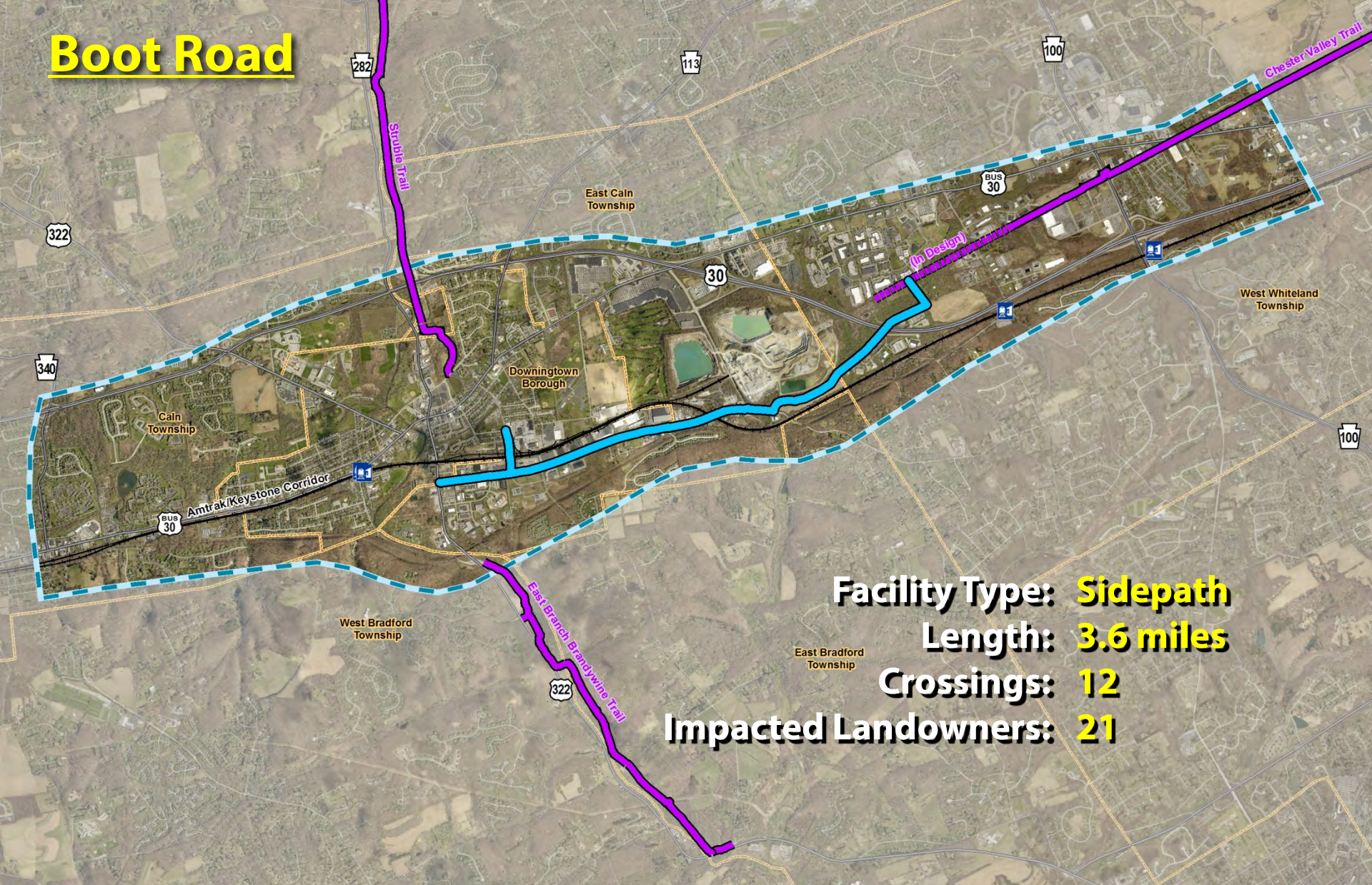
CHESTER VALLEY TRAIL EXTENSION

Woodbine Road



CHESTER VALLEY TRAIL EXTENSION

Boot Road



Facility Type: **Sidepath**

Length: **3.6 miles**

Crossings: **12**

Impacted Landowners: **21**

CHESTER VALLEY TRAIL EXTENSION

Boot Road



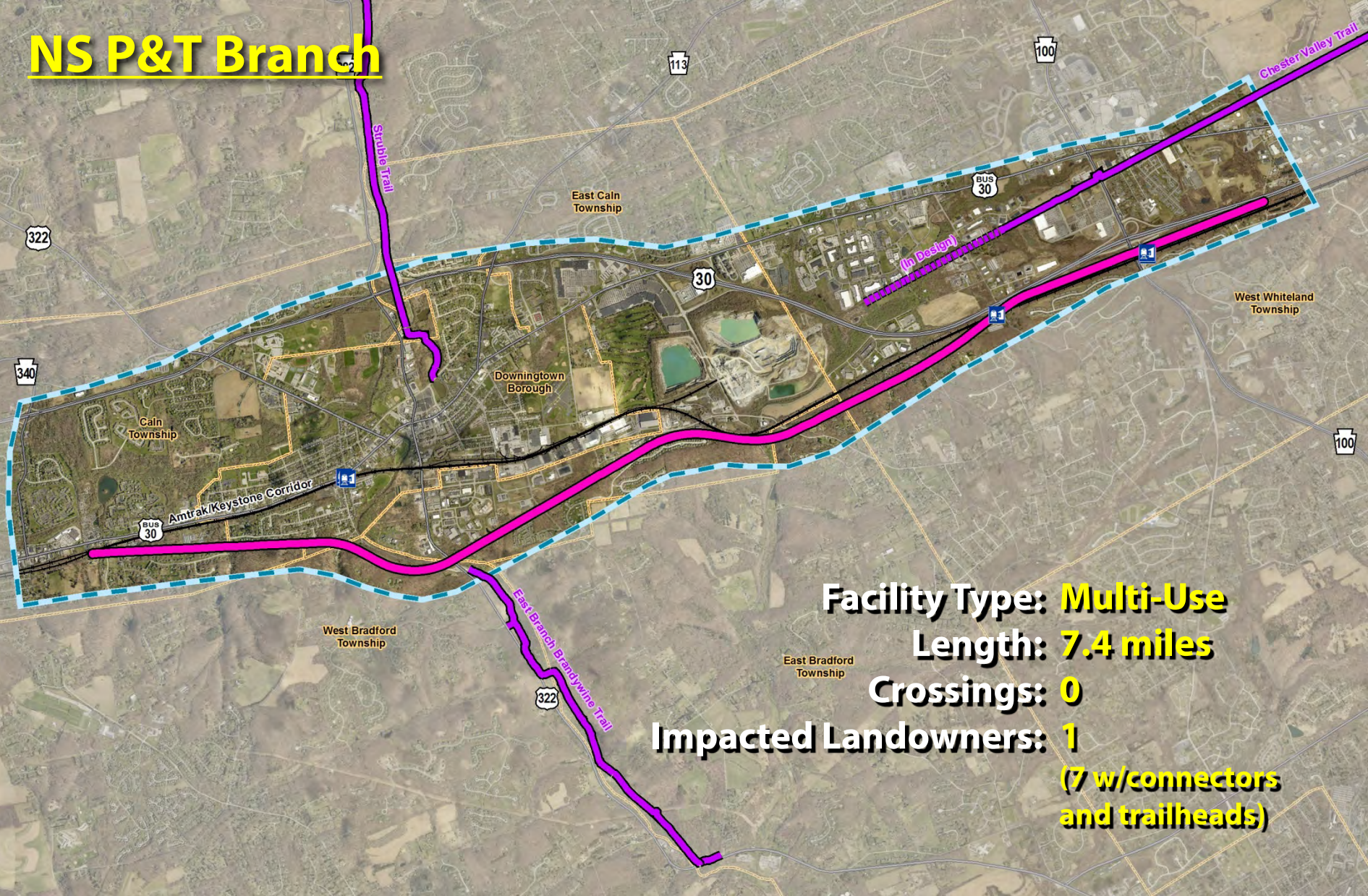
CHESTER VALLEY TRAIL EXTENSION

Boot Road



CHESTER VALLEY TRAIL EXTENSION

NS P&T Branch



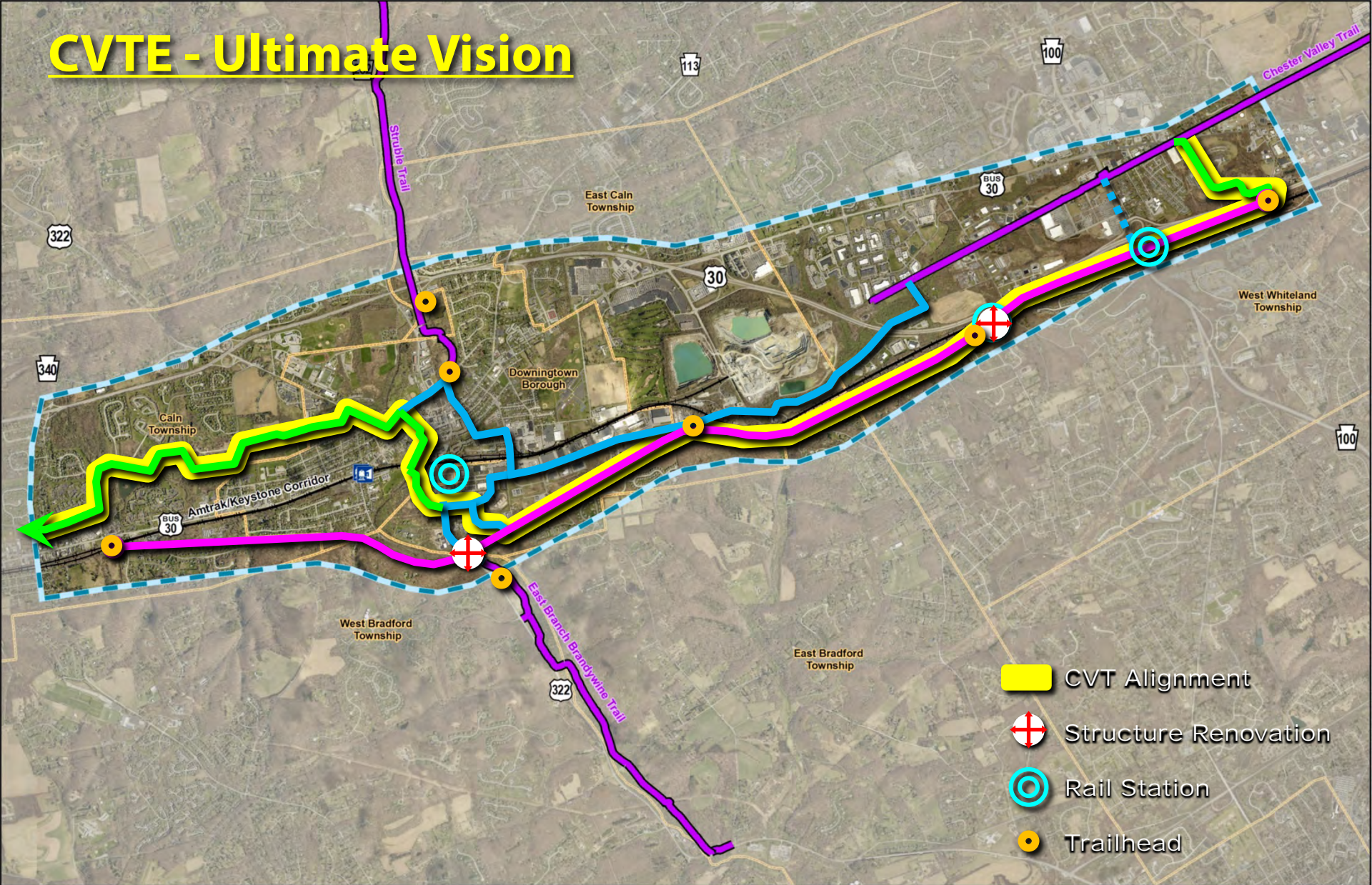
Facility Type: Multi-Use
Length: 7.4 miles
Crossings: 0
Impacted Landowners: 1
(7 w/connectors and trailheads)

CHESTER VALLEY TRAIL EXTENSION

DRAFT Recommended Alignment

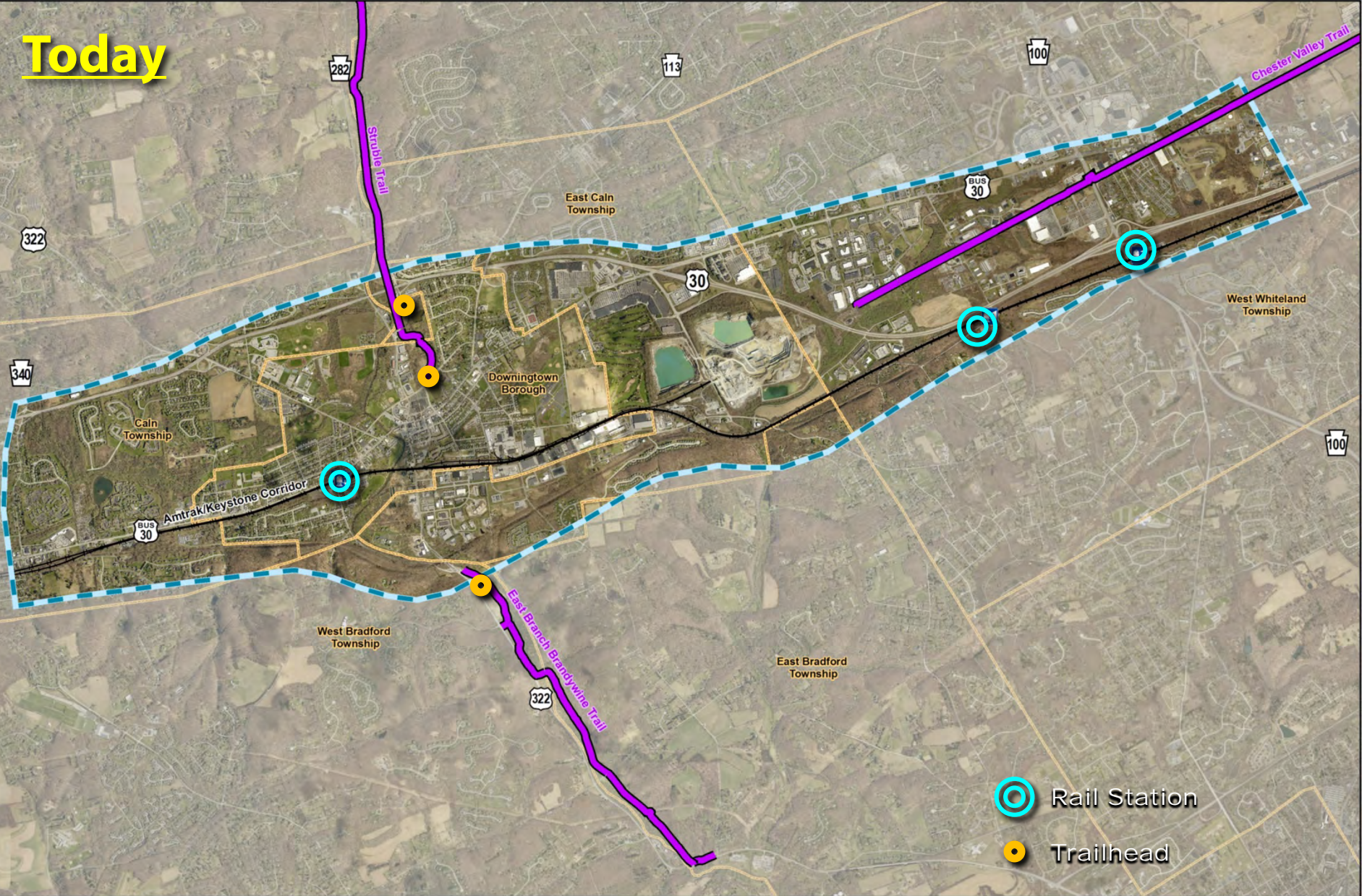
C H E S T E R V A L L E Y T R A I L E X T E N S I O N

CVTE - Ultimate Vision



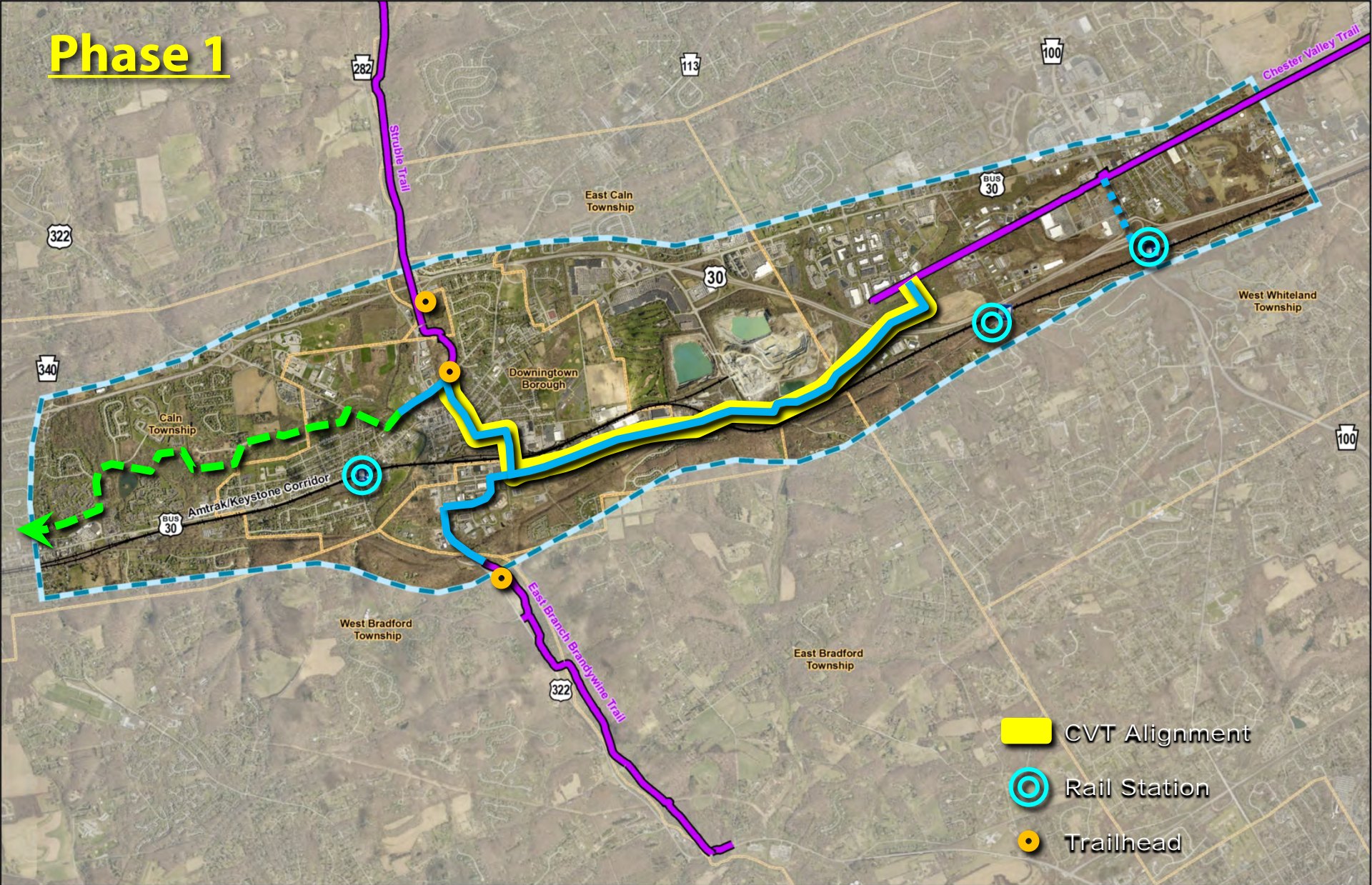
CHESTER VALLEY TRAIL EXTENSION

Today



CHESTER VALLEY TRAIL EXTENSION

Phase 1



CHESTER VALLEY TRAIL EXTENSION

Clover Mill Rd.



CHESTER VALLEY TRAIL EXTENSION

Clover Mill Rd.



CHESTER VALLEY TRAIL EXTENSION

EBBT



CHESTER VALLEY TRAIL EXTENSION



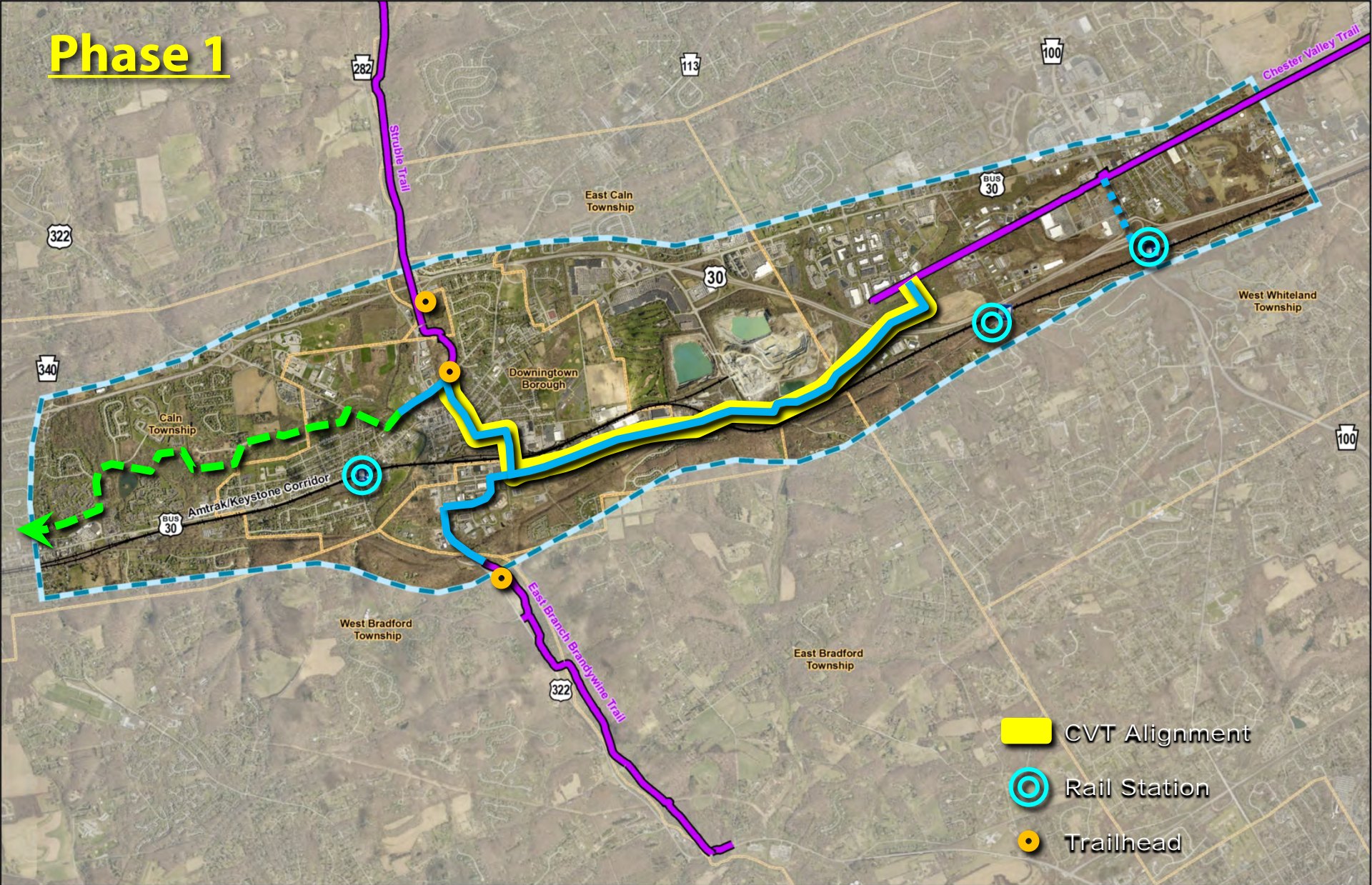
CHESTER VALLEY TRAIL EXTENSION

Struble



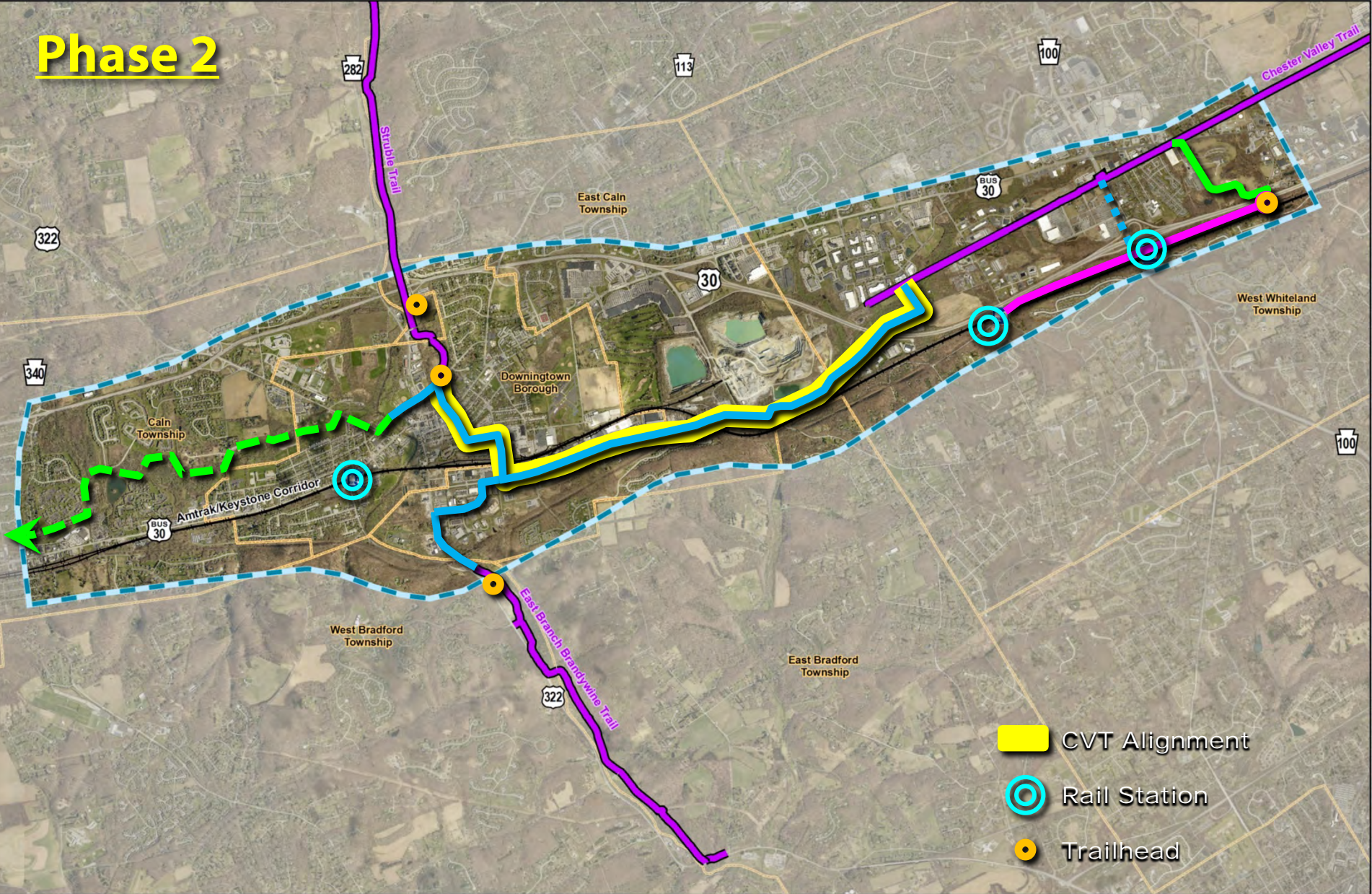
CHESTER VALLEY TRAIL EXTENSION

Phase 1



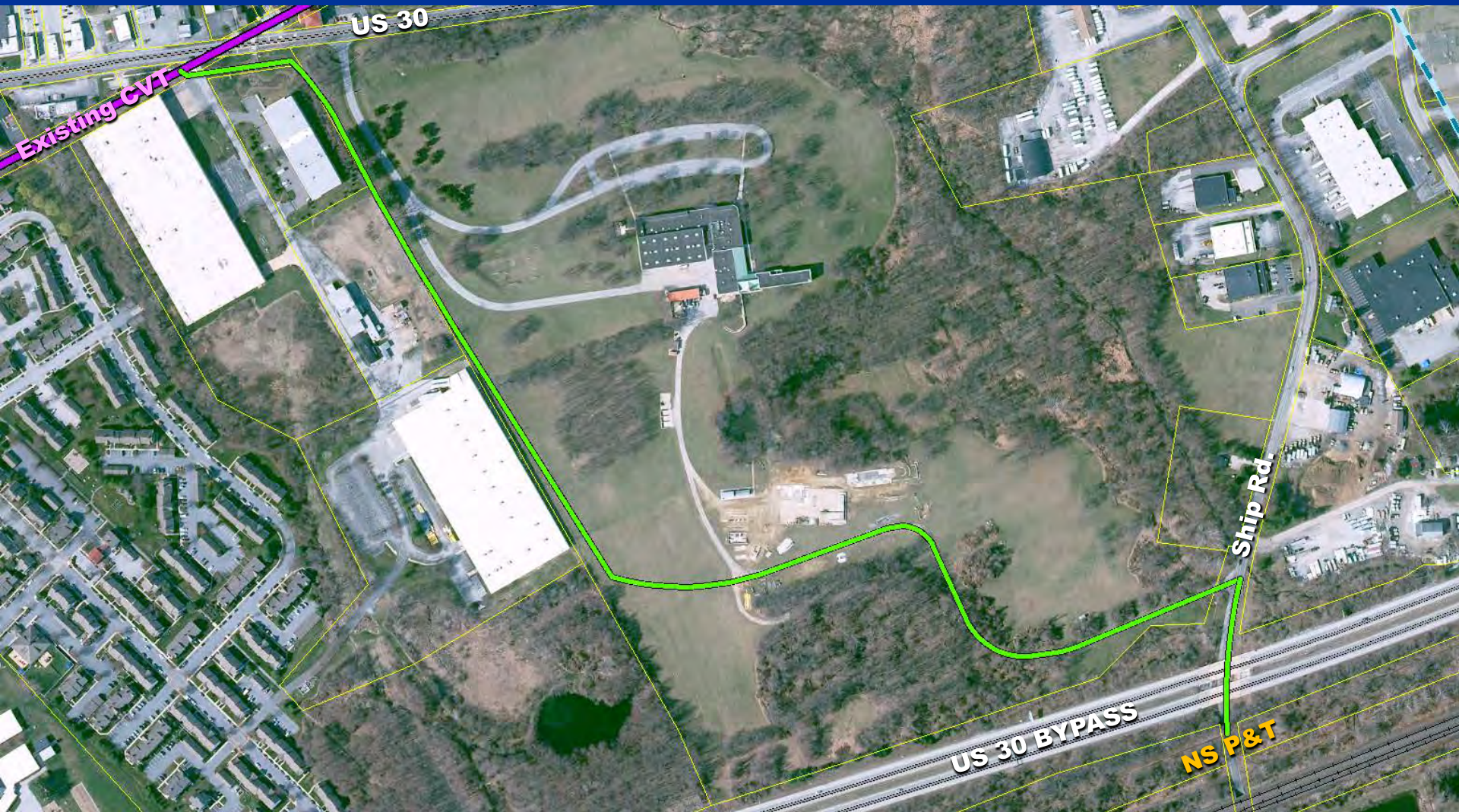
CHESTER VALLEY TRAIL EXTENSION

Phase 2



CHESTER VALLEY TRAIL EXTENSION

Phase 2



CHESTER VALLEY TRAIL EXTENSION

Ship Rd.



CHESTER VALLEY TRAIL EXTENSION

NS P&T



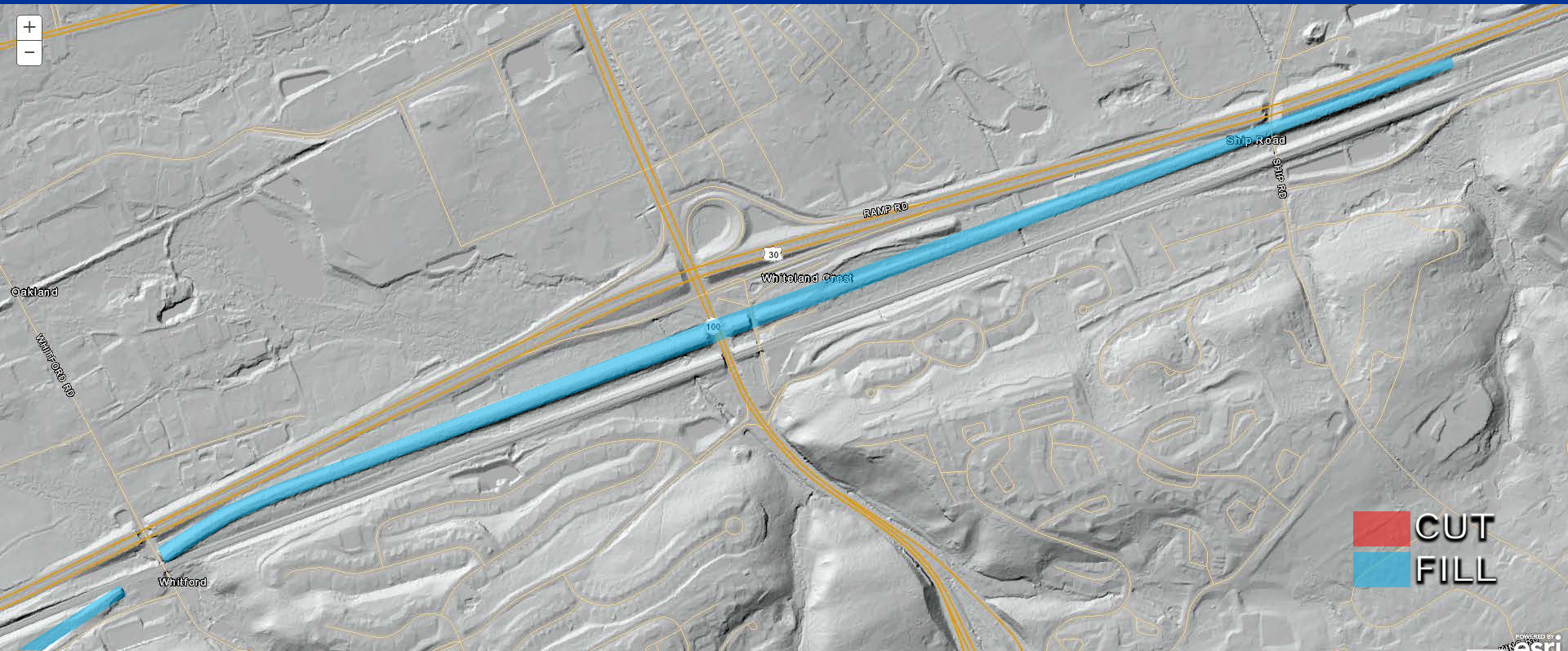
CHESTER VALLEY TRAIL EXTENSION

NS P&T



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Digital Elevation Model



CHESTER VALLEY TRAIL EXTENSION

Philadelphia/Thorndale Rail Corridor

SEPTA/Amtrak's Exton Station

Phila/Thorndale Line

Amtrak/Keystone Corridor

© 2014 Pictometry

CHESTER VALLEY TRAIL EXTENSION

NS P&T – PA 100 Bridge



CHESTER VALLEY TRAIL EXTENSION

NS P&T - Exton



CHESTER VALLEY TRAIL EXTENSION

NS P&T - Exton



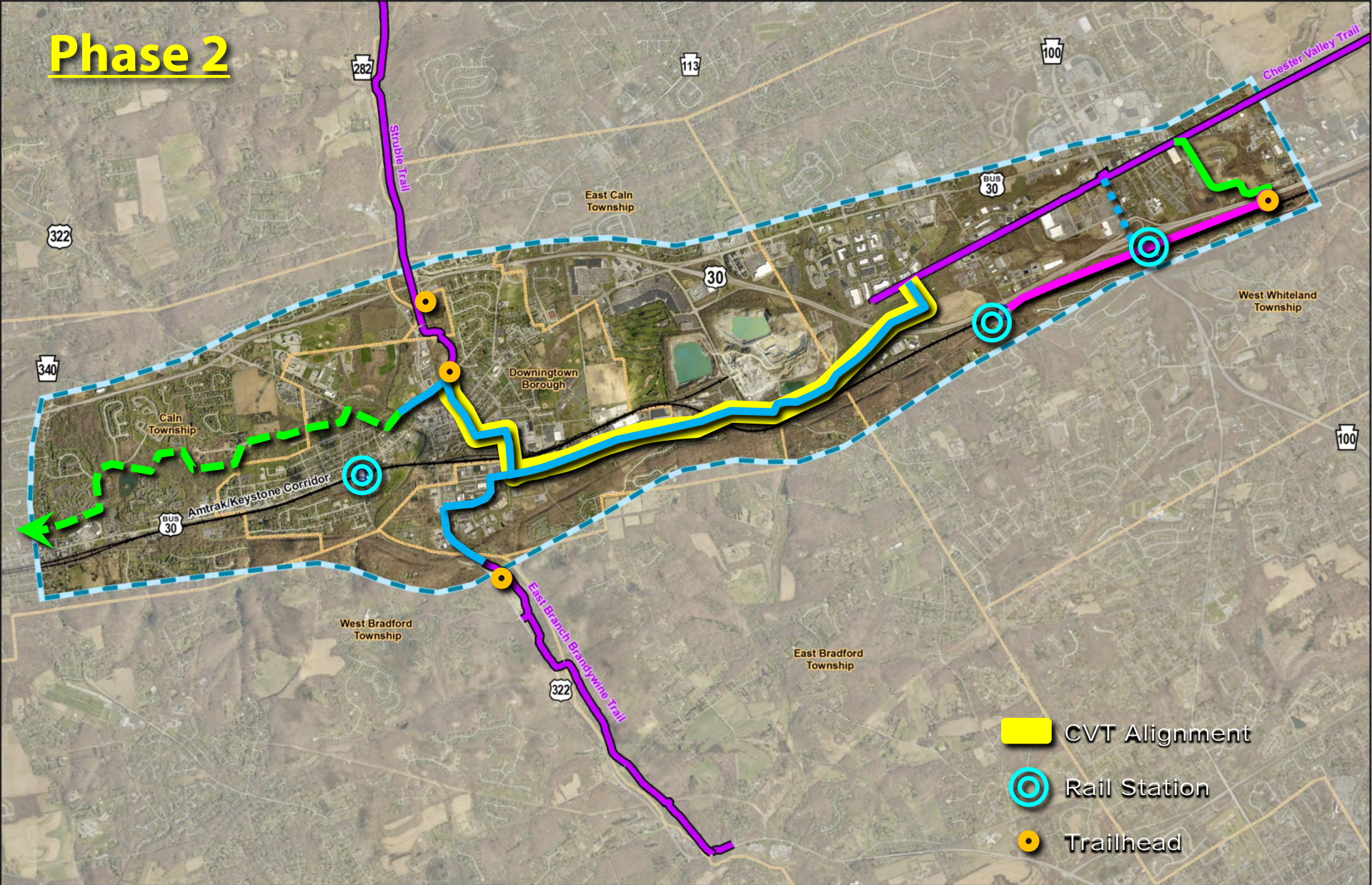
CHESTER VALLEY TRAIL EXTENSION

NS P&T – Whitford Bridge



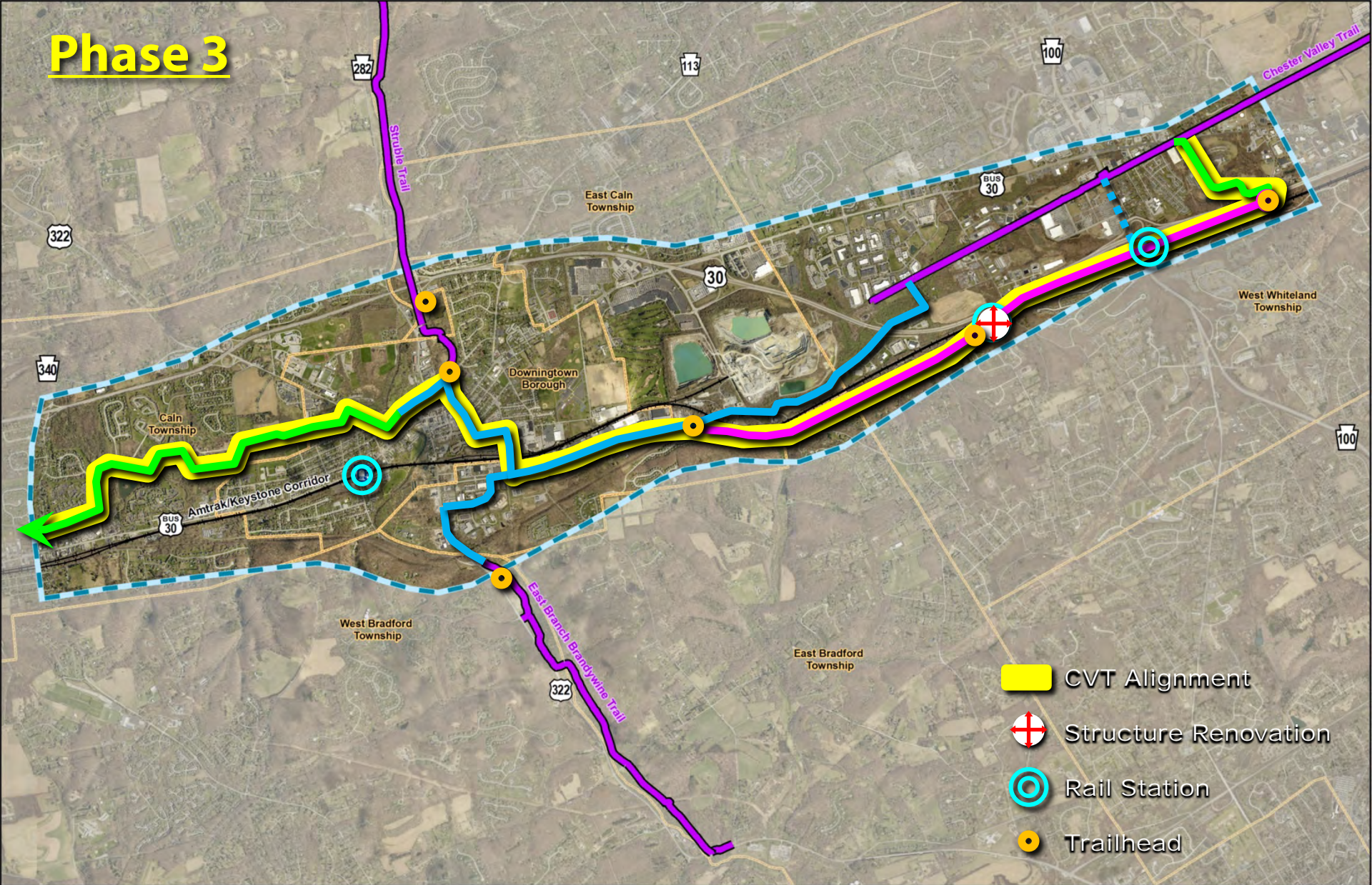
CHESTER VALLEY TRAIL EXTENSION

Phase 2



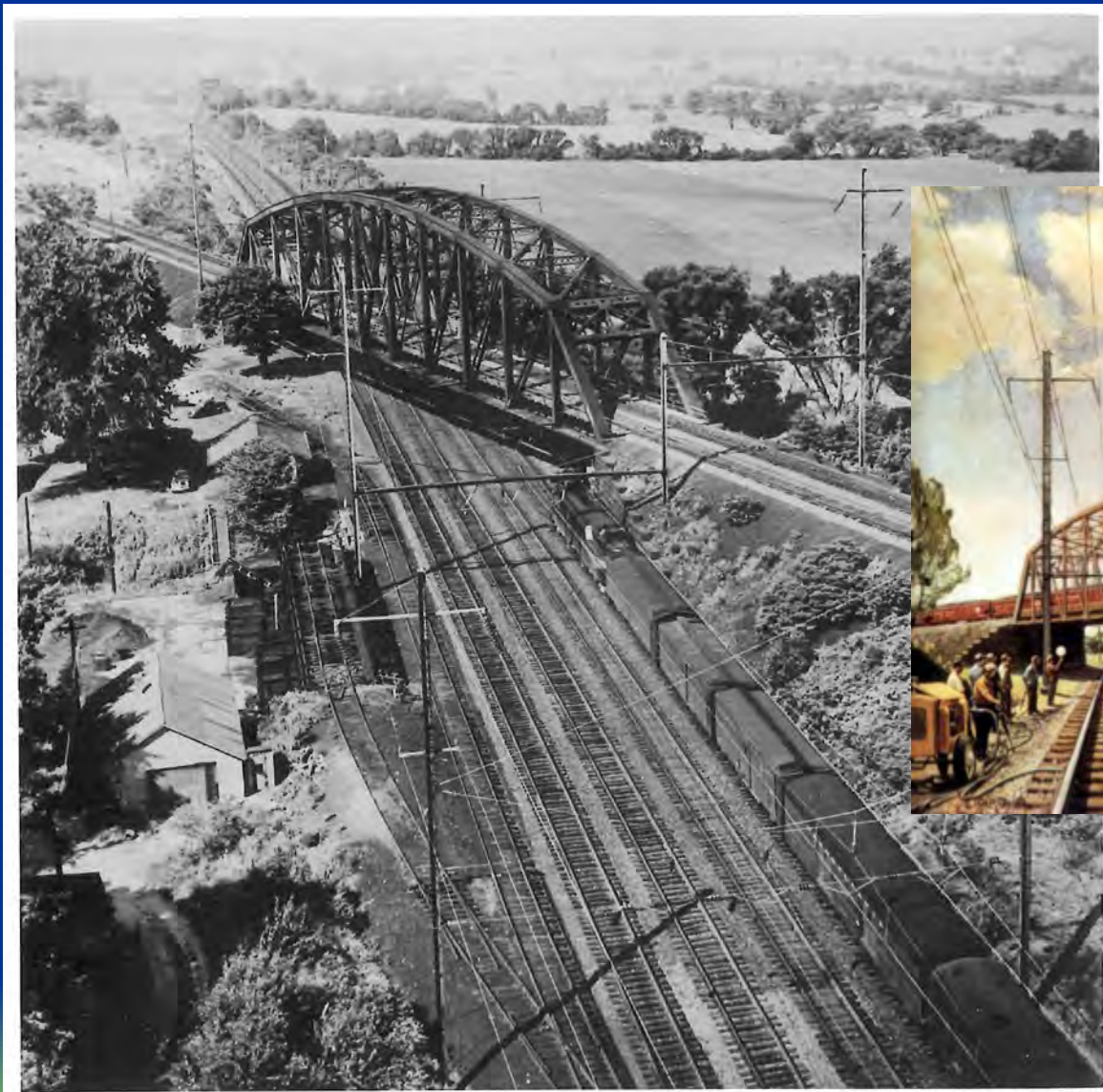
CHESTER VALLEY TRAIL EXTENSION

Phase 3



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Whitford Bridge



Tom Hollyman-Penn Central Railroad Collection/Pennsylvania State Archives



"Main Lines—Freight and Passenger"
by Grif Teller

CHESTER VALLEY TRAIL EXTENSION

Philadelphia/Thorndale Rail Corridor

SEPTA's Whitford Station

Phila/Thorndale Line

Amtrak/Keystone Corridor

© 2014 Pictometry

CHESTER VALLEY TRAIL EXTENSION

NS P&T - Whitford



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Digital Elevation Model



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Near Boot Road



CHESTER VALLEY TRAIL EXTENSION

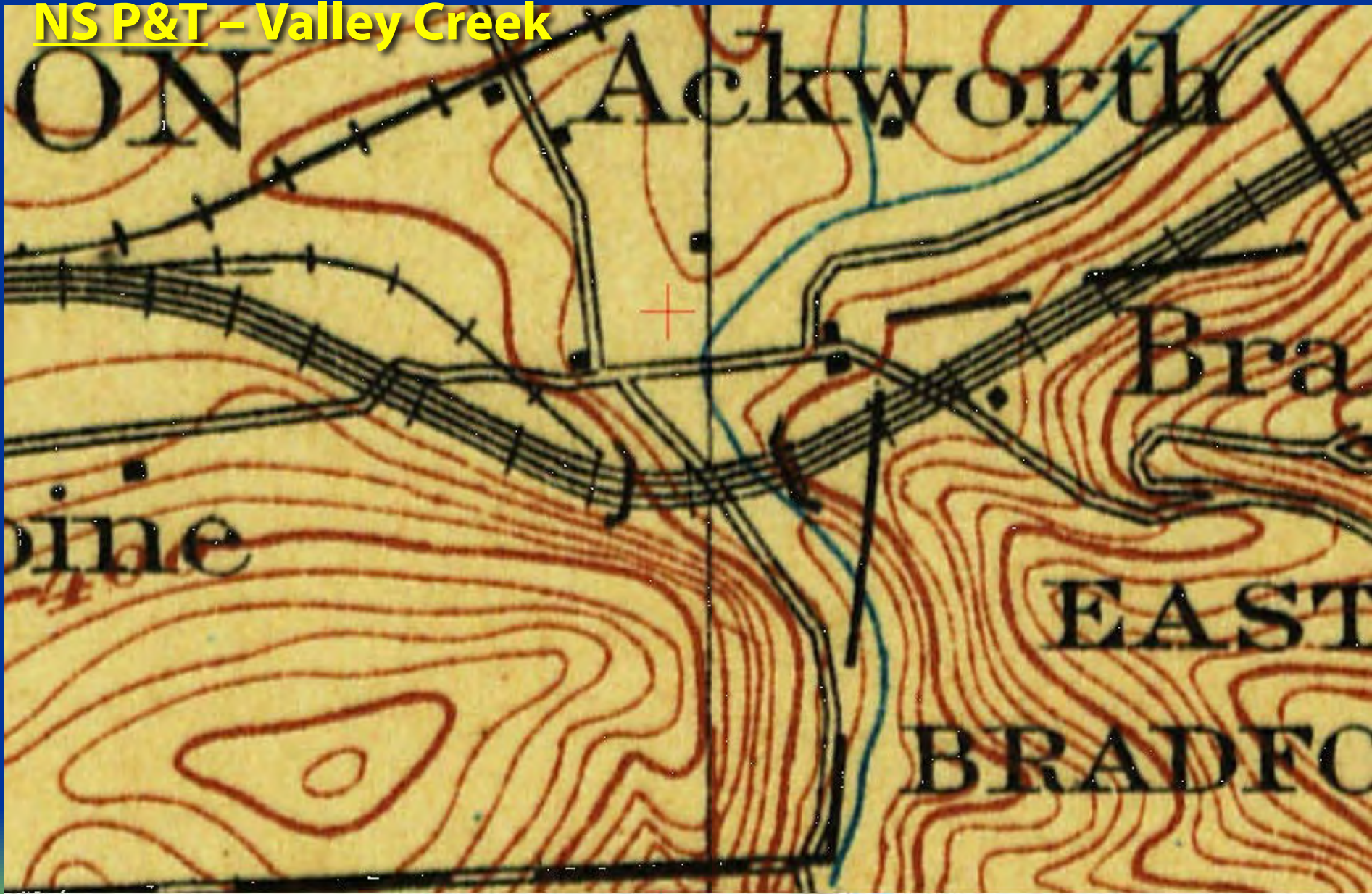
NS P&T – Valley Creek



Ted Xaras Collection

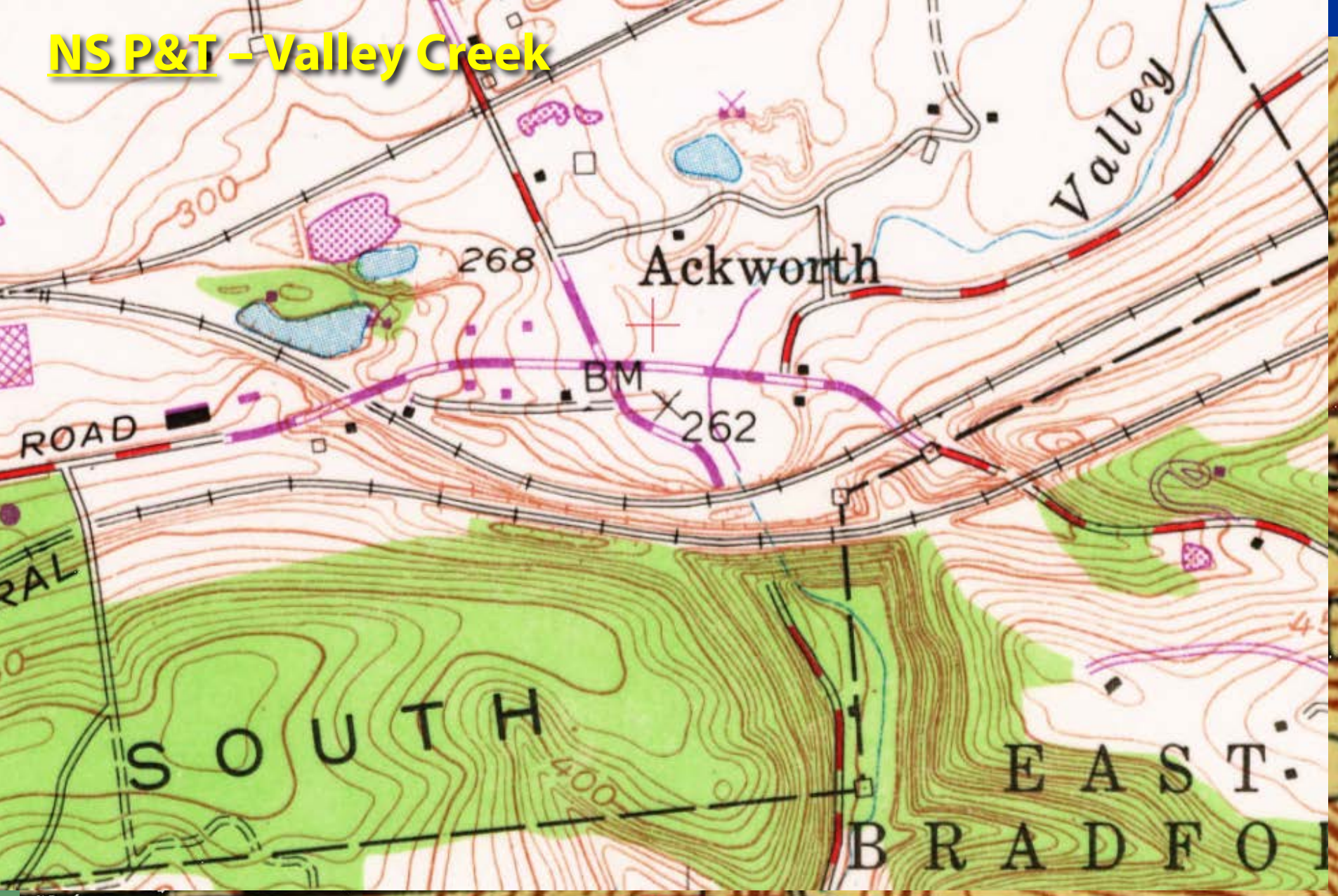
CHESTER VALLEY TRAIL EXTENSION

NS P&T – Valley Creek



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Valley Creek



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Valley Creek



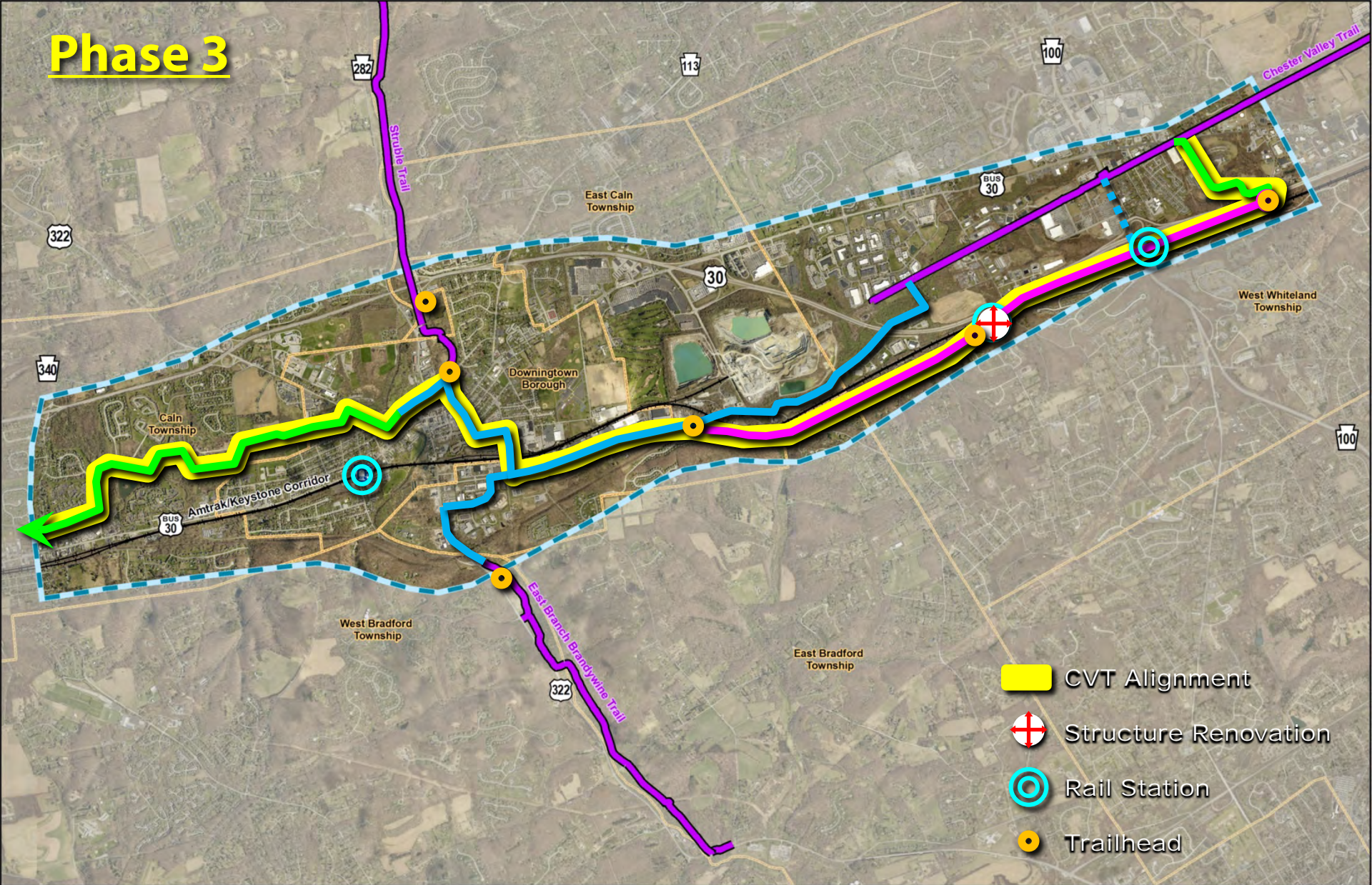
CHESTER VALLEY TRAIL EXTENSION

NS P&T – Near Southwind Rd.



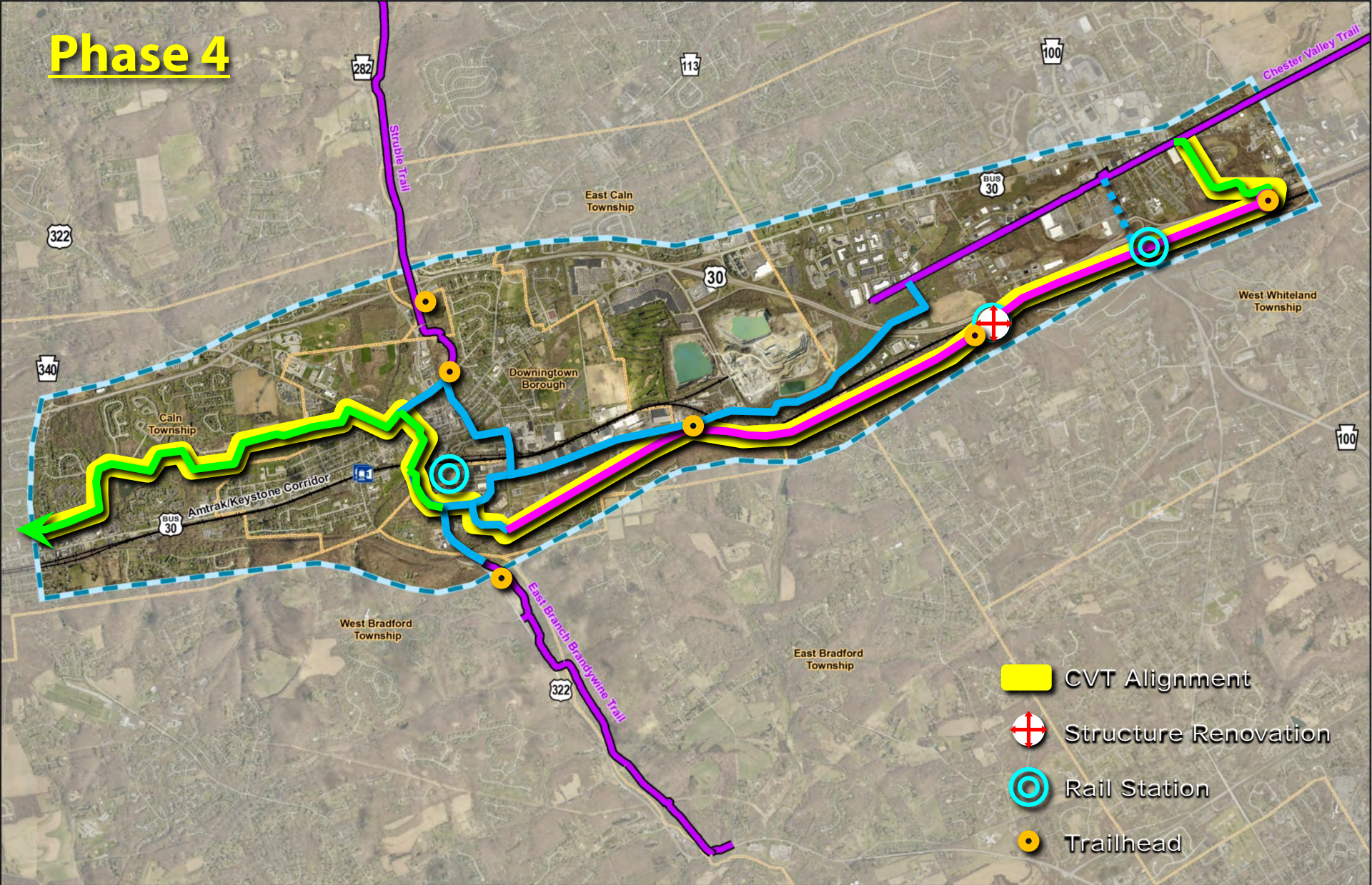
CHESTER VALLEY TRAIL EXTENSION

Phase 3



CHESTER VALLEY TRAIL EXTENSION

Phase 4



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Digital Elevation Model



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Skelp Level Rd.



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Near Skelp Level Rd.



CHESTER VALLEY TRAIL EXTENSION

NS P&T – East of Trestle



CHESTER VALLEY TRAIL EXTENSION

NS P&T – East of Trestle



CHESTER VALLEY TRAIL EXTENSION

NS P&T – East of Trestle



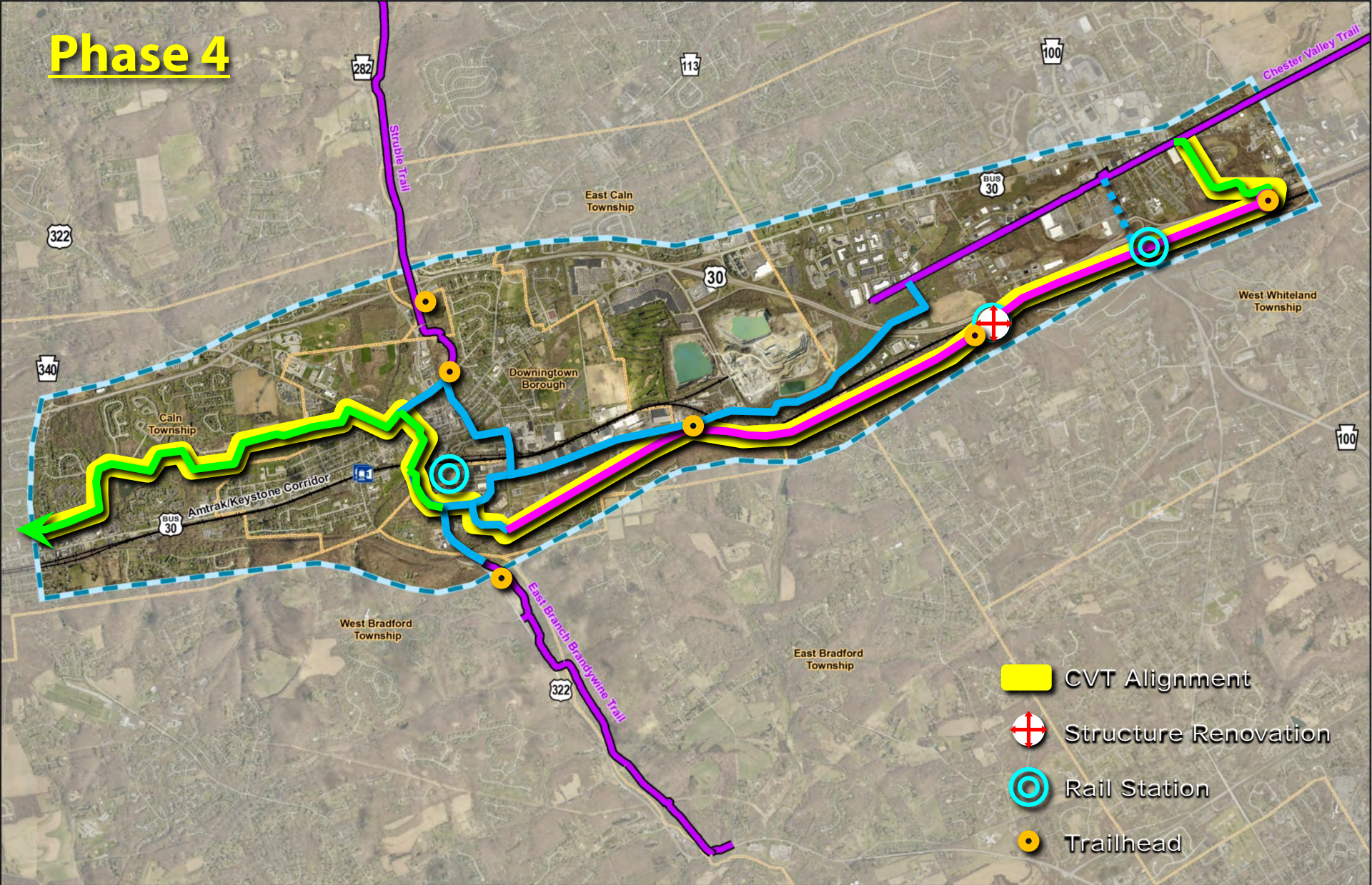
CHESTER VALLEY TRAIL EXTENSION

Struble



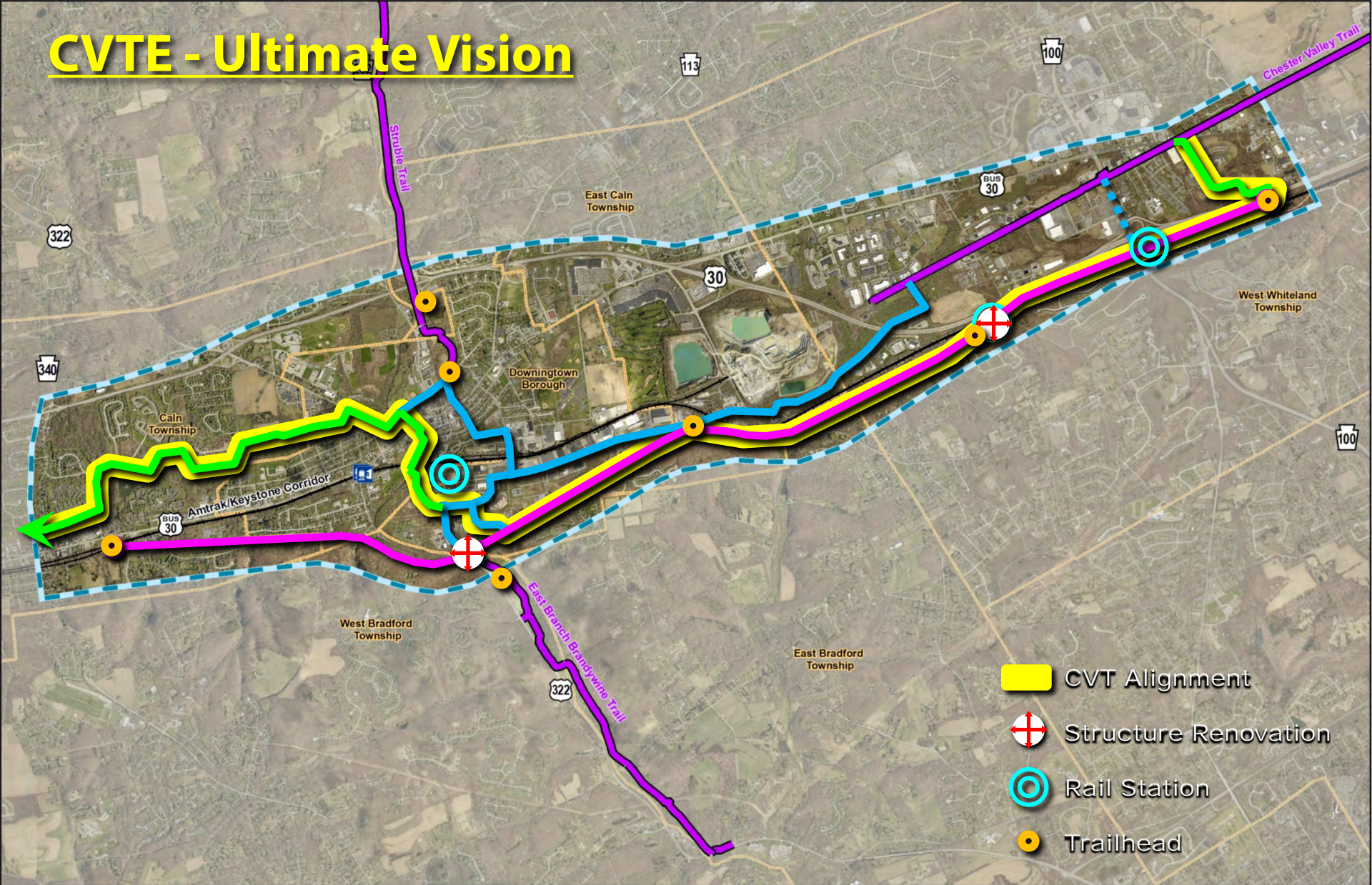
CHESTER VALLEY TRAIL EXTENSION

Phase 4



CHESTER VALLEY TRAIL EXTENSION

CVTE - Ultimate Vision



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Brandywine Valley Viaduct (D'town Trestle)



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Downingtown Trestle



Jay W. Byerly Collection

CHESTER VALLEY TRAIL EXTENSION

NS P&T – West of Trestle



CHESTER VALLEY TRAIL EXTENSION

NS P&T – West of Trestle



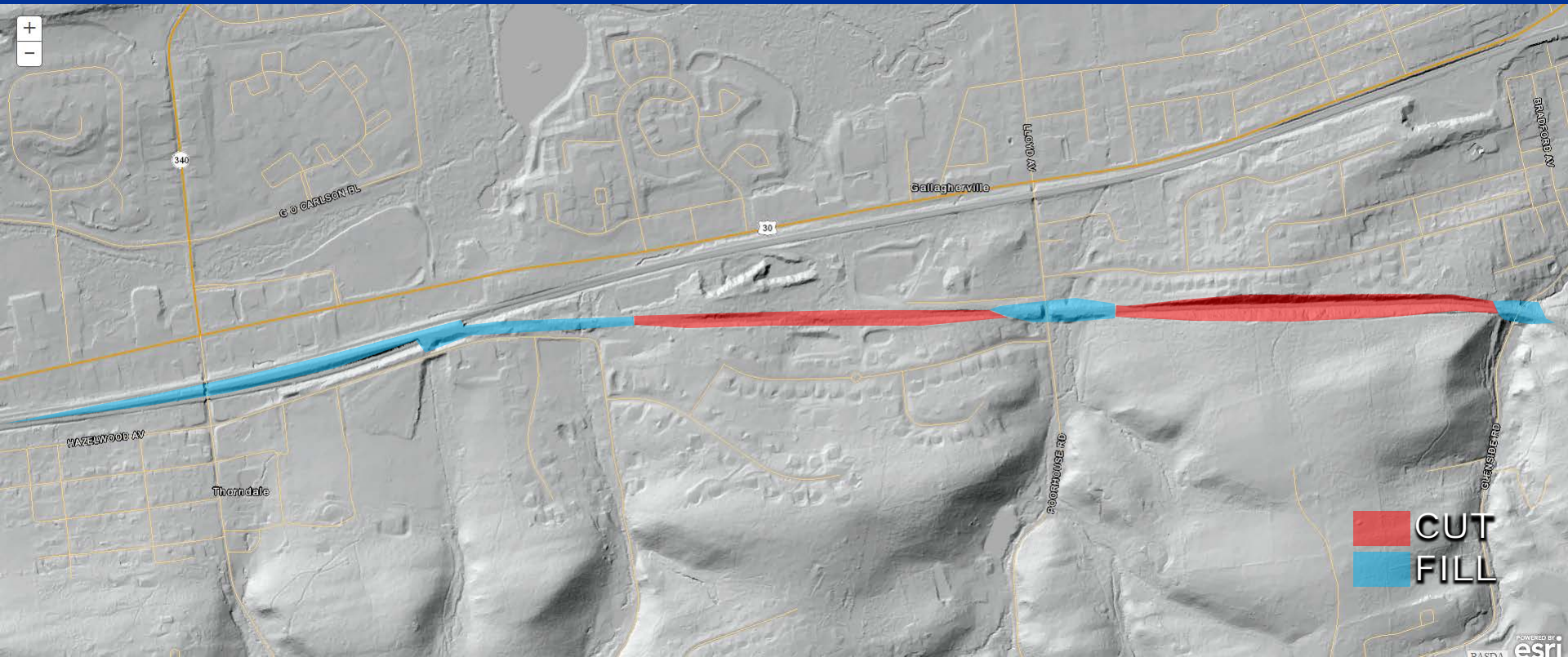
CHESTER VALLEY TRAIL EXTENSION

NS P&T



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Digital Elevation Model



CHESTER VALLEY TRAIL EXTENSION

NS P&T



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Lloyd Ave.



CHESTER VALLEY TRAIL EXTENSION

NS P&T – West of Lloyd Ave.



CHESTER VALLEY TRAIL EXTENSION

NS P&T – Nearest Gallagherville Road

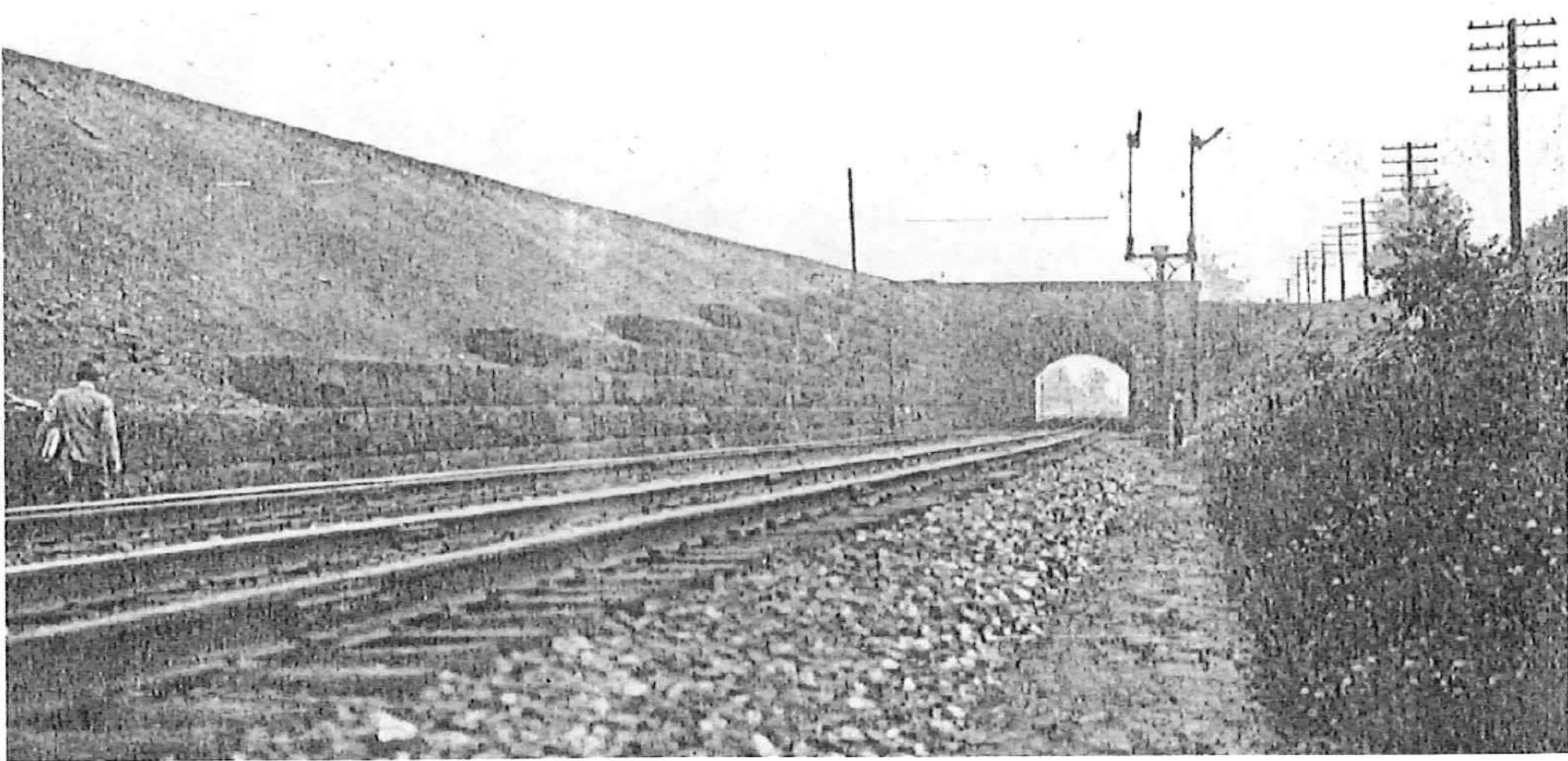


CHESTER VALLEY TRAIL EXTENSION

NS P&T – Gallagherville Flyover



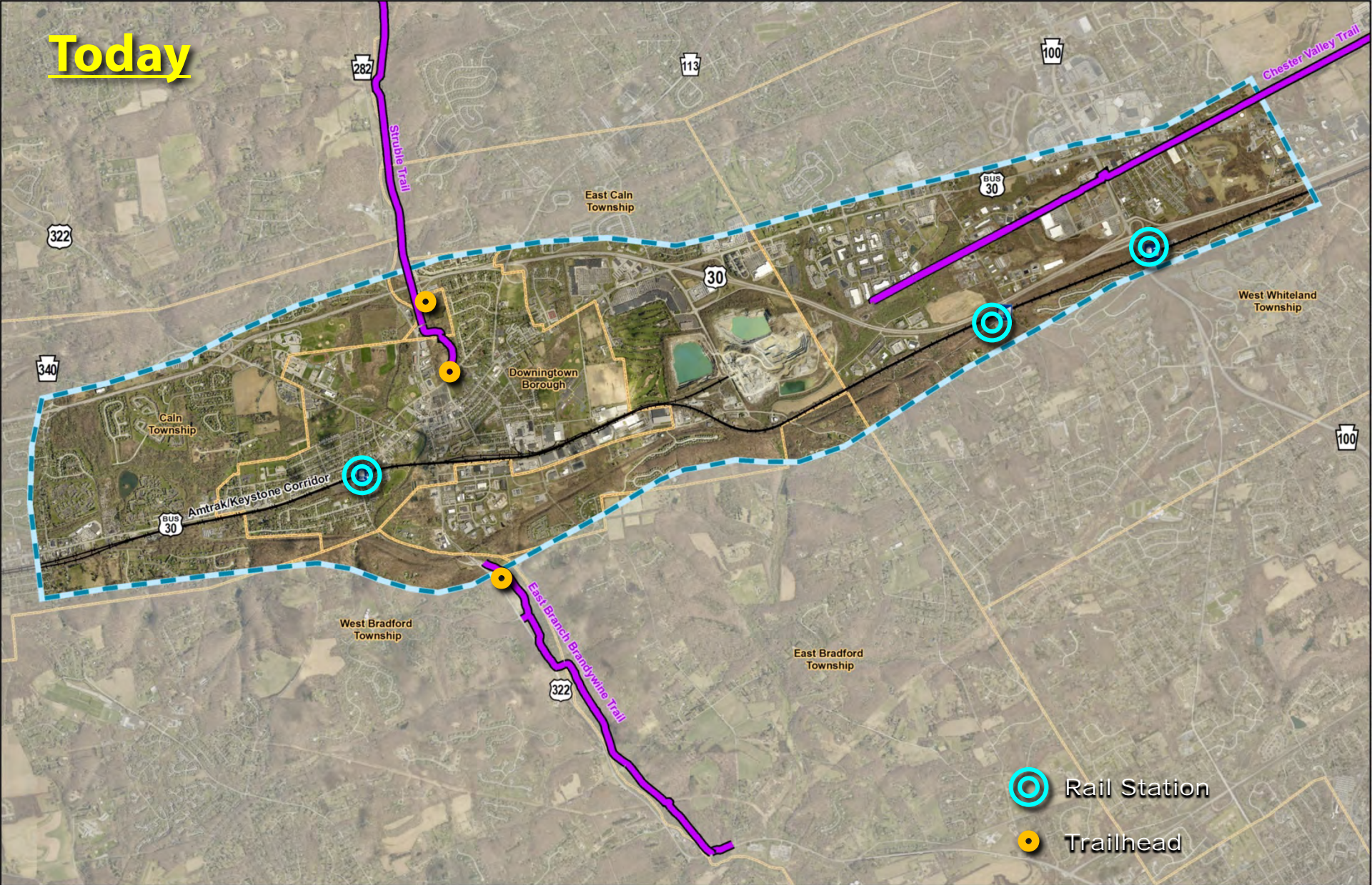
CHESTER VALLEY TRAIL EXTENSION



National Archives

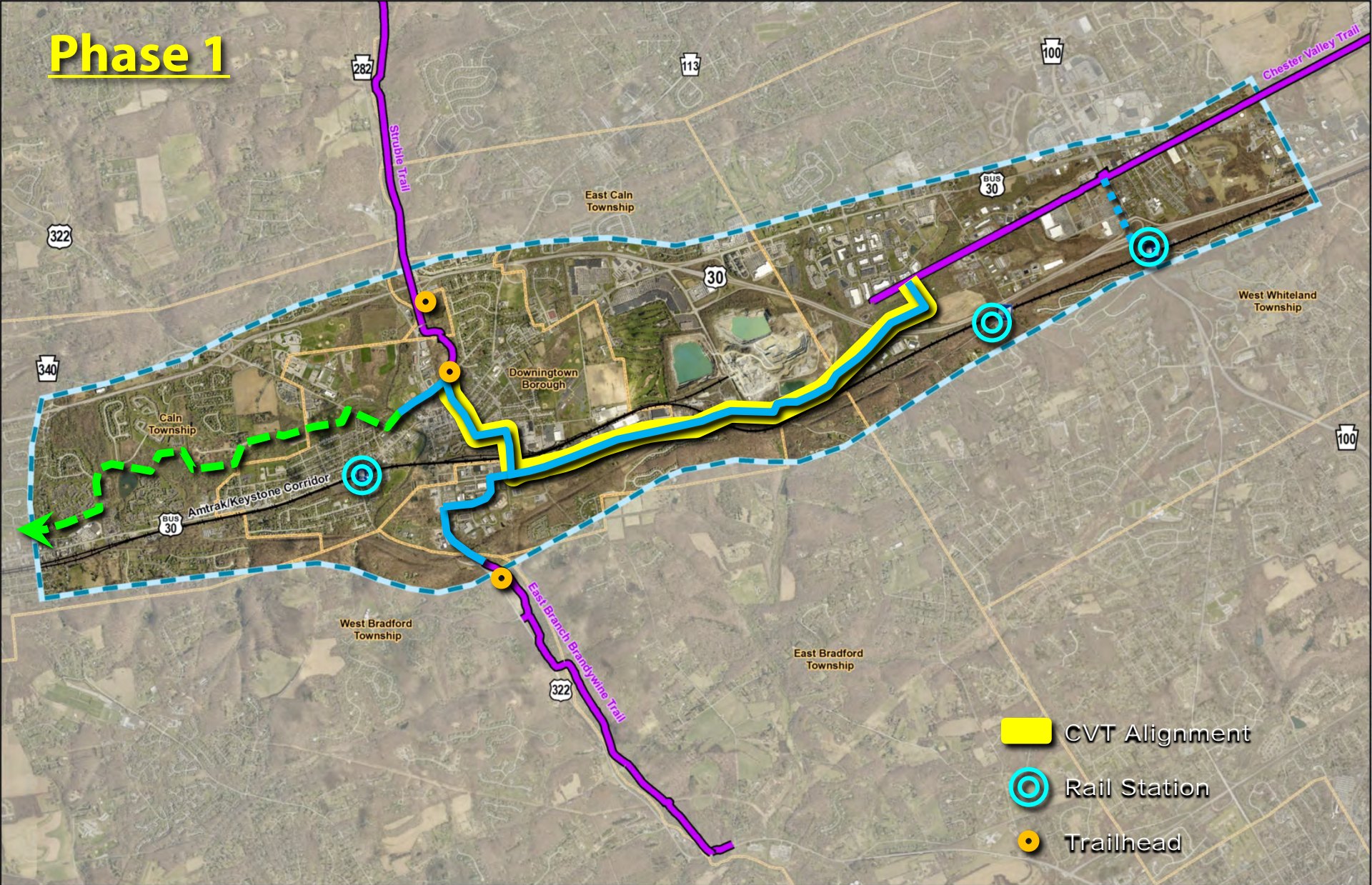
CHESTER VALLEY TRAIL EXTENSION

Today



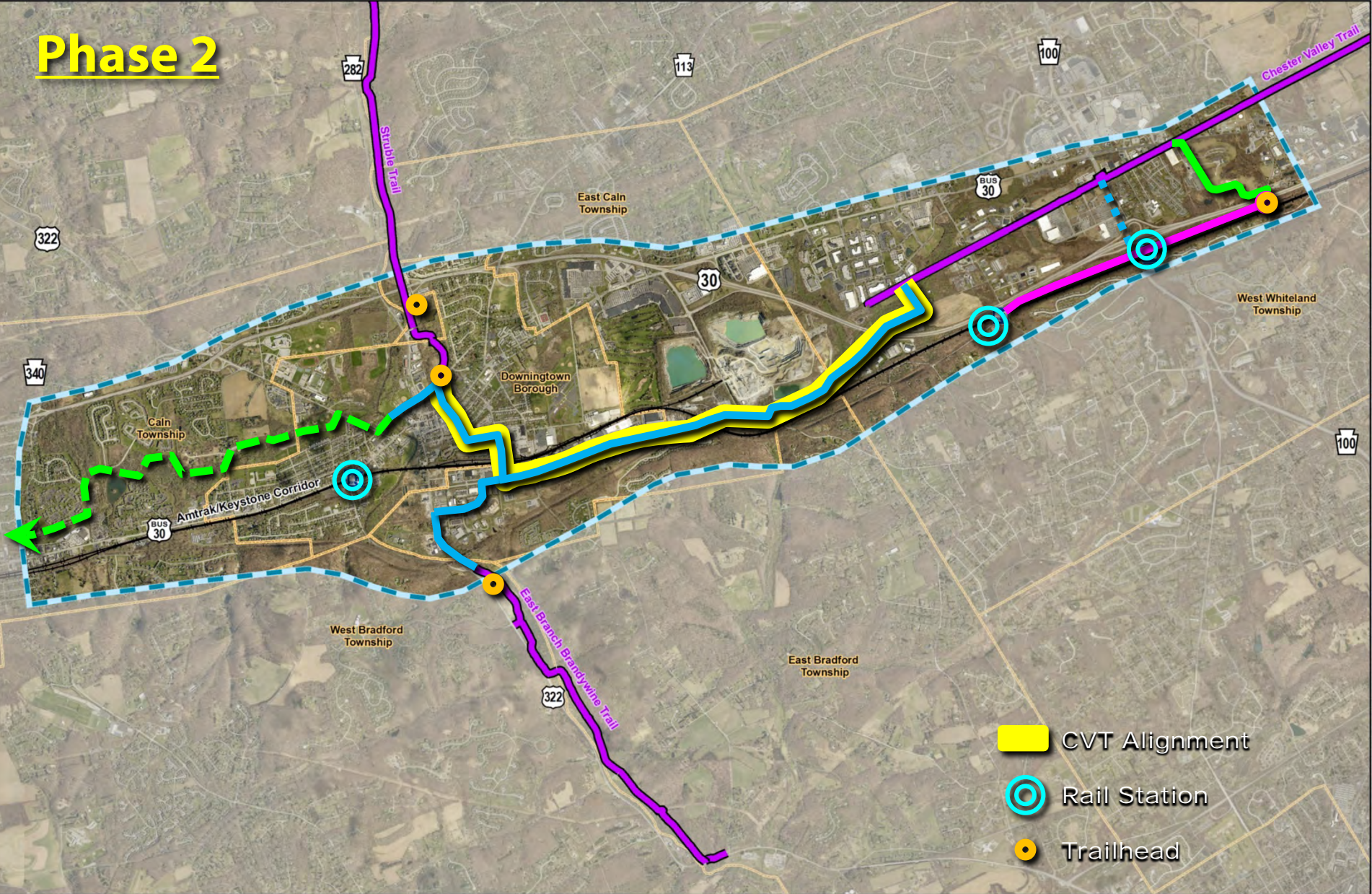
CHESTER VALLEY TRAIL EXTENSION

Phase 1



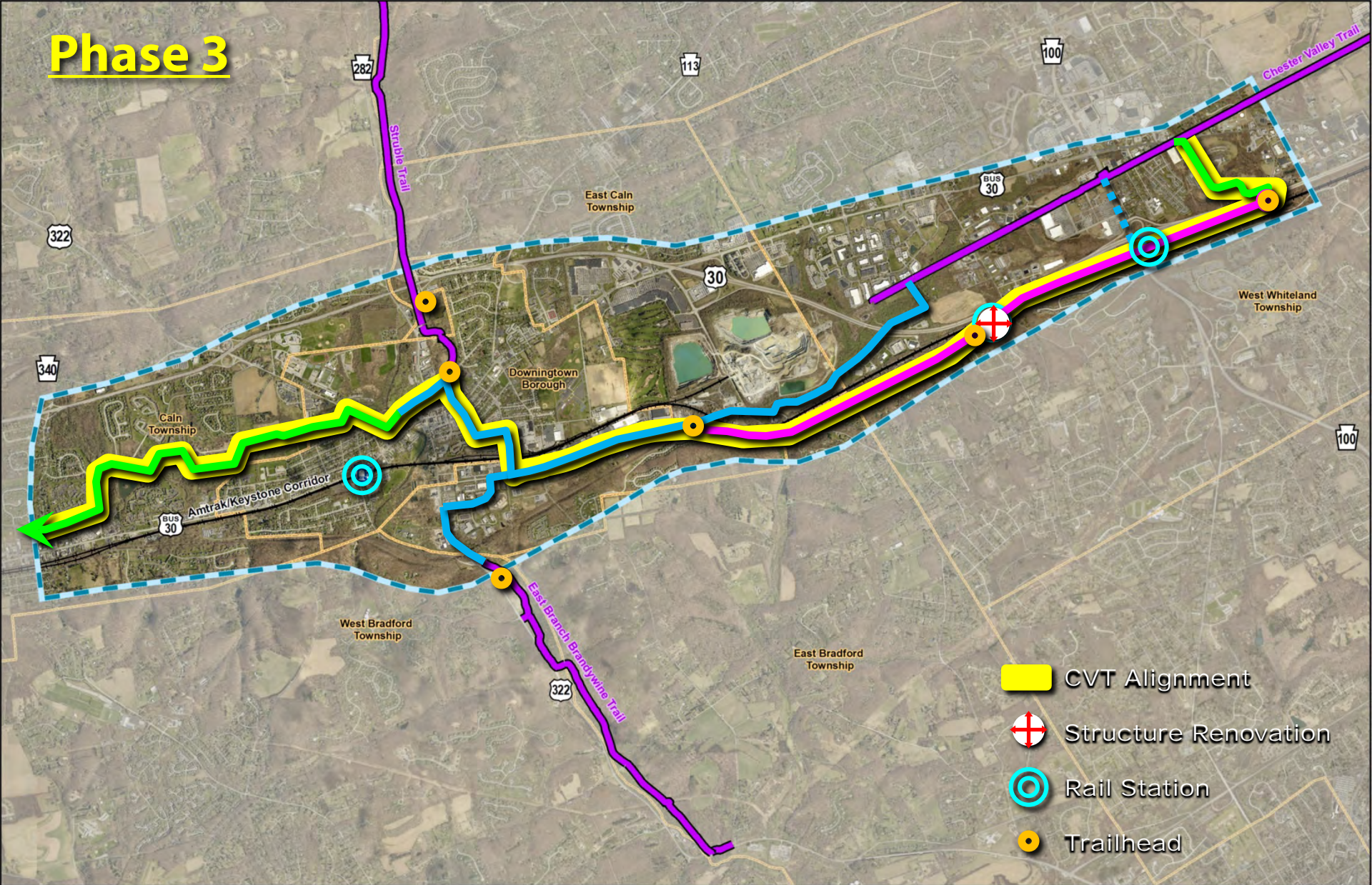
CHESTER VALLEY TRAIL EXTENSION

Phase 2



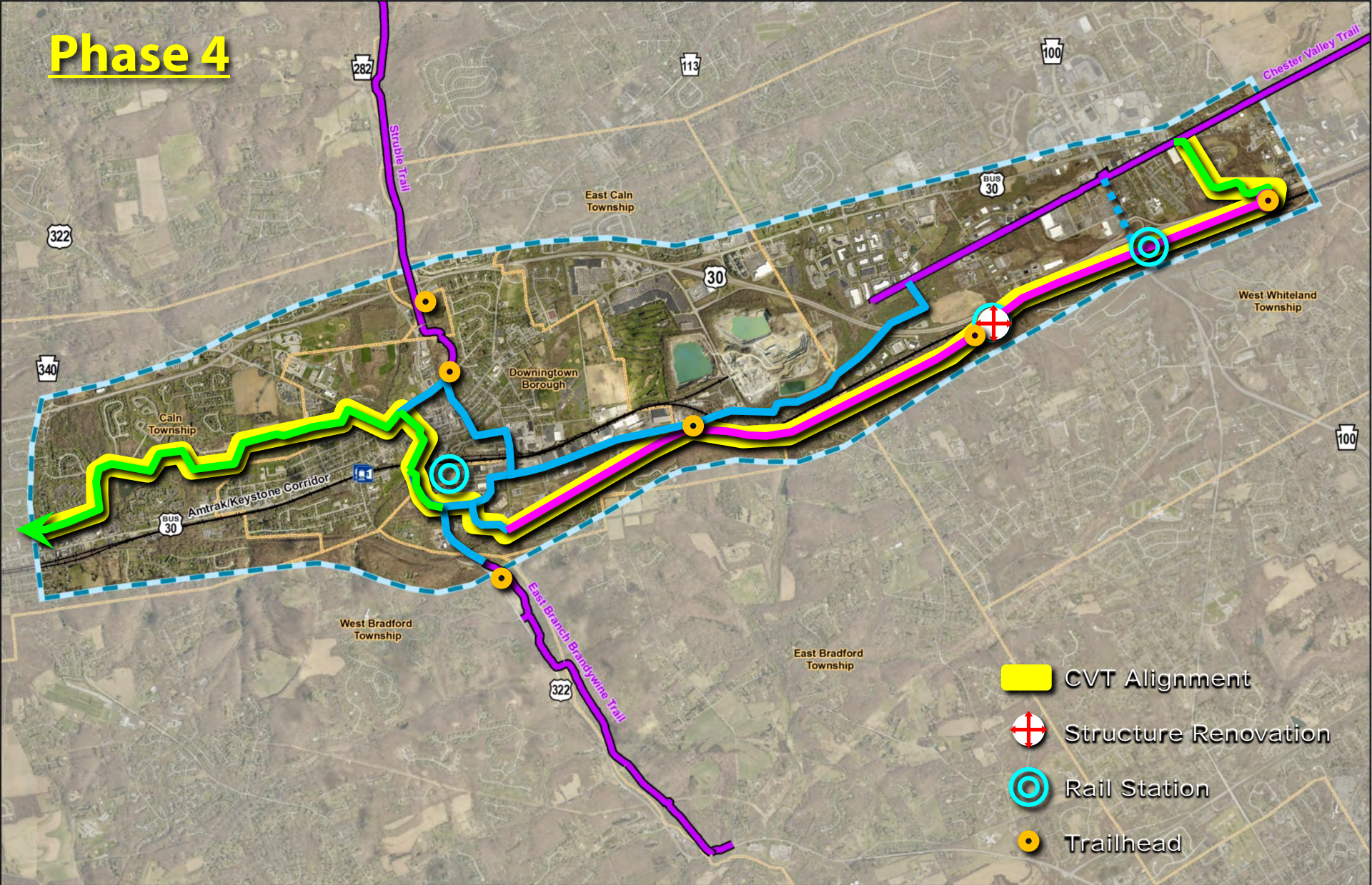
CHESTER VALLEY TRAIL EXTENSION

Phase 3



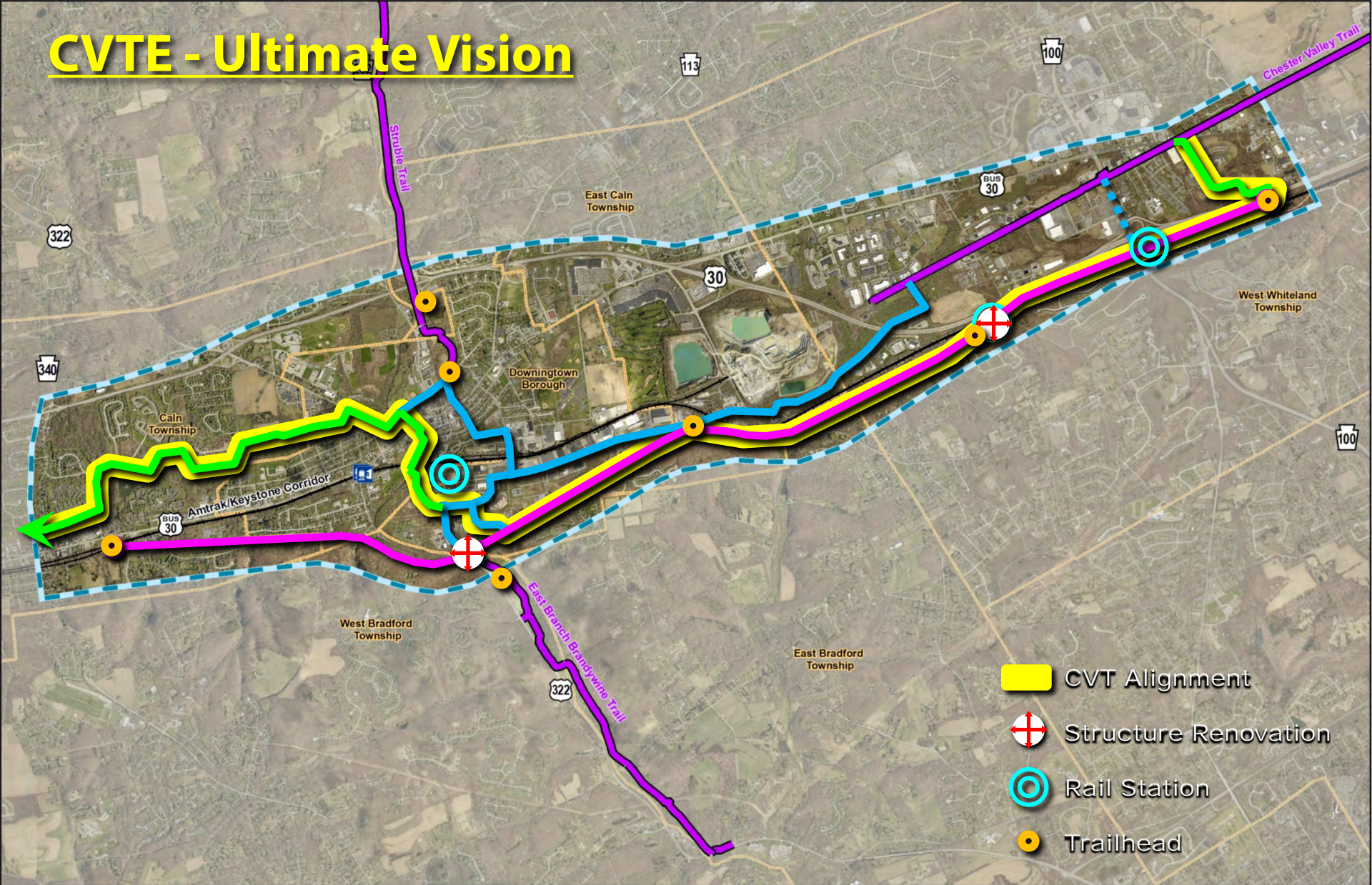
CHESTER VALLEY TRAIL EXTENSION

Phase 4



CHESTER VALLEY TRAIL EXTENSION

CVTE - Ultimate Vision



CHESTER VALLEY TRAIL EXTENSION

Major Structure Renovations

CHESTER VALLEY TRAIL EXTENSION

Kinzua Bridge State Park



2,051' long
302' high



\$4.3M Renovation
For Skywalk

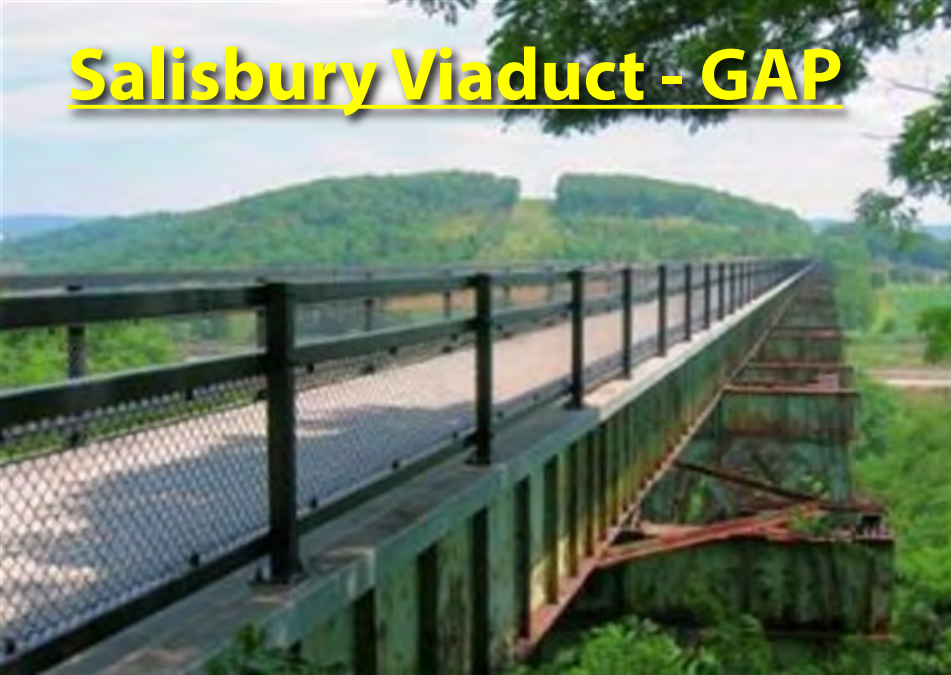
CHESTER VALLEY TRAIL EXTENSION

Kinzua Bridge State Park



CHESTER VALLEY TRAIL EXTENSION

Salisbury Viaduct - GAP



1,906' long
101' high

CHESTER VALLEY TRAIL EXTENSION

Schuylkill River Boardwalk - SRT



\$17M investment

CHESTER VALLEY TRAIL EXTENSION

Manayunk Bridge – Cynwyd Heritage Trail



\$6M Renovation
(design & construction)



CHESTER VALLEY TRAIL EXTENSION

Martic Forge Bridge – Enola Low Grade Trail

634' long
150' high
\$750K



CHESTER VALLEY TRAIL EXTENSION

Safe Harbor Bridge – Enola Low Grade Trail



1320' long

150' high

\$6-8M Estimate

CHESTER VALLEY TRAIL EXTENSION

Project Schedule

Date:

Event:

2/25/16

Steering Committee Meeting #4 – DRAFT Recommended Alignment

3/14/16

Parks Board Meeting – DRAFT Recommended Alignment



3/30/16

**Public Meeting #2 – Alternatives Analysis Review/
Recommended Alignment**

4/28/16

Steering Committee Meeting #5 – Master Plan progress

6/23/16

Steering Committee Meeting #6 – Master Plan Update / Costs

8/25/16

**Steering Committee Meeting #7 – DRAFT Master Plan – Costs &
Implementation**

9/12/16

Parks Board Meeting – DRAFT Master Plan



9/29/16

Public Meeting #3 – DRAFT Master Plan

DRAFT Narrative Report Public Review & Comment Period (30 day)

10/27/16

Steering Committee Meeting #8 – DRAFT Report Review

12/15/16

Steering Committee Meeting #9 – Project Wrap

CHESTER VALLEY TRAIL EXTENSION

Next Steps

- Continue to Monitor Citizen **Trail User Survey** :
<https://www.surveymonkey.com/r/GY8YG79>
- Begin **Master Plan** development for the Recommended Alignment, including **cost estimate** and an **implementation strategy**;
- Prepare **DRAFT Narrative Report**.
- Next Public Meeting: **9/29/16**
(DRAFT Master Plan)

Q&A

Comments

Suggestions

C H E S T E R V A L L E Y T R A I L E X T E N S I O N