





Consultant Team

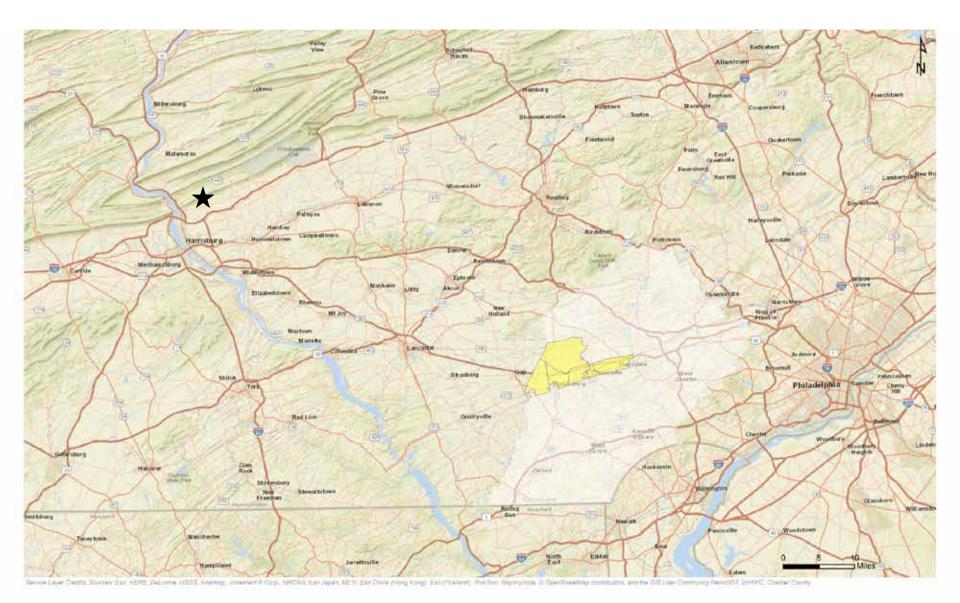


In Association With



REAL ESTATE STRATEGIES, INC.

PROJECT LOCATION

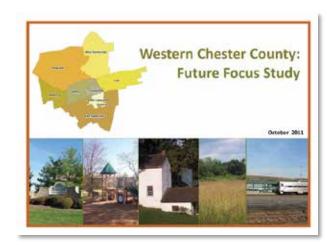


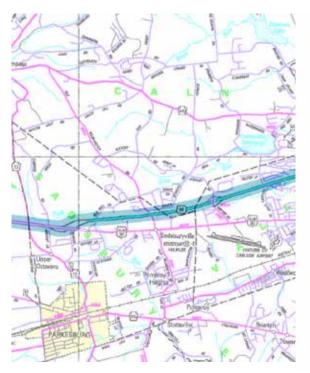


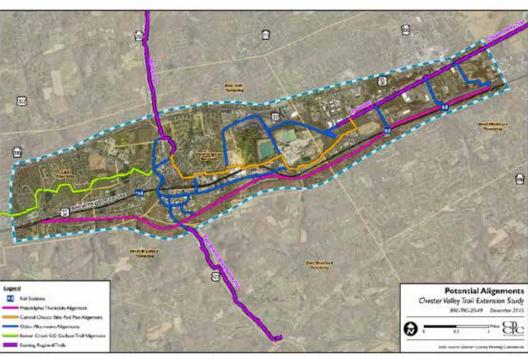


{BACKGROUND}

- Coatesville Downingtown Bypass Reconstruction (ongoing)
 PennDOT Capital Improvement Project
- Western Chester County: Future Focus Study (2011)
 Regional Economic Development Study
- Chester Valley Trail Extension Study (ongoing)











STUDY AREA

Western Chester County, PA Six Sponsor Municipalities





















{ FOCUS AREAS}-

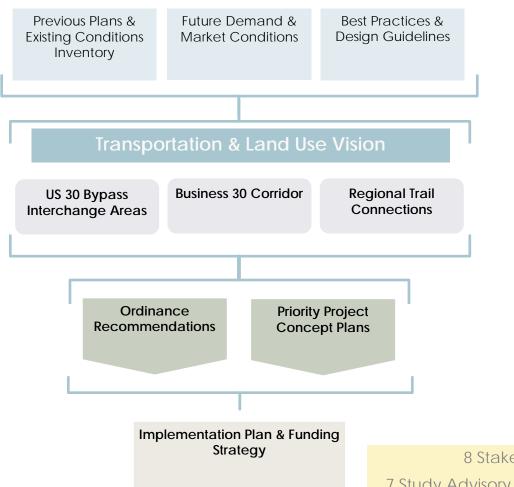


Focus Areas

Business 30 Corridor
US 30 Bypass Interchange Areas
Chester Valley Trail Extension & Regional Trails



APPROACH



14-Month Schedule
from Notice-toProceed to Final
Report for 6
Municipal Partners
along a 13 mile
corridor

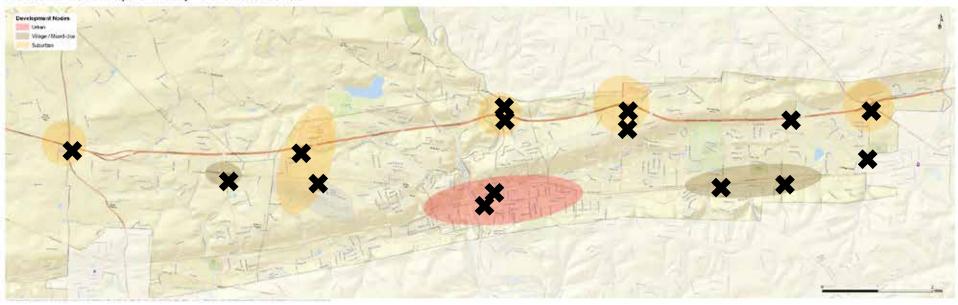
8 Stakeholder Interviews
7 Study Advisory Committee (SAC) Meetings
2 Technical Coordination Meetings
3 Public Meetings

Stakeholder and Community Input

PLANNING } CONTEXT



Route 30 Multimodal Transportation Study - Draft Land Use Context





KEY ISSUE

WestPresentation and Greenfield Development





VS. East Infill and Redevelopment





In the West...Development is easier, but will bring more congestion, consume more open space and farmland, and require more public infrastructure

In the East...Opportunities for "game changing" development are limited and existing development needs to be supported or revitalized in some areas



{ KEY ISSUE }

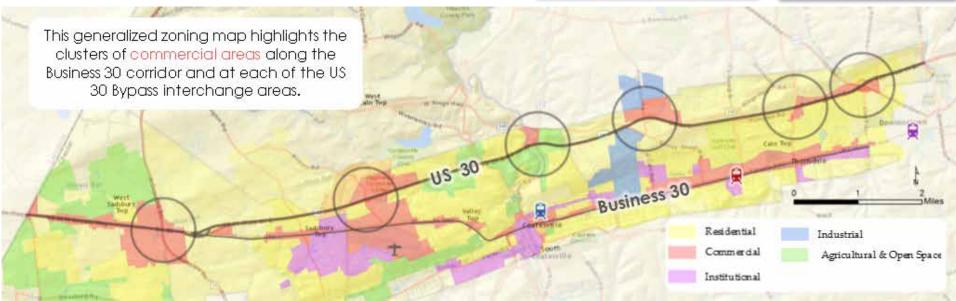
US 30 Bypass



VS. Business Route 30





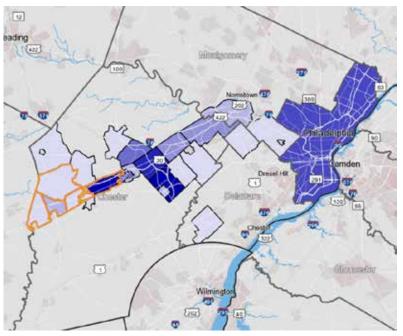


Jobs

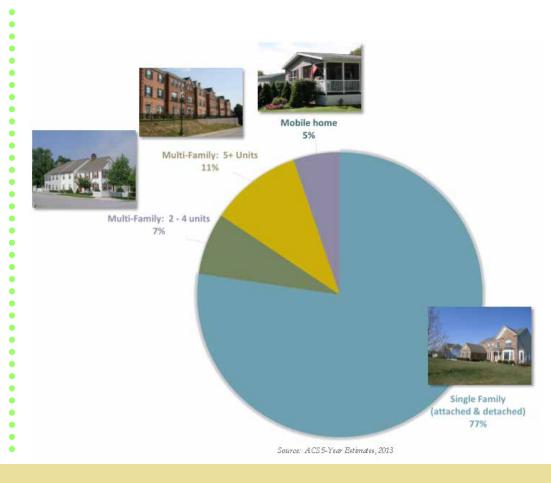
VS.

Housing

Where do residents work?











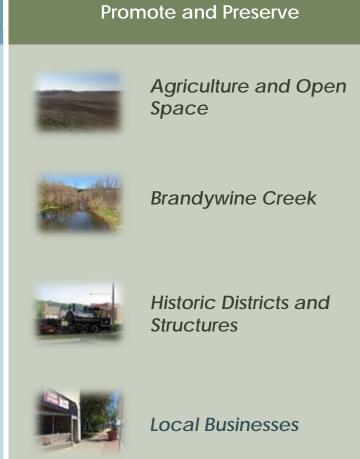
{CORRIDOR VISION}

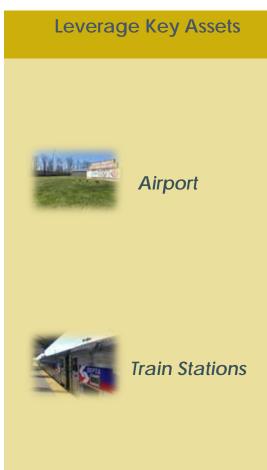
Cohesive

Complementary

Connected

Expand Options and Opportunities Jobs Housing **Transportation** Recreation







Business 30 Corridor



CORRIDOR VISION

Transit Village



Urban Core

Historic Village





US 30 INTERCHANGES



For each interchange area

- Existing Land Use and Zoning
- **q** Development Constraints, including Interchange Management Areas
- **q** Developments in the Pipeline
- Development Recommendations

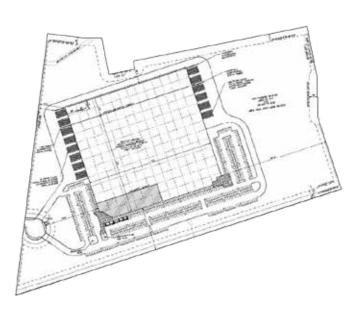


DEVELOPMENTS IN THE PIPELINE

There are over 1,200 residential units and 1.19 million square feet of non-residential development proposed generally within one-half mile of the six US 30 Bypass interchange areas with the limits of this study.







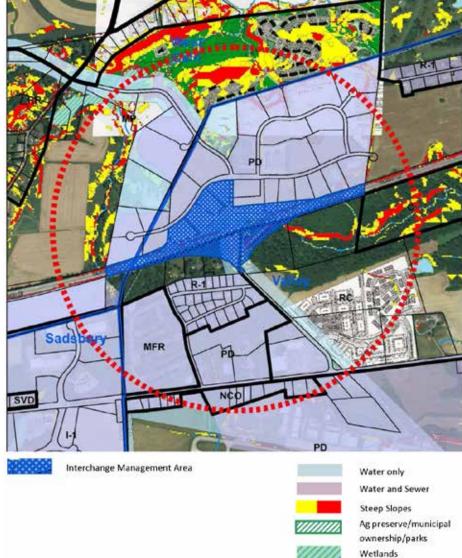




DEVELOPMENT CONSTRAINTS

Airport Road Interchange











PA 10 Land Use Recommendations

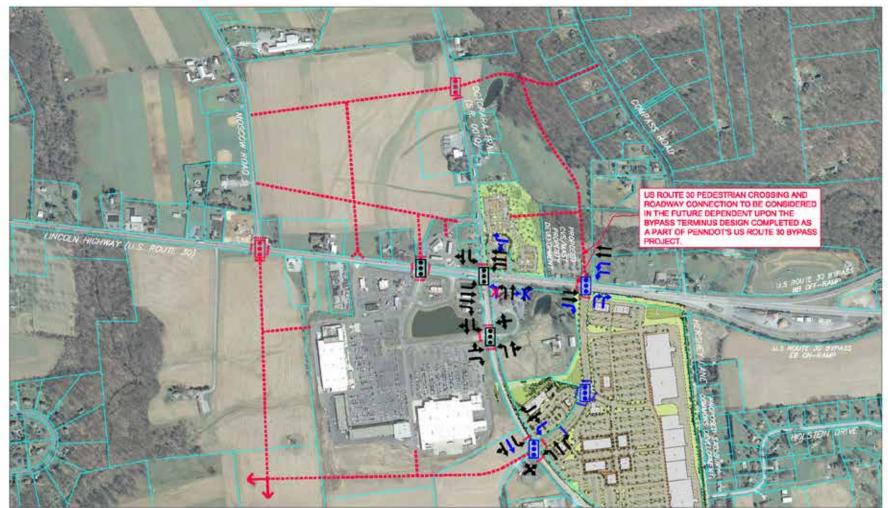


Parcel	Potential Use	Zoning Issues/Considerations
1	Mixed Use	Apartments not permitted
	Center (Office,	in GC
	Hotel,	Promote new roadway
	Apartments,	connections with flexibility
	Restaurants,	in zoning ordinance
	Retail)	<u> </u>
2	Professionally	None
	managed	
	multi-family	
	residential	
3	Office /	Promote new roadway
	Commercial	connections with flexibility
		in zoning ordinance
4	Retail	None
5	Senior Care	Senior care residential
	Residential	facilities not a permitted
	Facility	use in O-C



PA 10 Transportation Recommendations

Priority Project: Roadway Plan



LEGEND EXISTING CONDITIONS

PLANNED DEVELOPMENT IMPROVEMENTS FUTURE ROADWAY CONNECTIONS

Lene/movement that can be eliminated with provision of connector roads

NOTES: (1) Bypass terminus to be recontructed as part of PennDOT's U.S. Route 30 Bypass Project.

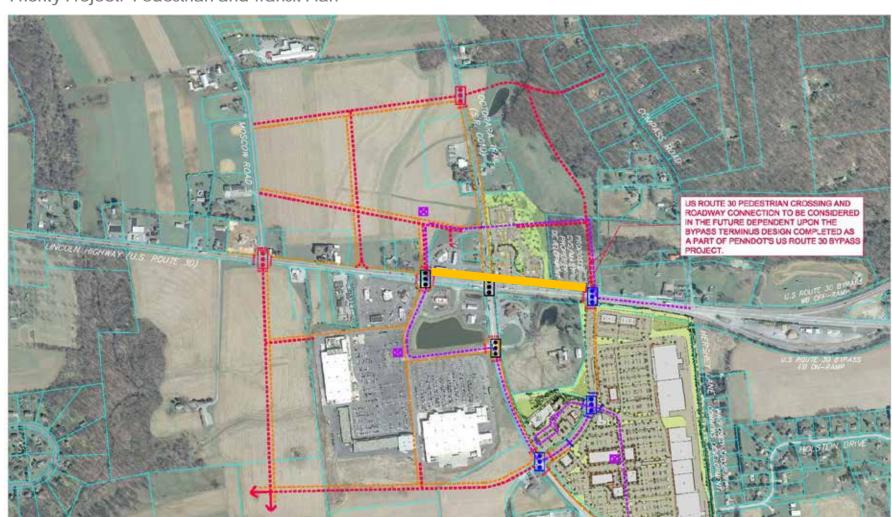
(2) Parking spaces within Sadsbury Commons to be made available for park and ride (location to be determined).





PA 10 Transportation Recommendations

Priority Project: Pedestrian and Transit Plan



LEGEND
EXISTING CONDITIONS
EXISTING PROPERTY LINE
PLANNED DEVELOPMENT IMPROVEMENTS

FUTURE ROADWAY CONNECTIONS
FUTURE PEDESTRIAN FACILITIES
FUTURE TRANSIT ROUTE & FACILITIES

NOTES: (1) Bypass terminus to be recontructed as part of PennDOT's U.S. Route 30 Bypass Project.

(2) Parking spaces within Sadsbury Commons to be made available for park and ride (location to be determined).







BUSINESS 30 CORRIDOR



For each segment

- **q** Existing Conditions Summary
- **q** Land Use and Zoning Recommendations
- **q** Roadway Cross Sections
- Key Strategies to Implement Vision



Sadsbury & West Sadsbury

US 30 & PA 10

US 30 & Swan Road /

County Line Road West Sadsbury

PRIORITY PROJECTS

Calm Two West Sadsbury Twp Sadibury Twp # Lincoln Step Contesville

> **Airport Road Corridor** Valley & West Caln

Business 30 & Airport Road Valley PA 82 & Wagontown Road Coatesville & Valley

1st Avenue & Strode Avenue **Business 30 between** Coatesville

Barley Sheaf Road & Veterans Drive Business 30 between

Caln



CALN Suburban Commercial





Municipalities

Cain Township

Limits

13th Avenue to Barley Sheat Road

Length

1.5 miles

Existing Zoning

l: Institutional C-1: Highway Commercial Lincoln Highway Overlay

Roadway Cross Section

One travel lane in each direction with a center leftturn lane and varying width shoulders. Sidewalks are provided in some areas.

AADT

13,100 - 14,000

Speed Limit

35 - 40 MPH

Legend

Generalized Zonina





Industrial

netth tional

Protected Open Space

Existing Conditions

- Transitional area between the City of Coatesville and Thorndale Village
- Mainly commercial and institutional land uses with some vacant and under-utilized parcels
- Amtrak/SEPTA rail line parallel and south of Lincoln Highway (Business 30) limits readway connectivity, as well as development opportunities
- Roadway underpass of the rail line at Caln Road is constrained due to narrow width and the short distance between Lincoln Highway and the Amtrak/SEPTA rail line
- Wide, uncontrolled and closely spaced commercial driveways
- Bus service provided by ChescoBus-Krapf's A and Coatesville Link and several bus stops have shelters
- Limited sidewalk connections provided on the north and south sides of Lincoln Highway





Land Use and Zoning

The existing land uses include auto-oriented commercial and retail establishments and institutional uses with Coatesville Senior High School and access to the Coatesville Veterans Affairs Medical Center. There are development/redevelopment opportunities for vacant or under-utilized, but the Amtrak/SEPTA rail line on the south side creates narrow depth parcels and limits access and circulation. The existing Lincoln Highway Overlay District provides flexibility related to setback, parking, and other requirements, particularly for constrained parcels. Access management strategies, include cross access and shared parking, can also help to reduce congestion, improve operations, and support redevelopment.

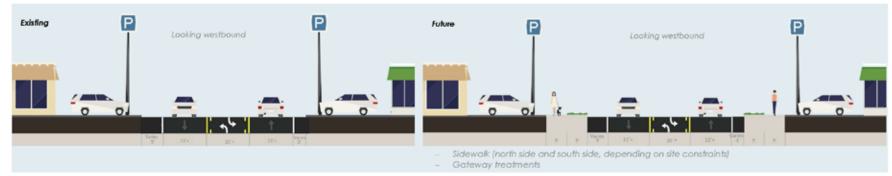




CALN Suburban Commercial

Roadway Cross Section

The existing cross section includes one travel lane in each direction with a center left-turn lane and varying shoulders along each side. Currently, many parking areas are located immediately adjacent to the existing roadway. In the future, it is recommended to provide grass buffers and sidewalks along both sides, dependent upon site constraints. Additionally, it is recommended to utilize the center lane, where not needed for turning movements, to provide gateway treatments.



Implementing the Corridor Vision

Key Strategies	Recommended Action Items	Partners
Sidewalk connections	 Coordinate with property owners/developers to implement sidewalks and streetscape enhancements as part of land development projects (in accordance with existing Township ordinances) Develop conceptual plans and pursue funding sources for design and construction of missing sidewalk connections that are not likely to be implemented as part of a land development project 	- Caln Township
Gateways and improved signage	See the Priority Project for Business 30 between Veterans Drive and Barley Sheaf Road See the Priority Project for Business 30 between Veterans Drive and Barley Sheaf Road	- Caln Township - PennDOT
Beautification with attractive streetscapes and building facades	 Continue to promote the LERTA District as an incentive for property owners to make improvements and implement the Lincoln Highway Streetscapes 	Caln Township Western Chester County Chamber of Commerce Chester County Economic Development Council
Access management — Review and evaluate potential updates to access management requirements in Caln Township's SALDO based on PennDOT's Access Management Handbook, including requiring new developments to connect to existing developments or enable future connections to be made		- Caln Township
Plan for a well-connected roadway network	Adopt an official map with new roadway connections	- Caln Township
Support assembly of smaller lots and development/redevelopment of vacant or under- utilized lots	 Promote existing LERTA District and Lincoln Highway Overlay District zoning ordinance requirements, including the provision for waiver of some zoning requirements by the Board of Commissioners Consider form-based zoning 	- Caln Township





CALNSuburban Commercial

PRIORITY PROJECT

Lincoln Highway (Business 30) between Veterans Drive and Barley Sheaf Road

Municipalities

Caln Township

Location

Lincoln Highway (Business 30) between Veterans Drive and Barley Sheaf Road

Summary Description

Completion of sidewalk connections along with streetscape, traffic calming, access management, and bus stop enhancements to improve safety and operations

Existing Conditions

- Vacant and underutilized parcels
- Lack of identity and consistent streetscape treatments
- High traffic volumes and travel speeds
- Numerous wide, uncontrolled, and closely spaced commercial driveways
- Discontinuous and disconnected sidewalks
- Bus stops with limited connecting pedestrian facilities





Key Elements of the Conceptual Plan

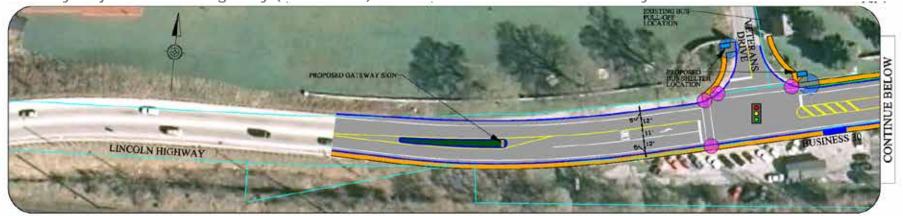
- Continuous sidewalk on the north side of Business 30
- Continuous sidewalk on the south side of Business 30 between Veterans Drive and Caln Road
- Enhanced bus stops with amenities and pedestrian connections
- Medians with gateway signs for traffic calming
- Defined and/or consolidated driveways for safety and access management

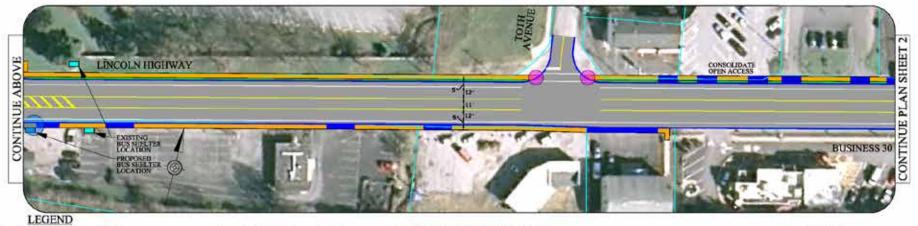
Recommended Action	on Items	Suggested Timetrame	Partners	Potential Funding Sources
coordinate with property owners/developers to reetscape enhancements and define/consolidat		Ongoing	- Caln Township	
iority Phase: Veterans Drive to Caln Road Pursue grant funding for design, right-of-w Cost Estimole	sy, and construction	Near Term (1 = 3 years)	- Caln Township - PennDOT - Chester County - TMACC	Municipal funds (for required match) PensiDOT – Multimodal Transportation Fund CFA – Multimodal Transportation Fund Transportation Alternatives Program (TAP)
Preliminary Engineering	5 90,800		= (MMA)	Congestion Mitgation and Air Quality Improvement Program (CMAQ)
Final Design	5 136,200			1 regular temoty
Right-of-Way	5 96,000			
Utilities				
Construction + Inspection	\$ 1,041,000			
TOTAL	\$1,364,000			



CALN Suburban Commercial J

Priority Project: Lincoln Highway (Business 30) between Veterans Drive and Barley Sheaf Road





PROPOSED BUFFER AREA ROADWAY WITH PROPOSED PAVEMENT MARKINGS PROPOSED SIDEWALK

PROPOSED MEDIAN

PROPOSED DRIVEWAY APRON EXISTING TRAFFIC SIGNAL

EXISTING PROPERTY LINE

EDGE OF ROAD PROPOSED CURB

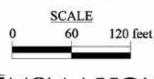
PROPOSED ADA RAMP UPGRADE

SIGNED BUS STOP

CONCEPT PLAN KEY ELEMENTS:

 Continuous sidewalk on north side of Business 30
 Continuous sidewalk on south side of Business 30 between western limit and Caln Road

Enhanced bus stops with amenities and pedestrian connections
 Medians with gateway signs for traffic calming
 Defined and/or consolidated driveways for safety and access management

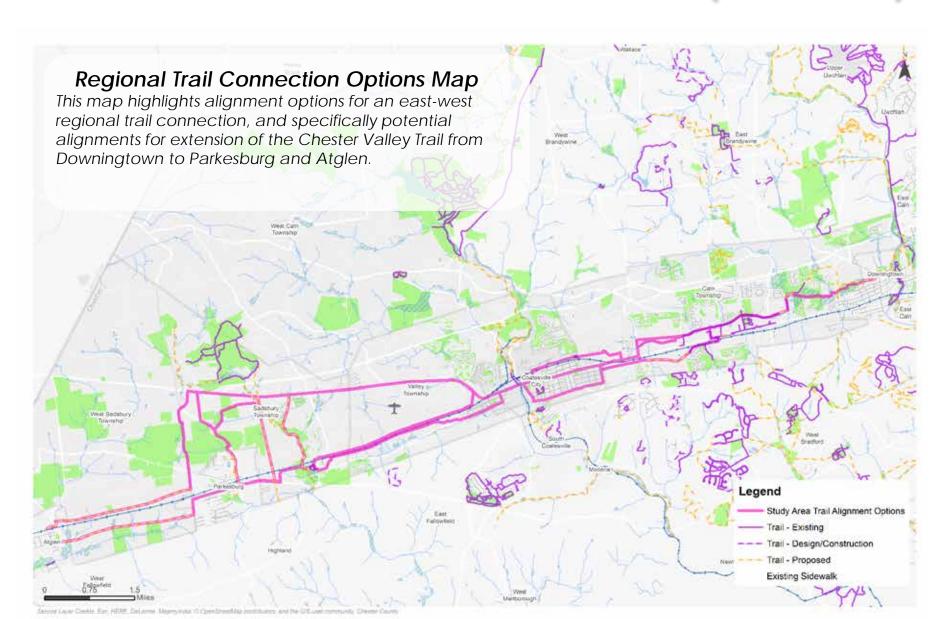








REGIONAL TRAIL CONNECTIONS





ACTION PLAN

RECOMMENDED ACTIONS ITEMS

For all study area municipalities

Recommended Action Items	Description and Applicability	Resources, and References
Continue coordination with PennDOT on design of the US 30 Bypass Reconstruction project	Coordinate with PennDOT and neighboring municipalities on the design and construction of US 30 Bypass improvements, including the need for additional capacity on the US 30 Bypass east of Receville Road and interchange reconfigurations at US 322. PA 340. Receville Road, PA 82, Airport Road, and the bypass terminus near PA 10 to address safety and operational issues. Applicable for all study area municipalities	
Initiate and/or support municipal and multi- municipal bicycle/podestrian/trail planning efforts	Complete regional, municipal, or project specific bicycle, pedestrian, and trail plans to establish a regional trails network. Applicable for all study area municipalities, particularly focused on the feasibility and selection of a preferred alignment for extension of the Chester Valley Trail from Downingtown to Aiglen and additional planning and design for the West Branch Brandywine Trail	
Update Zoning and SALDO Ordinances	Provide or update standards and design requirements particularly related to bicycle, pedestrian, and transit facilities, as well as requirements for traffic impact studies. Applicable for all study area numbicipalities Business 30 Intersecting/Connecting roadways between US 30 Bypass and Business 30 PA 10 Airport Road	- Multi-Modal Circulation Handbook for Chester County, PA (Chester County Planning Commission, 2015) - SEPTA Bus Stop Design Guidelines (DVRPC, 2012) - Access Management: Model Ordinances for Pennsylvania Municipalities Handbook (PennDOT, 2006) - Managing Access along US 30 in Western Chester County (DVRPC, 2010)
Improve traffic signal coordination to reduce congestion	Improve traffic signal coordination through regular maintenance, re-timing, updating traffic signal specifications, and upgrading traffic signal equipment and communication Applicable for all study area municipalities, particularly across municipal bonlers and long the Business 30 Corridor	PennDOT's Green Light Go Funding Grant Program PennDOT's Automated Red Light Enforcement (ARLE) Grant Funding Program
Enhance bus stops	Coordinate with TMACC, Krapf, and PennDOT regarding the provision of bus stop enhancements, including pedestrian facility connections and amenities, such as shelters. Applicable for all study area municipalities, particularly along the Bissiness 30 Corridor	- Multi-Modal Circulation Handbook for Chester County, PA (Chester County Planning Commission, 2015) - SEPTA Bus Stop Design Guidelines (DVRPC, 2012)
Consider and evaluate adoption of a municipal official map	Tool to identify and express interest in potential acquisition of properties for planned public facilities, including new roadway and trail connections. Applicable in all study area manicipalities	 The Official Map: A Handbook for Preserving and Providing Public Lands and Facilities (PennDOT, DCNR, DCED, PA Land Trust Association, 2011)
Consider and evaluate options for incorporation of Transferable Development Rights (TDR) into zoning ordinance	Zoning tool and market-based approach to implement land preservation plans and direct development to appropriate areas. Particularly applicable for Sadsbury and West Sudsbury due to the facus on open space/agricultural land preservation and development demands.	Warwick Township, Lancaster County TDR Zoning Ordinance



ACTION PLAN

RECOMMENDED ACTIONS ITEMS

Valley Township

US	30 Interchanges	Page
Airport Road		
-	Parcel 3: Consider extending Multiple Family Residential Overlay Option to include this parcel or rezone to R-2	33
PA	82	
-	Parcel 1: Consider adding to Multiple Family Residential Overlay Option or rezone to R-2 $$	41
-	Parcel 6: Coordinate with Coatesville to enact a Memorandum of Agreement in order to preserve the steep slopes and Brandywine Creek for open space conservation with a creek-side public access trail, but allow energy facilities on the relatively flat area of the site, with adequate screening from adjacent development.	41

Βu	siness 30 Corridor	Page
-	Implement recommendations in Managing Access along US 30 in Western Chester County (DVRPC, 2010)	56, 60, 62, 64, 66, 68, 70
-	Coordinate with property owners/developers to implement sidewalks and streetscape enhancements as part of land development projects (in accordance with existing Township ordinances)	68, 70, 82, 83, 89, 91
-	Identify key missing gaps in the sidewalk network and develop conceptual plans and pursue funding for design and construction	68, 70
-	Inventory and evaluate current shoulder widths to identify constraints for implementing bike lanes	62, 68, 70
-	Coordinate with PennDOT to reduce the speed limit, which may require the completion of a Speed Restrictions Engineering and Traffic Study	56, 62, 66
-	Coordinate with PennDOT to implement bicycle lanes as part of a future resurfacing project	62, 66, 68, 70, 74
-	Implement recommendations in Western Chester County: Future Focus Study (2011), including focusing on planning efforts related to the future municipal complex near Airport Road and the potential reuse and redevelopment of the existing municipal facilities near Front Street	60, 64, 66, 68, 70, 73
-	Identify and market key vacant or under-utilized parcels for desired uses	70
-	Encourage and support open space and conservation easements	70

Regional Trails	Page
- Complete a municipal and/or multi-municipal bicycle/ pedestrian/trail plan to identify potential local connections to the planned regional trail network, including the Chester Valley Trail Extension and West Branch Brandywine Creek Trail Near Term: Complete Mill Trail Plan in coordination with Coatesville, South Coatesville, and Modena	97

Pr	Priority Project	
A	irport Road Corridor, including Lincoln Highway (Business 30) and Airport Road Interchange	
-	Adopt an Official Map showing future roadway connections (and Airport Road widening)	35
-	Coordinate with the Coatesville Area School District and other property owners on the potential roadway connection between Valley Suburban and Country Club Road. Possibly complete a Roadway Connection Feasibility Study to identify a potential roadway alignment and cost estimate.	35
-	Complete a Park and Trail Master Plan for the open space to be dedicated to the Township as part of the Valley Suburban Development	35
-	Monitor future demand and continue to coordinate on potential bus service to Highlands Corporate Center	35
-	Continue coordination on design of the US 30 Bypass Reconstruction project, including completion of the Airport Road Interchange and identified improvements to the Airport Road Corridor	35
-	Coordinate with property owners and developers regarding future improvements to Airport Road, particularly the reservation of right-of-way for future widening	35

See also action items applicable for all study area municipalities on page 96

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THANK YOU



Route 30 Multimodal Transportation Study

http://www.chescowest.com/route-30

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