



2013 Winter
Workshop

Planning and Development Coordination Application (PDCA)



February 14, 2013

CHALLENGE:

- STATE OF DELAWARE**
Department of Transportation
Arthur Raymond III, Secretary

Study Area 3

Development Proposals (2000 - Present)

Legend

Development Status

 - Proposed, Not Approved
 - Approved, Not Started
 - Under Construction
 - Built

Municipal Boundaries

 - Milford
 - Ellendale
 - Milton
 - Lewes

Proposed Transportation Improvements

 - Roundabout
 - Signal Change
 - Signal
 - Stop Sign
 - Yield Sign
 - Speed Limit Sign
 - Other

Study Area 3 Developments

Project	Location	Development Status	Proposed Transportation Improvement
per should improve the intersection to include one left (000), two through, and one right-turn lane on the NB approach; one left, two through and one right-turn lane on the SB US 13 approach; one left, one shared through, and one right-turn lane (concrete) on the WBS SR 1 ramp; one left, one shared through and one right-turn lane on the SB side access.	US 13 and SR 1	Proposed, Not Approved	Signal Change
per should enter into a traffic signal agreement with DEDOT for the intersection of US 13 and Carter Road and pad, signals, crosswalks, and transportation at DEDOT's discretion. Funding may be used at the existing location or future realigned intersection.	US 13 and Carter Road	Proposed, Not Approved	Signal Change
per should improve the following NB US 13-1 left, 2 through lanes; SB US 13-1 left-turn, 2 through, and 1 on lane; SB side access-1 left, 1 through, and 1 right-turn; WB Cory Lane-west US 13 & Cory Lane intersection.	US 13 and Cory Lane	Proposed, Not Approved	Signal Change
per should enter into a traffic signal agreement with DEDOT for the intersection of US 13 and Northern Pike Access Road; pad, signals, crosswalks, and transportation at DEDOT's discretion. Funding may be used at the existing location or future realigned intersection.	US 13 and Northern Pike Access Road	Proposed, Not Approved	Signal Change
per should widen Cory Lane at to access US Route 13 to include a separate left, shared rightthrough turn.	US 13 and Cory Lane	Proposed, Not Approved	Signal Change
per should improve the intersection during or prior to enhance construction of the developments participating to improve left and right-turn lanes on Villanova Lane.	US 13 and Villanova Lane	Proposed, Not Approved	Signal Change
per should improve the intersection to include a separate NB right-turn lane on Rabbit Chase Lane.	US 13 and Rabbit Chase Lane	Proposed, Not Approved	Signal Change
per should enter into a traffic signal agreement with DEDOT for the intersection of Bumpass Road & Rabbit Chase Lane and include pad, signals, crosswalks, and transportation at DEDOT's discretion.	Bumpass Road and Rabbit Chase Lane	Proposed, Not Approved	Signal Change
per should improve Rabbit Chase Lane from the limits of the Meadows of Symma subdivision to 1000' north of RD, which provides a full-width section having a pathway section having a median, travel lane in each direction, shoulders, multi-use path on both sides of the road per DEDOT's discretion.	Rabbit Chase Lane	Proposed, Not Approved	Signal Change
per should improve Rabbit Chase Lane from the limits of the Worthington subdivision to Sunnyside Rd, which is a full-width section having a pathway section having a median, travel lane in each direction, grass buffer, multi-use path on both sides of the road per DEDOT's discretion.	Rabbit Chase Lane	Proposed, Not Approved	Signal Change
per contribute toward improvement providing a separate left-turn and shared left turn, through and right turn as well as signage required on the westbound Bumpass Road and westbound Big Oak Road approach.	Bumpass Road and Big Oak Road	Proposed, Not Approved	Signal Change

Scale: 0 1.25 2.5 5 Miles

Improvement	Estimated Cost of Improvement	Funding Sources										Description		
		Ashland 50022026	Antares Meadows (Hyatt) 50020209	Bell Creek Commercial 50020209	Chapman 50020209	Clifford 50020209	Courtside Village 50020209	Conover & a block-wide of Highway 130 50020209	Christina 50020209	Chowchilla Village (Chapman) 50020209	Chowchilla Village (Chapman) 50020209		Chowchilla Village (Chapman) 50020209	
Commercial S.F.														
Commercial Multiplier														
Single Family Detached		150	106	111			656		158	233				
Single Family Semi-Detached								185	57					
Apartments														
Townhouse(s)		366				280			85					
Site ADT		1642	201	5	1145	1540	7496	1385	12415	3167	1264	12141		
1) Intersection: US 13 & SR 1												X	Developer should improve the intersection to include one left (500), two through, and one right-turn lane on the NB US 13 approach; one left, two through and one right-turn lane on the SB US 13 approach; one left, one shared left/through, and one right-turn lane (combined) on the WB SR 1 ramp; one left, one shared left/through and one right-turn lane on the EB side access.	
2) Intersection: US 13 & Carter Road													Developer should enter into an agreement with DeDOT to re-strip the intersection to include an east left-turn lane Carter Rd., an east NB left-turn lane on US 13 and extended NB second lane on US 13. Funding may be used at the existing intersection or future realigned intersection.	
3) Signal: US 13 & Carter Road	\$150,000				X	X	X			X		X	Developer should enter into a traffic signal agreement with DeDOT for the intersection of US 13 & Carter Road and include pad, signals, crosswalks, and intersection at DeDOT's discretion. Funding may be used at the existing intersection or future realigned intersection.	
4) Intersection: US 13 & Northern Site Access													Developer should improve the following NB US 13-1 left, 2 through lanes, SB US 13-1 left, 2 through, and 1 right-turn lane, EB side access-1 left, 1 through, and 1 right-turn; WB Cory Lane side US 13 & Cory Lane Intersection.	
5) Signal: US 13 & Northern Site Access/Cory Lane	\$150,000									X	X		Developer should enter into a traffic signal agreement with DeDOT for the intersection of US 13 & Northern Site Access and include pad, signals, crosswalks, and intersection at DeDOT's discretion. Funding may be used at the existing intersection or future realigned intersection.	
6) Intersection: US 13 & Cory Lane												X	Developer should enter into a traffic signal agreement with DeDOT for the intersection of US 13 & Cory Lane and include pad, signals, crosswalks, and intersection at DeDOT's discretion.	
7) Intersection: Carter Rd & Villanove Lane					X			X					Developer should improve the intersection during or to enhance construction of the developments participating includes separate left and right turn lanes on Villanove Lane.	
8) Intersection: Sunnyside Road & Rabbit Chase Lane							X						Developer should improve the intersection to include a separate NB right turn lane on Rabbit Chase Lane.	
9) Signal: Sunnyside Road & Rabbit Chase Lane	\$150,000						X						Developer should enter into a traffic signal agreement with DeDOT for the intersection of Sunnyside Road & Rabbit Chase Lane and include pad, signals, crosswalks, and intersection at DeDOT's discretion.	
10) Roadway: Rabbit Chase Lane	\$463,531												X	Developer should improve Rabbit Chase Lane from the limits of the Meadows & Sunnyside subdivision to 100' north Brenford Rd, which provides a typical section having a portway section having a median, travel lane in each direction, grass buffers, multi-use path on both sides of the road per DeDOT's discretion.
11) Roadway: Rabbit Chase Lane							X							Developer should improve Rabbit Chase Lane from the limits of the Worthington subdivision to Sunnyside Rd, which provides a typical section having a portway section having a median, travel lane in each direction, grass buffers, multi-use path on both sides of the road per DeDOT's discretion.
12) Intersection: US 13 & Brenford Road/Big Oak Road	\$141,246 + \$72,390 (RW)	X					X					X		Developer to contribute toward improvement providing a separate left-turn and shared left-turn, through and right turn lanes as well as striping required on the westbound Brenford Road and westbound Big Oak Road approaches.
13) Signal: US 13 & Brenford Road/Big Oak Road	\$150,000	X					X					X		Developer should enter into a traffic signal agreement with DeDOT for the intersection of US 13 & Brenford Road and include pad, signals, crosswalks, and intersection at DeDOT's discretion.
14) Signal: Brenford Road & Rabbit Chase Lane	\$150,000	X					X					X		Developer should enter into a traffic signal agreement with DeDOT for the intersection of Brenford Road & Rabbit Chase Lane and include pad, signals, crosswalks, and intersection at DeDOT's discretion.
15) Intersection: Brenford Rd and Rabbit Chase Lane		X					X							Developer should improve intersection to include a separate SB left-turn lane on Brenford Rd and separate SB right-turn lane on Rabbit Chase Lane.

PDCA - Solution

Increase Efficiencies and Accuracy through Controlled Editing

Planning and Development Coordination Application

Welcome bherb! Logout

Store Key Project Data in One Location

Projects Contacts View Offsite Improvements Map Comments Reports Administration

Project

- General Information
- County Information
- Frontage Roads
- Unit Types
- Approval Dates
- State/Local ID's
- Project Comments
- Attachments
- Letter Templates
- Project Letters

TIS Scoping

TIS

Fees

Fullscreen

General Information

Save Cancel Delete

Project: Auburn Meadows (fka Viridin Property)

Site Engineer: Riemann, Mike - Becker Morgan Group, Inc. +

Developer: Fox, Andy - Handler Homes +

Const. Agmt. No.: 1931

SR ID: SKR2029 Validate

Internal Contact: Hickman +

Type: Residential

Final Acceptance: ☐

Inactive: ☐

Files Scanned to G Drive: ☐

Files Converted: ☐

Status: Approved

County Information

County: ☒ Kent ☐ New Castle ☐ Sussex

Town:

Kenton

PDCA - Solution

Store Key Project Information – Site ADT

Planning and Development Coordination Application

Welcome bherb! Logout

Projects Contacts View Offsite Improvements Map Comments Reports Administration

▼ Project

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- Project Letters

► TIS Scoping

► TIS

► Fees

Fullscreen

Unit Types

Save Cancel Delete

ADT Summary

ADT	AM	PM	SAT
2779	212	263	240

← **Project ADT Summary**

Add New Unit Type

Delete

Zone: A-C - Agricultural Conservation

Units: 361.00

Description: Residential Condominium/Townhouse - (230-DU) ←

Recalculate ADT Values

ADT: eqn/rate	eqn	ADT	1912
AM: eqn/rate	eqn	peak vol	145
PM: eqn/rate	eqn	peak vol	173
SAT: eqn/rate	eqn	peak vol	148

← **ADT by Proposed Uses per ITE Manual**

Previously calculated total ADT: 2779

Delete

Zone: A-C - Agricultural Conservation

Units: 82.00

Description: Single-Family Detached Housing - (210-DU) ←

PDCA - Solution

GIS Mapping – Locate Projects and OI's Visually

DELDOT | PDCA (PDCA Version 2.2)

Basemap Widgets In Out Pan Full Back Forward Print

Active Tool: Pan Back

Save Project Parcels Reset Query when finished

Select Frontage Roads
Identify Intersections for Study
Identify Site Entrance Locations for Study
Add Roadway Improvements to Project
Add Intersection Improvements to Project
Associate Committed Developments
Create Project Image

Search

Project Address Parcel

Please select a County and Project, then click the Find Project button.

County: Kent
Subdivision: All
Status: All
Project: Cherrington (fka Dover Gardens)
Find Project

Layers

Legend Table of Contents

- All Other Improvements
- Intersection/Interchange Improvement
- Roundabout Improvement
- Signal Agreement Improvement
- Entrance Improvement
- Railroad Improvement
- Roadway Improvement
- Site Entrance
- Intersection

Offsite Improvements Symbols

200 m

Point Rectangle Polygon Clear

PDCA


Planning and Development Coordination Application
Welcome bpliszka! [Logout](#)

[Projects](#)
[Contacts](#)
[View Offsite Improvements](#)
[Map](#)
[Comments](#)
[Reports](#)
[Administration](#)

Project Search Filters

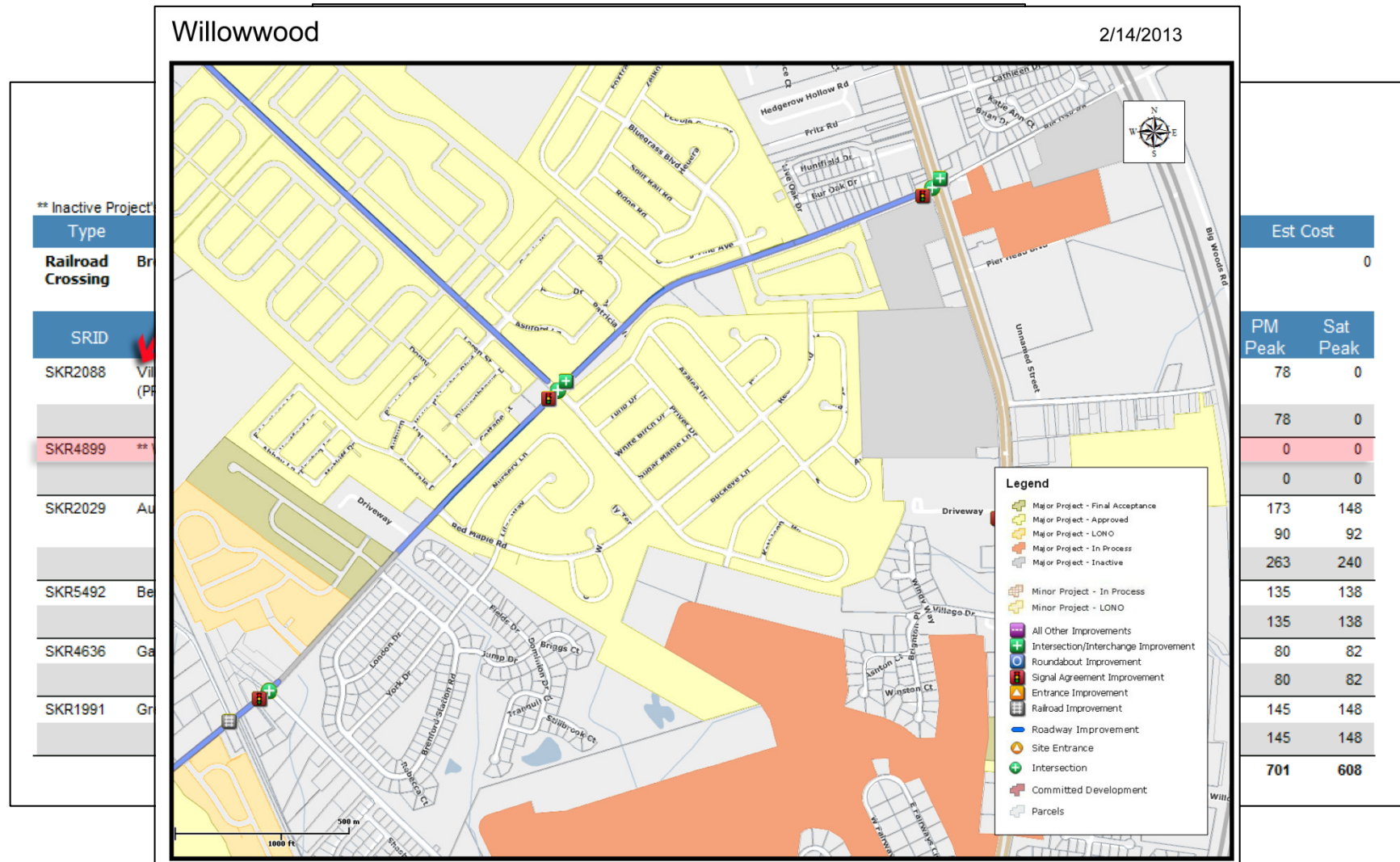
County:
Project Status:
Contains:

Subdivision:
File Upload Status:

	Type	Project	Protocol Tax Parcel No.	Current Tax Parcel No.	SR_ID	Engineer	Internal
Action	C	University of Delaware Bookstore	1802000055	1802000055	SNR7153	Davies	Schwartz
Action	R	00 unknown developer signal agreements	1002800020	1002800020			
Action	M	00 unknown developer signal agreements	135-23.00-13.00	135-23.00-13.00	* N/A	DelDOT	Cote'
Action	R	00_Kevin_Test	8-00-11200-01-2000-00001	8-00-11200-01-2000-00001		Adams	Brestel
Action	M	00DelDOT	135-23.00-13.00	135-23.00-13.00	* N/A	DelDOT	
Action	R	00DelDOT	2-05-07700-01-1800-00001	2-05-07700-01-1600-00001	* N/A	DelDOT	Cote'
Action	C	1000 Church Road	1004300007	1004300007	SNR6494	O'Connell	Schwartz
Action	C	1040 South Chapel Street	1101000027	1101000027	SNR6723	Casper	Schwartz
Action	M	109 & 111 Elkton Road	1801900329	1801900329	SNR7113	Ziegler	Schwartz
Action	C	111 South Sixth St.	2400300047	2400300047	SNR6471	DeAscanis	Lin
Action	C	1130 Capitol Trail	0806010094	0806010094	SNR7189	Sloan	Schwartz
Action	M	119 Elkton Road	1802500215	1802500215	SNR6500	Ziegler	Schwartz
Action	C	1234 Lancaster Ave.	2603430304	2603430304	SNR7147	Batta	Woodhall
Action	M	132 East Delaware Avenue	1802000096	1802000096	SNR7275	Charma	Schwartz
Action	M	136 Elkton Road	1802500124	1802500124	SNR7118	Charma	Schwartz
Action	C	150 Red Mill Road	0901600008	0901600008	SNR6252	Ziegler	Schwartz
Action	C	16 Mile Brewery	135-20.00-50.00	135-20.00-50.00	SSR9094	Cruz	Sapp
Action	R	1712 Foulk Road	0605400074	0605400074	SNR7128	Kaszyski	Brestel
Action	R	1737 & 1741 Brackenville Road	0801330078	0801330078		Garcia	Schwartz
Action	C	2225 North DuPont Highway	1000900014	1000900014	SNR7150	Casper	Woodhall

PDCA - Solution

Improved Transparency and Tracking Data



PDCA

DELDOT PDCA (PDCA Version 2.2)

Basemap Widgets In Out Pan Full Back Forward Print

Active Tool: Pan Back

Edit Project Definition
Active Project: Cool Spring Meadows (SSR4003) New Project Zoom X

Define Project Boundary

Use the tools below to select the parcels relevant to the project.

Add Parcels Remove Parcels Select Parcel

Active tool:

Selected Parcels: 3 Parcels

- 234-5.00-30.00
- 234-5.00-30.00
- 234-5.00-33.00

Save Project Parcels Reset Query when finished

Select Frontage Roads

- Identify Intersections for Study
- Identify Site Entrance Locations for Study
- Add Roadway Improvements to Project
- Add Intersection Improvements to Project
- Associate Committed Developments
- Create Project Image

Search X

Project Address Parcel

Please select a County and Project, then click the Find Project button.

County: [Dropdown]
Subdivision: All [Dropdown]
Status: All [Dropdown]

Point Rectangle Polygon Clear

Major Projects 1 Feature(s) Selected Show Label Legend Copy to Edit

Functions	Project	SR ID	Project Type	Total Units
Actions	Cool Spring Meadows	SSR4003	R	226

Minor Projects Nothing Found Show Label Legend Copy to Edit

- Intersection Improvements Show Label Legend
- Roadway Improvements Show Label Legend
- Site Entrance Show Label Legend

PDCA – Enhancements Coming Soon

- Checklists & Comments
- Approval Letters
- Design Deviation Functionality
 - Extend to outside consultants
 - Incorporate standardized workflows
 - Support direct submittals
 - Facilitate deviation reviews
 - Evaluate deviation request trends
- Integrating TIS Scoping & TIS letters
- Project Creation by Outside Consultants
- Electronic Submittals
- Online Fee Payments

PDCA – Enhancements Coming Soon

- Support Increased Volume of Digital Documents
- Integrating SharePoint workflow
- Additional GIS Layers
 - AADT data with maintenance road numbers
 - Bike routes
 - Legislative district boundaries
 - Functional classification of roadways
 - Airport notification areas
 - Strategies for state spending
 - Capital projects
 - Pave and rehab projects

PDCA – Project Coordination

- Application value
 - Full access to development activity within your project limits
 - Known offsite improvements and related info
 - Transparency of the Development Coordination process
- Request access through Subdivision Section for log-in