

TOWAMENCIN TOWNSHIP

SIDEWALK CONNECTIVITY STUDY

Public Meeting #3 – April 13, 2023

Please note this presentation is being recorded.

During the presentation feel free to type questions in the Q&A box. We will answer questions during the Q&A session after the presentation.

Agenda

1. Team Introduction
2. Update: Public Input
3. 'Toolbox' & Application Review
4. Draft Routes Concepts
5. Preliminary Cost Estimate
6. Draft Priorities
7. Funding
8. Discussion
9. Next Steps

Project Committee

Committee Members

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Project Schedule

- 4 Public meetings
- 4 Committee meetings
- Selected Key Person Interviews
- Opinion Survey (6 mo.)
- Wikimapping
- Press Releases
- Township Staff meetings

Towamencin Connectivity Study – Project Schedule

| Meeting | Purpose | Date | Time |
|--|--|---|----------------|
| Committee Meeting #1 | Project overview, initial site analysis, brainstorming | Monday, October 10, 2022 | 7:00 - 8:30 PM |
| Public Opinion Survey/ Wikimapping Period | Write and administer Public Opinion Survey/ Wikimapping | Monday, October 3, 2022 – Thursday, April 13, 2023 | |
| Public Meeting #1 | Project Overview / Public Brainstorming | Thursday, November 10, 2022 | 7:00 - 8:30 PM |
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| Public Review Period | 45-Day Draft Plan Review | Thursday, April 13, 2023 – Monday, May 29, 2023 | |
| Board of Supervisors Meeting | Review Draft Plan | Wednesday, May 10, 2023 | 7:00 - 8:30 PM |
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Today



Update: Public Input



Survey Results to Date










- PM2 February 6th – 270 Responses
- **PM3 April 13th – 430 Responses**

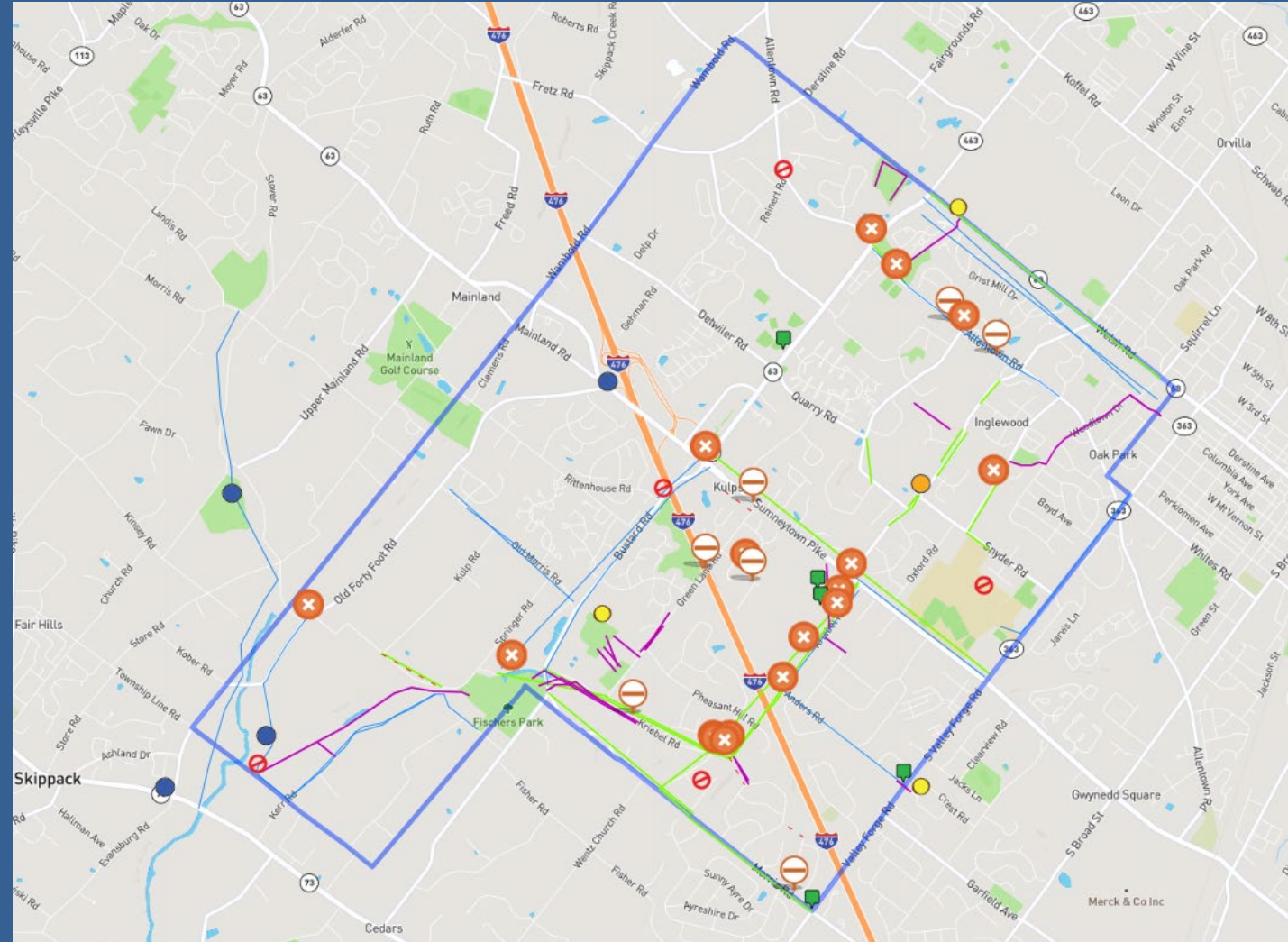
SUMMARY CATEGORIES

1. **Demographics:** 65% respondents Towamencin residents >10 years
2. **Transportation & Mobility-General:** The top three areas users would like to see improved pedestrian and/or bicycle access to are: **Parks, Residential Neighborhoods, and Retail Establishments**
3. **Transportation & Mobility-Parks & Trails:** **Fischer's Park** is a major destination for both park and trail use.
4. **Traffic Safety:** The top three items that would encourage users to walk more are **additional sidewalks, additional off-road trails, and better connectivity between sidewalks**
5. **General Issues and Concerns:** Users want to **prioritize improving/widening sidewalks and pedestrian paths**; then, maintaining existing infrastructure (sidewalks, roadways, etc.)

WikiMap Results to Date

- PM2 February 6th – 100 Inputs
- PM3 April 13th – 113 Responses

-  BARRIERS TO CONNECTIVITY (5 total)
-  DESIRED BIKE ROUTE (17 Total)
-  DESIRED SIDEWALK (21 Total)
-  DESIRED TRAIL (24 Total)
-  CHALLENGING AREAS (17 Total)
-  CULTURAL/HISTORIC LOCATION (4 Total)
-  DESIRED DESTINATION (3 Total)
-  DESIRED LOCATION FOR CROSSWALK (2 Total)
-  SIDEWALK GAP LOCATION (8 Total)



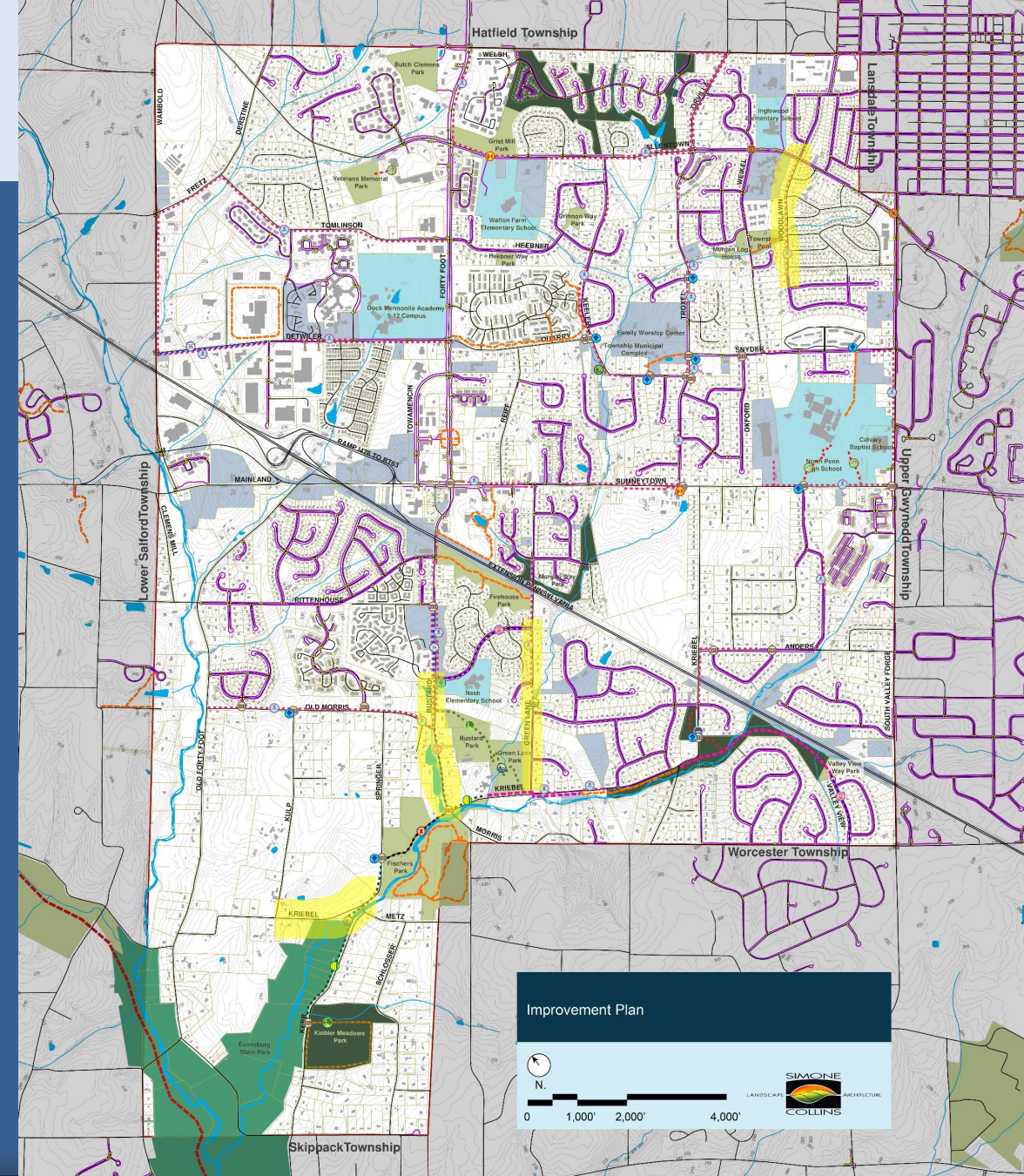
Interviews

- **North Penn School District – Tom Schneider**
 - Traffic Study completed on Snyder Road
 - Possible roundabout
- **Evansburg State Park – Bethany Hare**
 - Worcester Township spoke about designing a trail on park land
- **Township Engineer – Mary Stover**
 - Wambold Road planned trails



Draft Plan Review

- 3 residents have emailed SC with request to:
 - Add connection improvements to Township Pool
 - Add improvements on Kriebel Road, between Kulp and Springer.
 - Add improvements that will connect the surrounding neighborhoods to Green Lane Road Park and Fisher's Park.















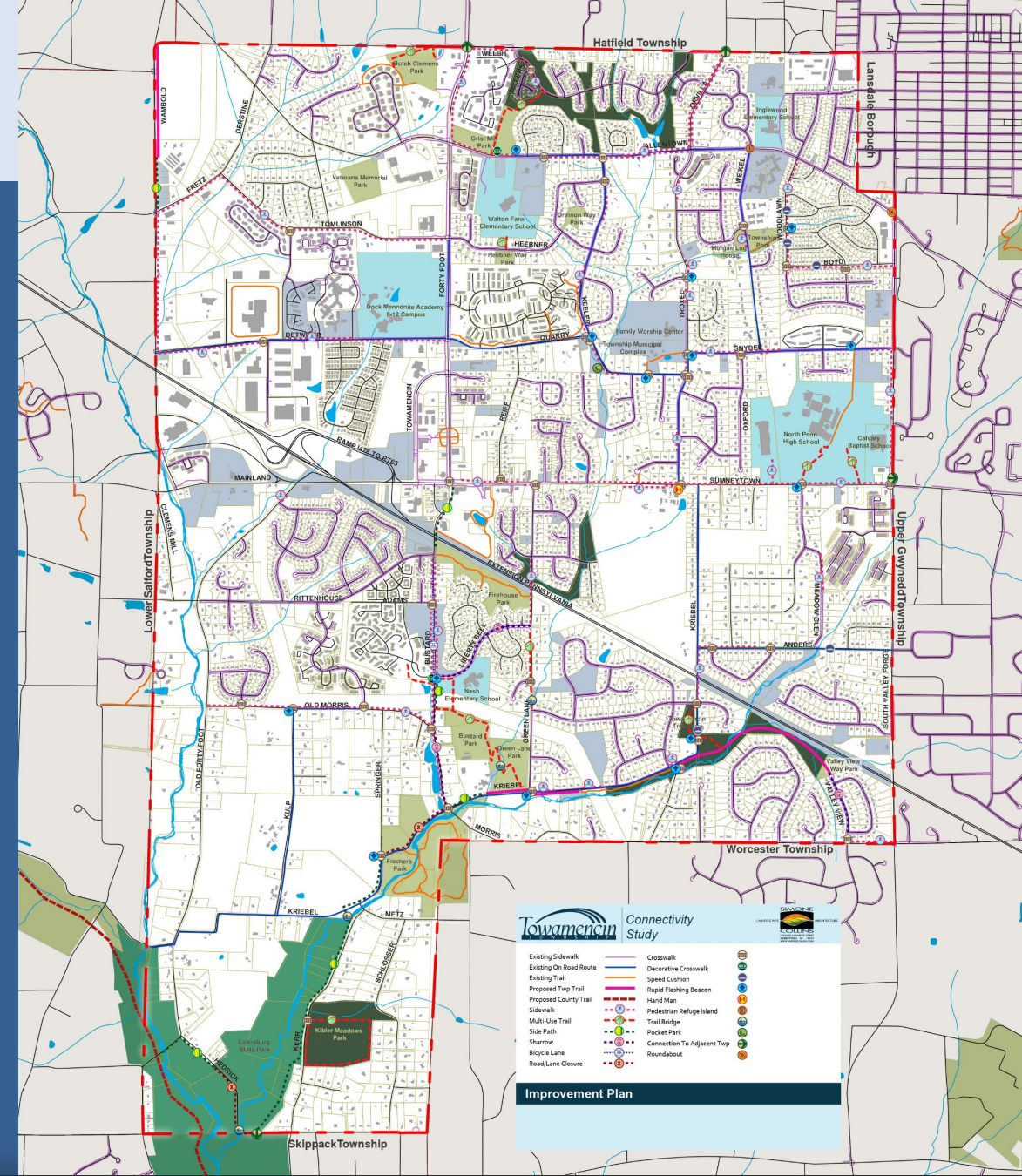


'Toolbox' & Application Review



Improvement Toolbox

-  Sidewalk
-  Crosswalk
-  Decorative Crosswalk
-  Speed Cushion
-  Rapid Flashing Beacon
-  Hand Man
-  Pedestrian Refuge Island
-  Multi-Use Trail
-  Side Path
-  Sharrows
-  Bicycle Lane
-  Road/Lane Closure
-  Trail Bridge
-  Pocket Park
-  Connection To Adjacent Townships
-  Roundabout



Improvement Toolbox – How it works



Improvement Toolbox – How it works



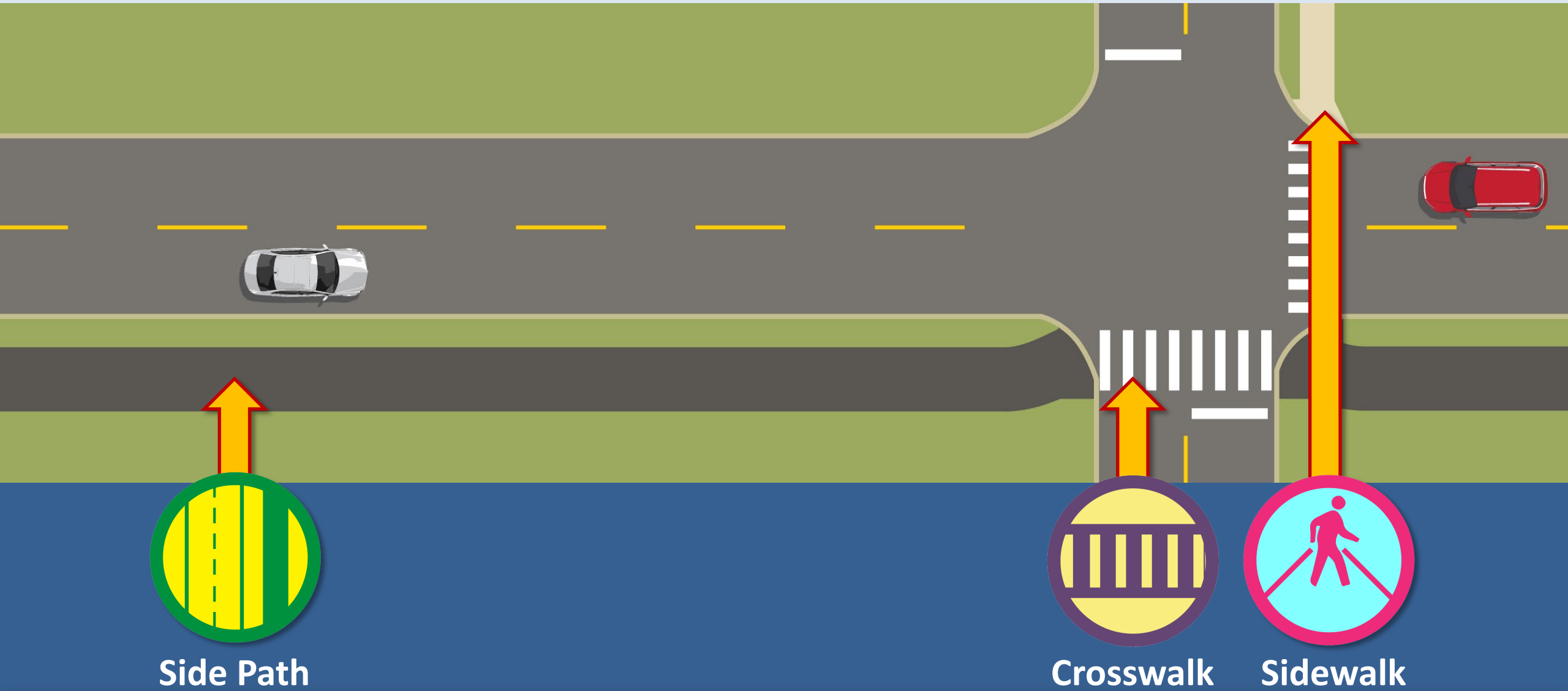
Improvement Toolbox – How it works



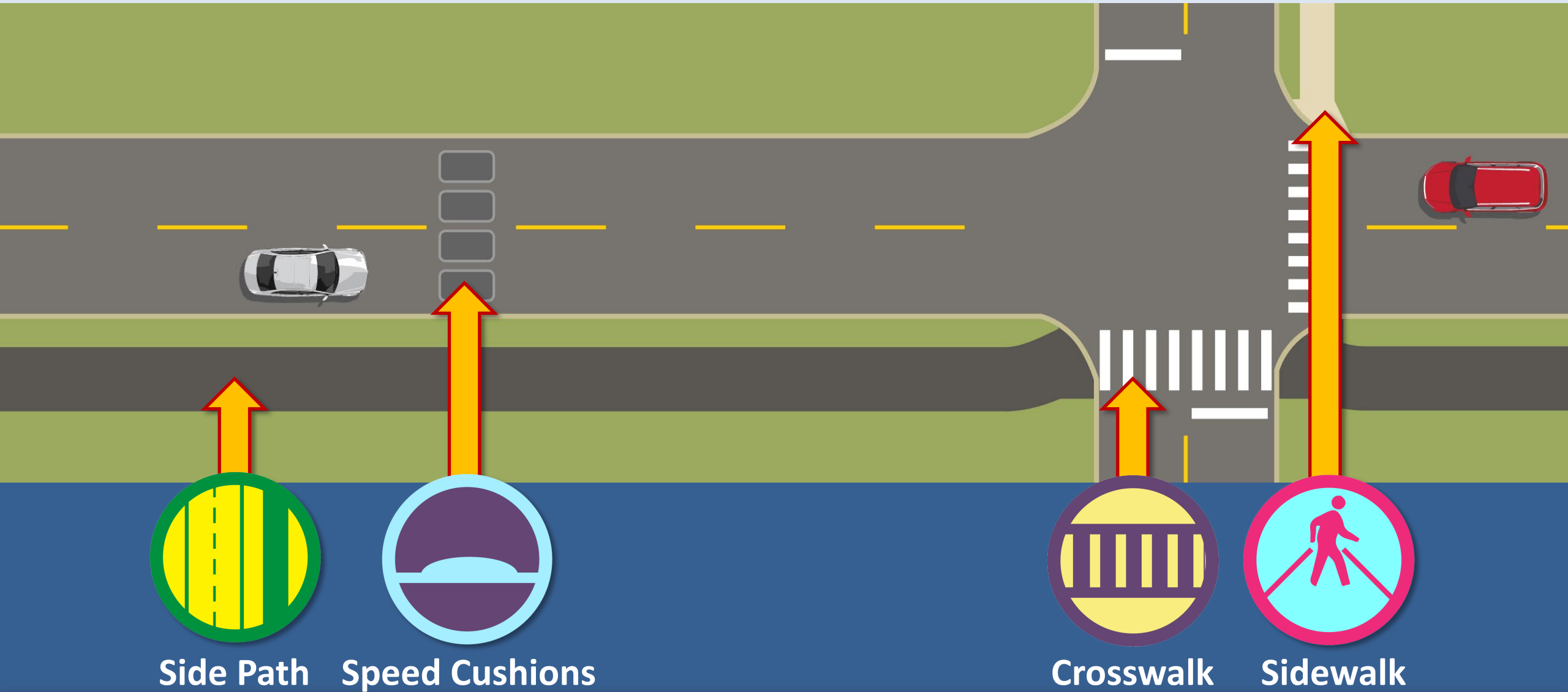
Side Path

Sidewalk

Improvement Toolbox – How it works



Improvement Toolbox – How it works





Draft Route Concepts



Draft Route Concepts

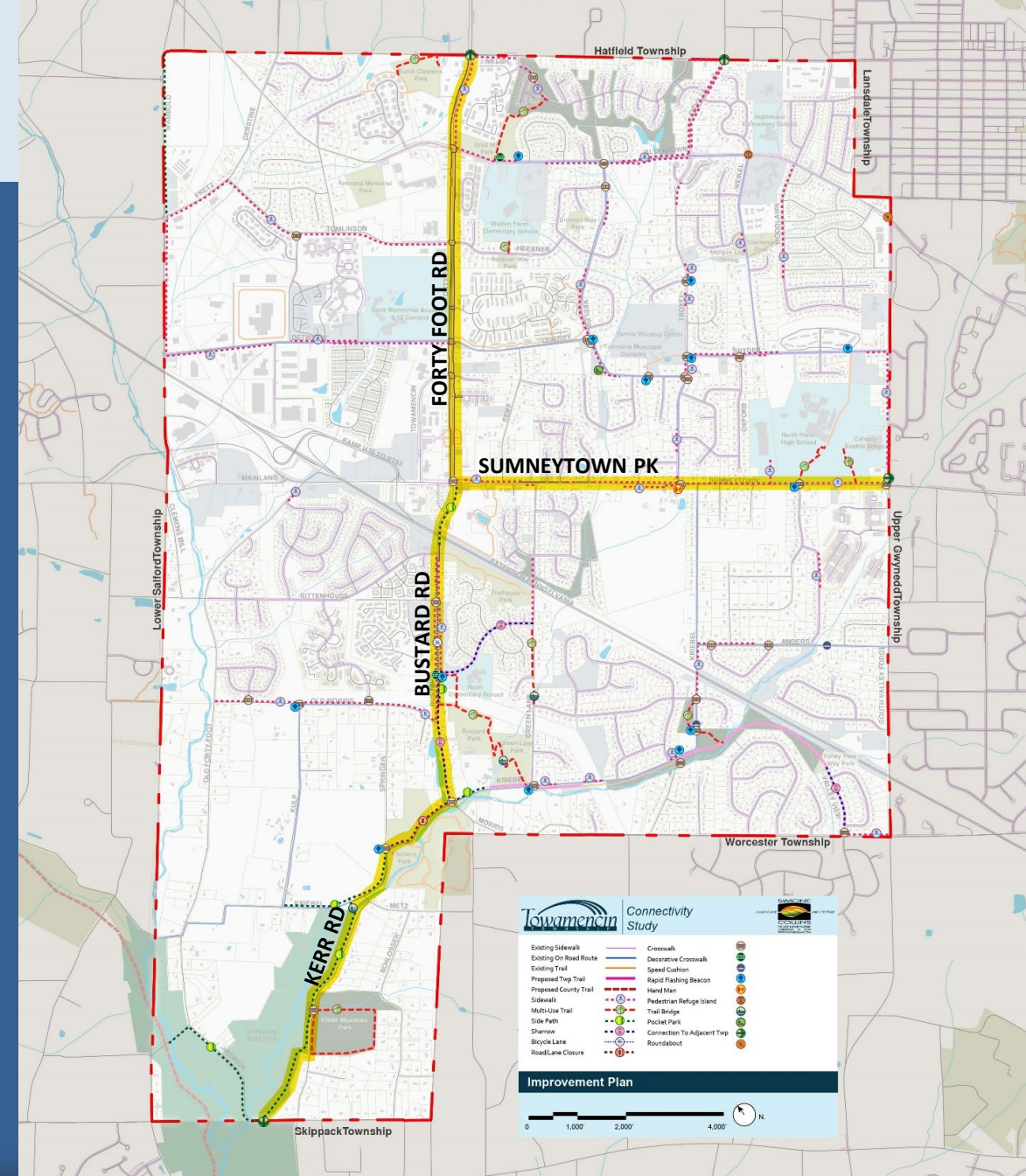
1. Township Collector Route
2. School Connection Route
3. Park Connection Route



Draft Route Concepts

Township Collector Routes

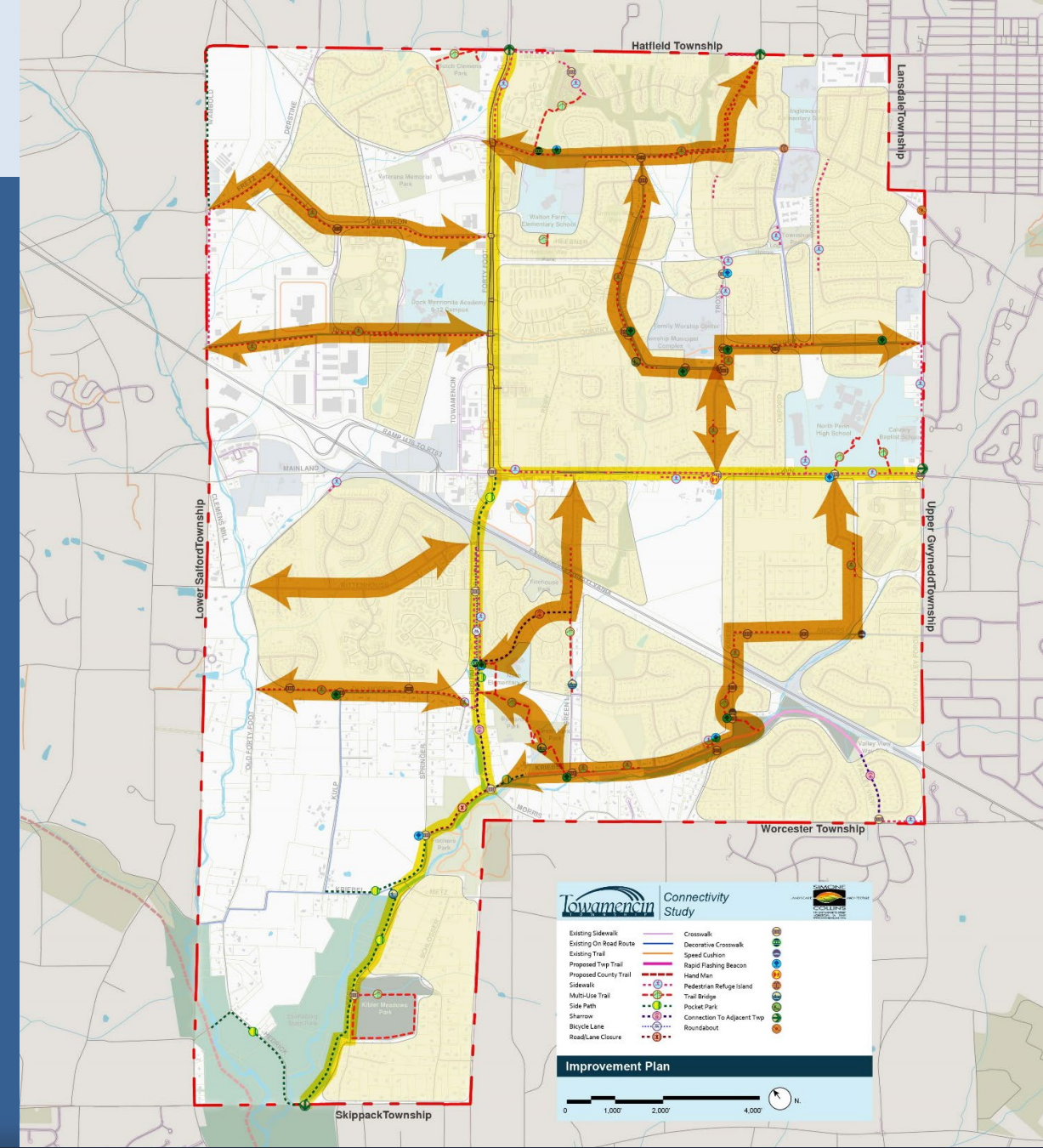
- Runs North-South on Forty Foot Road and Bustard
 - Connects northern commercial area of Township to Evansburg State Park in the south
- Runs East-West on Sumneytown Pike
 - Creates lateral connection to residential areas



Draft Route Concepts

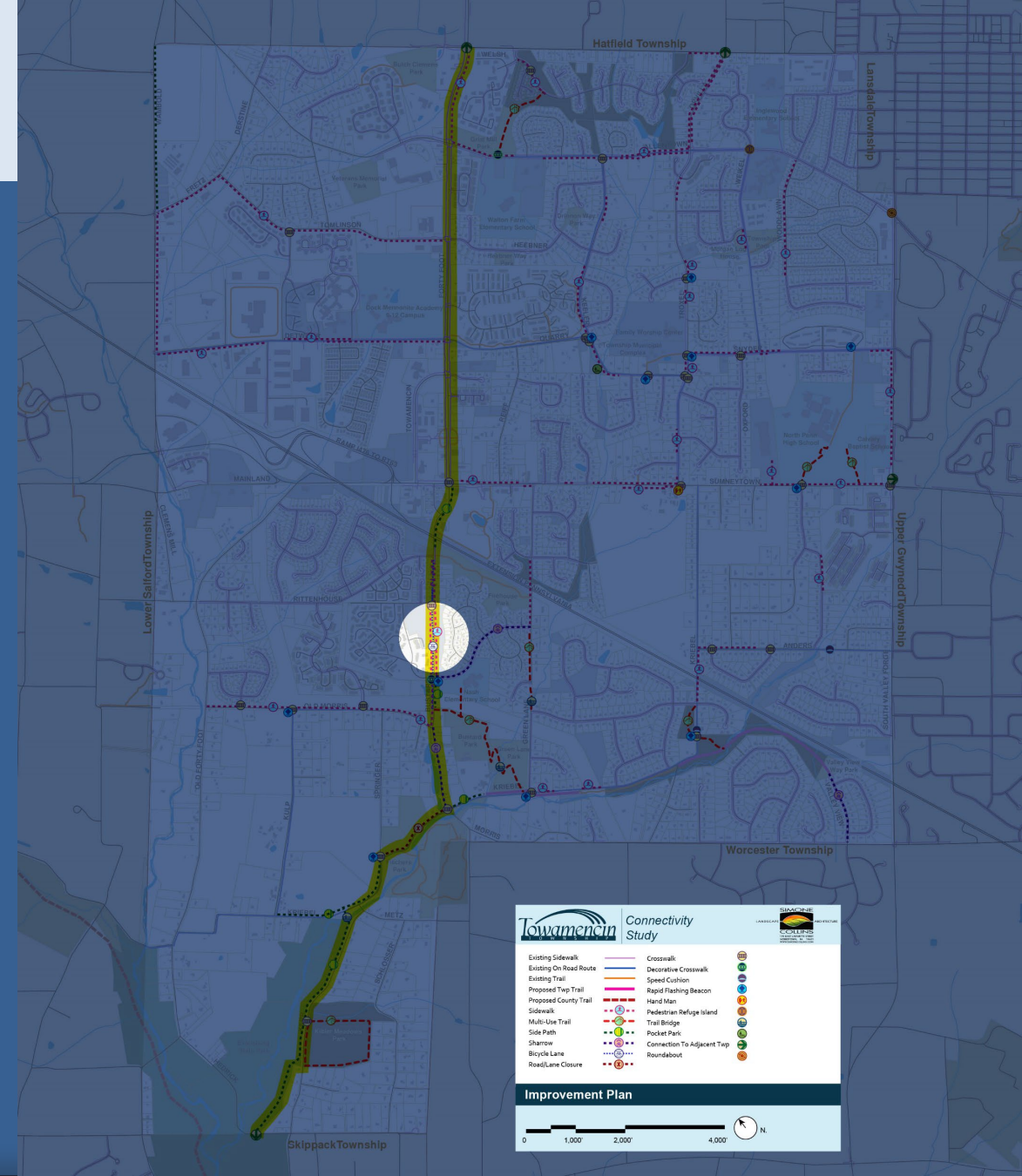
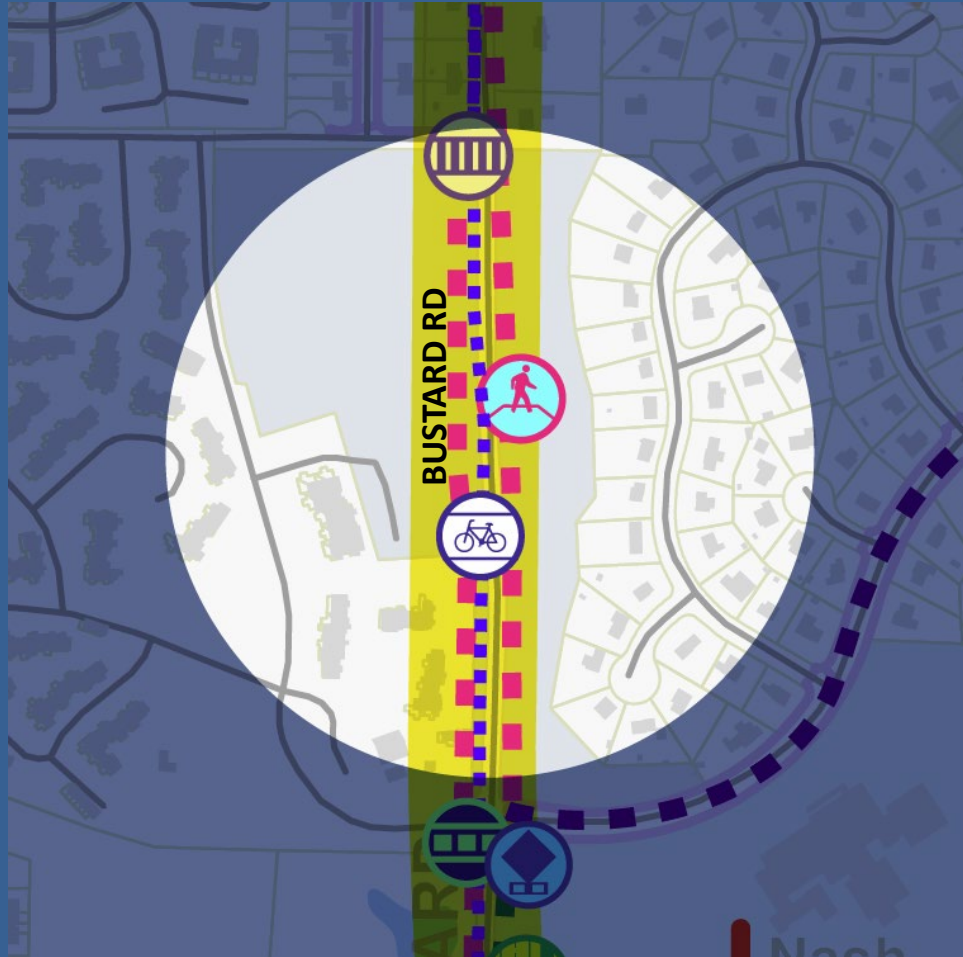
Township Collector Route

- Connecting residential areas to major trail connectors



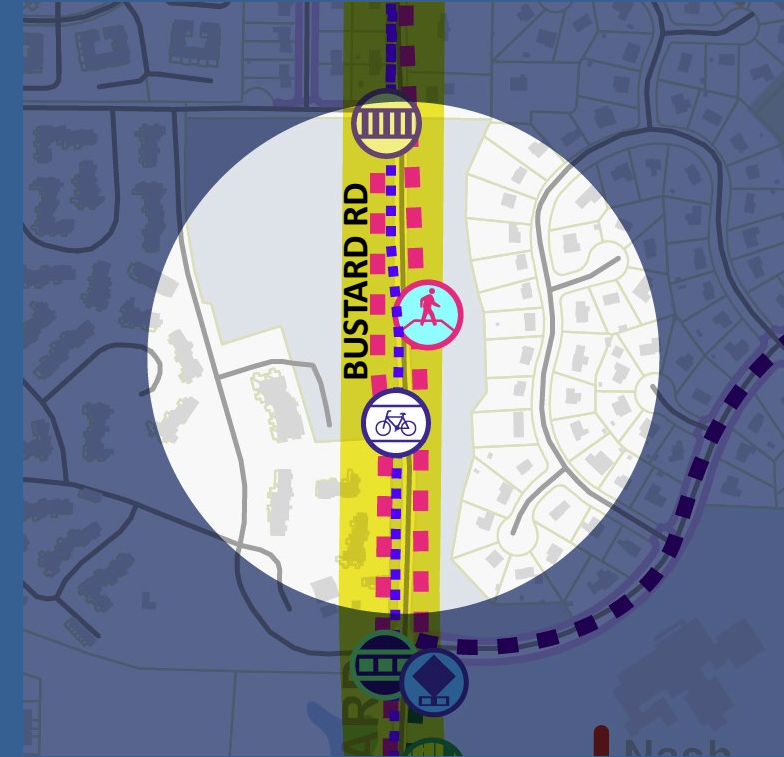
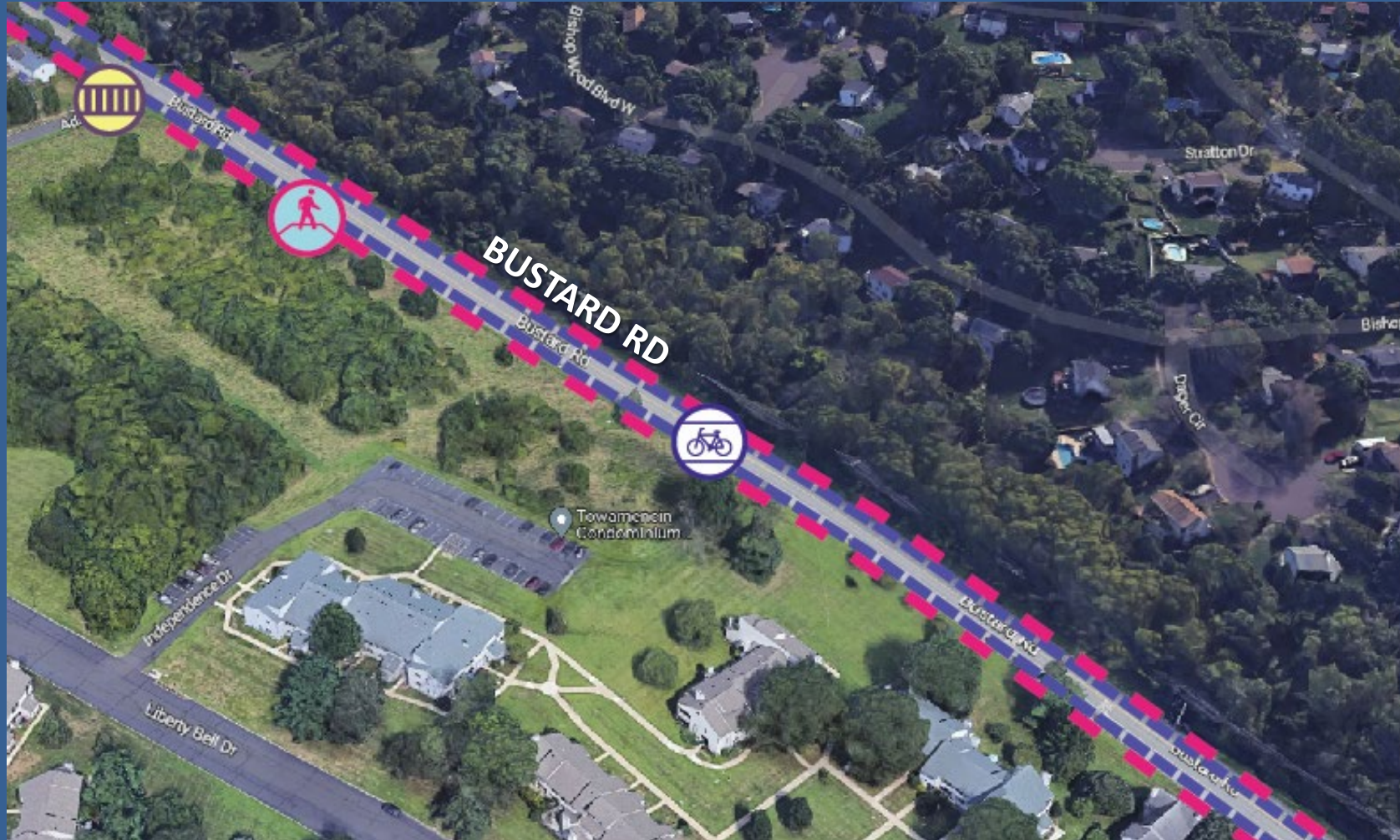
A Closer Look...

Bustard Road, South of Rittenhouse Road



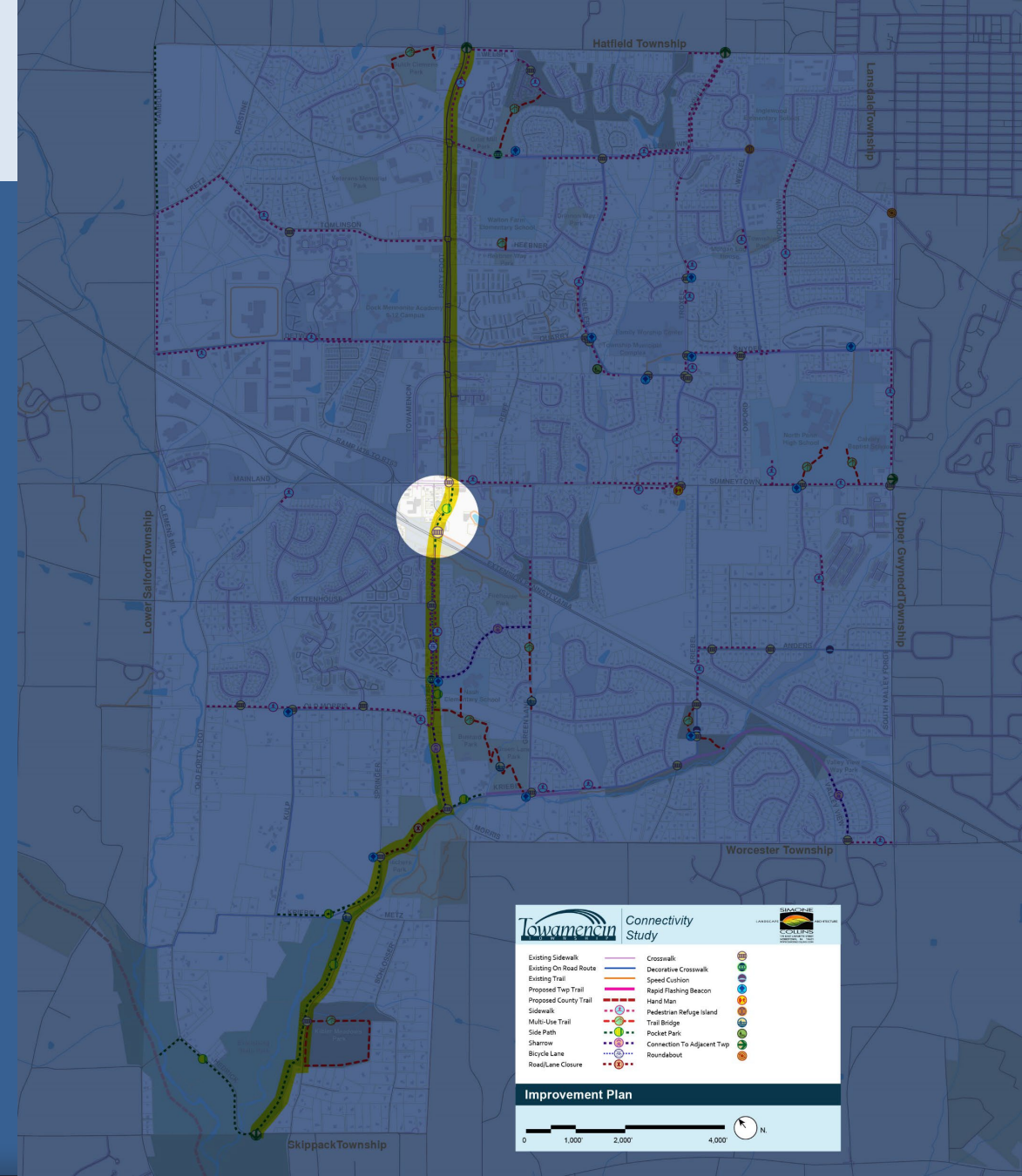
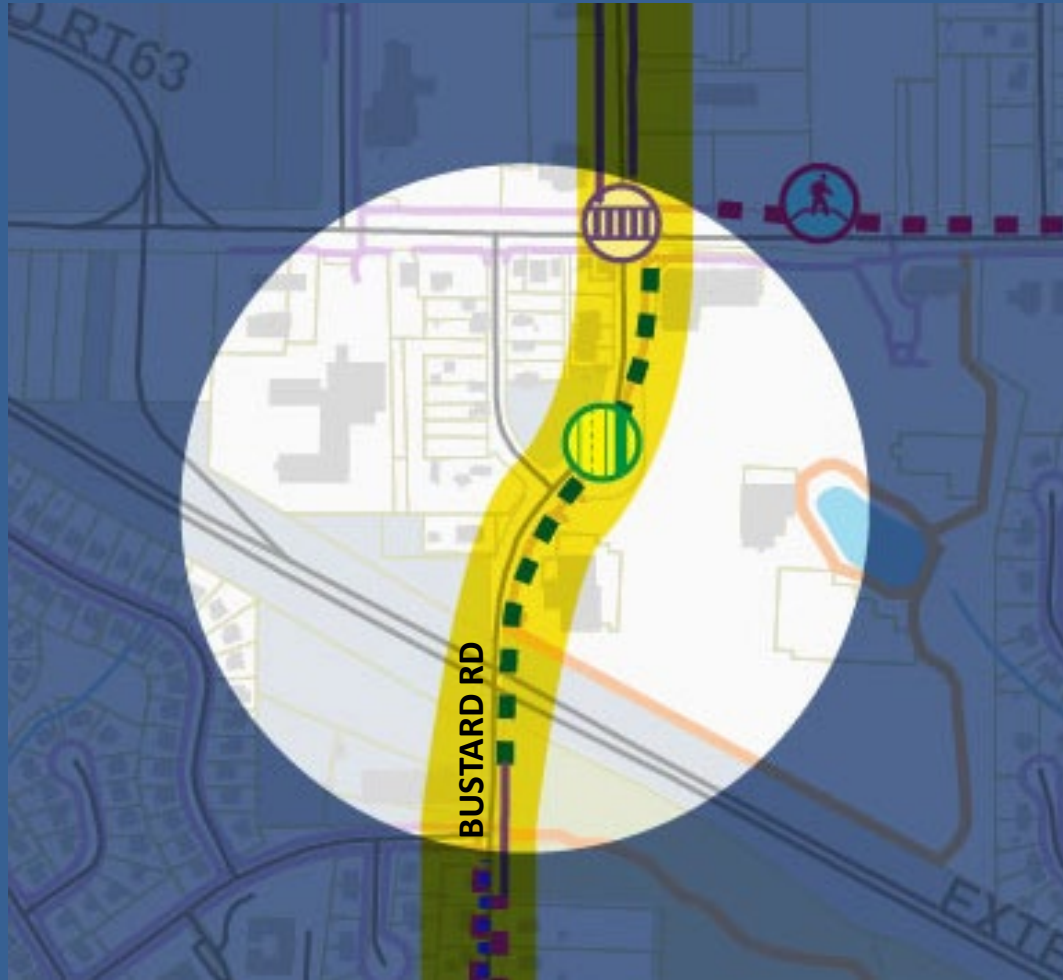
A Closer Look...

Bustard Road, South of Rittenhouse Road



A Closer Look...

Bustard Road, North of Rittenhouse Road



A Closer Look...

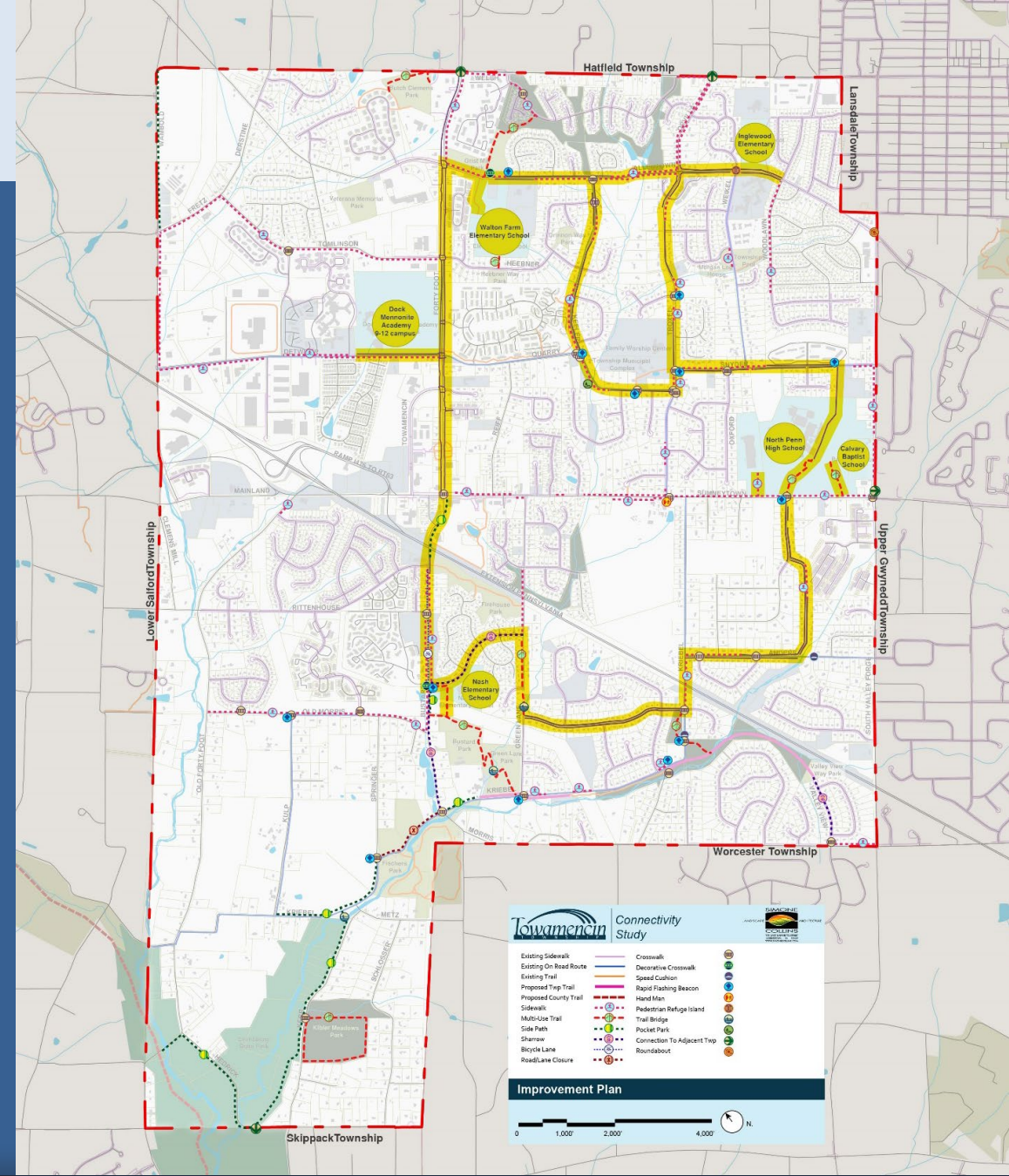
Bustard Road, North of Rittenhouse Road



Draft Route Concepts

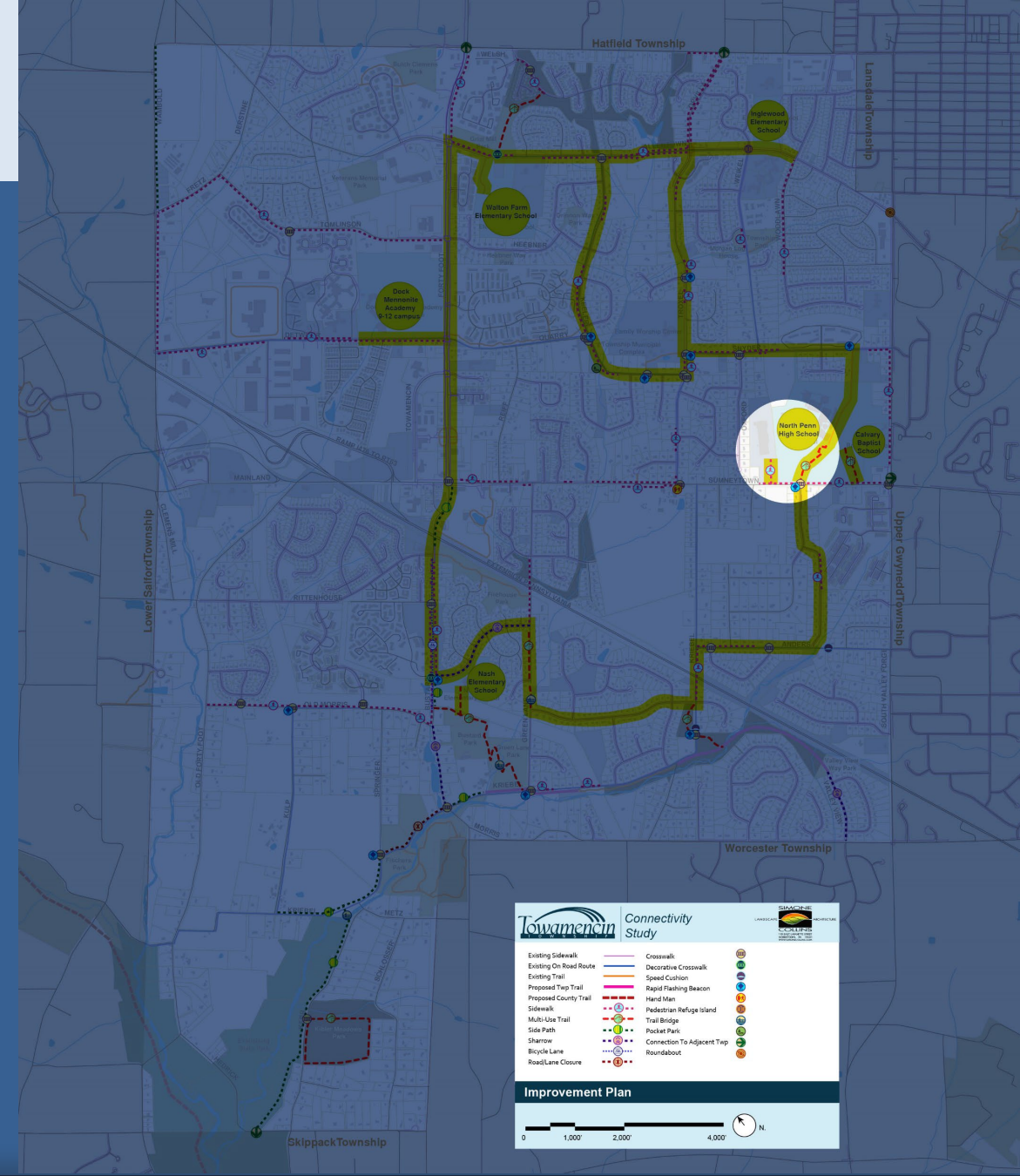
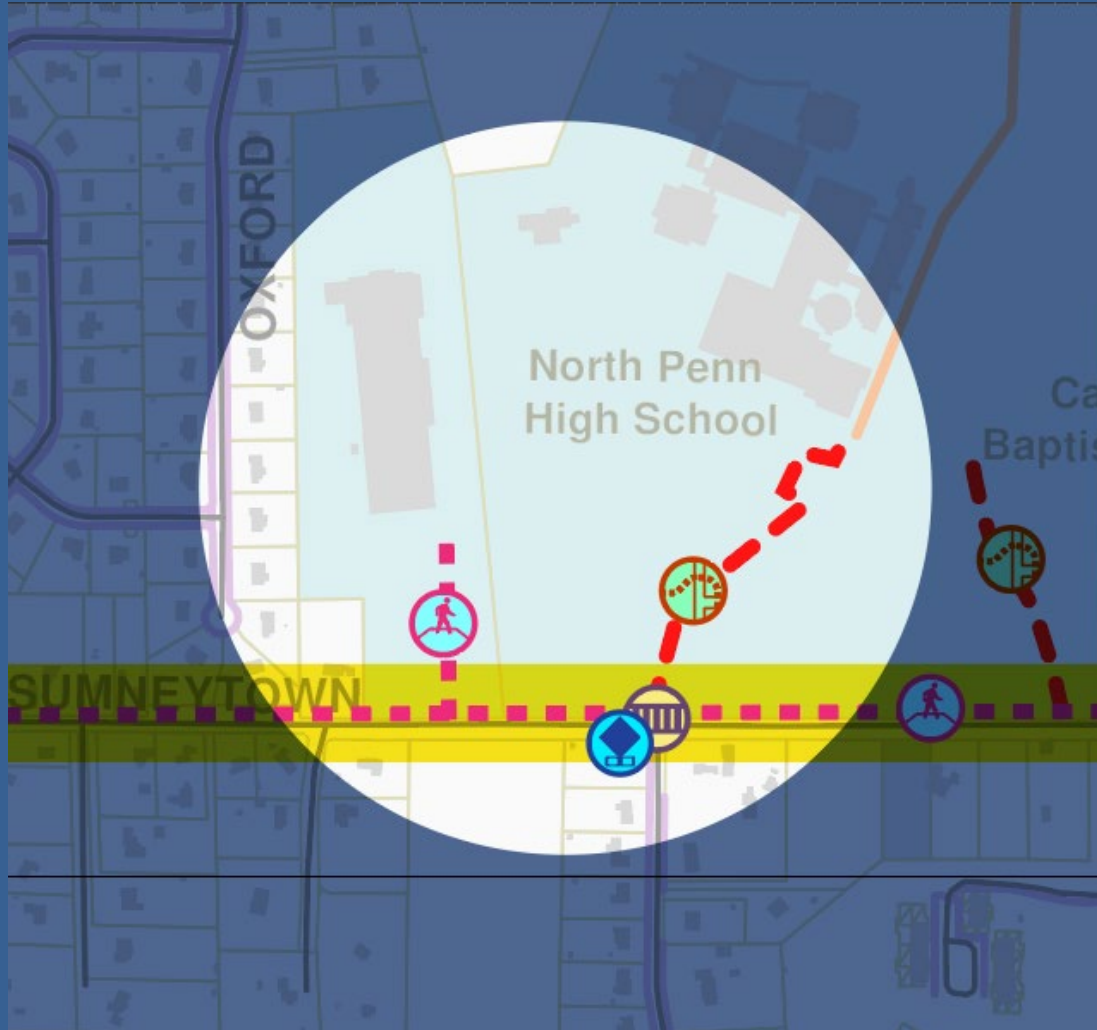
School Connection Route

- The route will connect all public and private grade schools, and the vocational school:
 - Inglewood Elementary School
 - Nash Elementary School
 - North Penn High School
 - Walton Farm Elementary
 - Dock Mennonite Academy
 - Calvary Baptist School
 - North Montco Technical Career Center



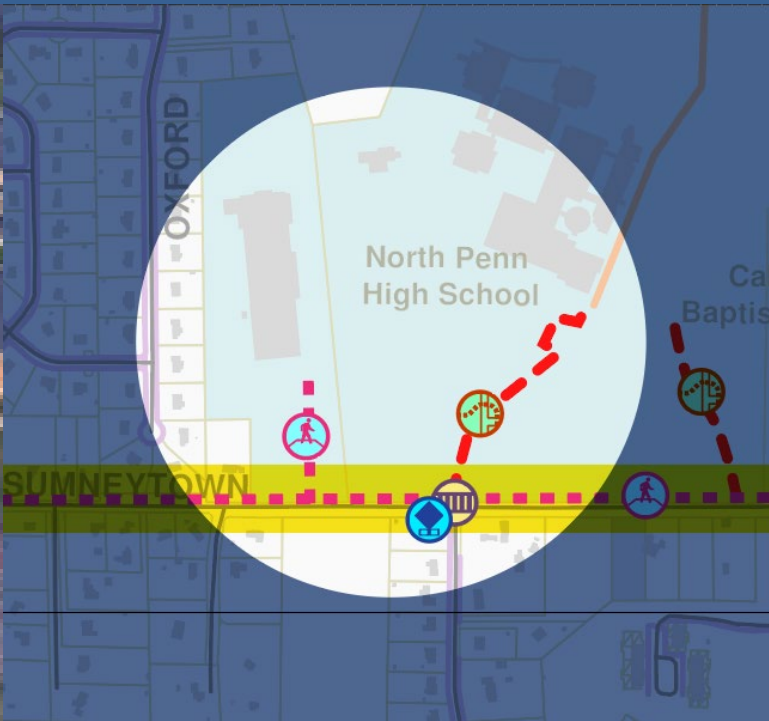
A Closer Look...

North Penn High School



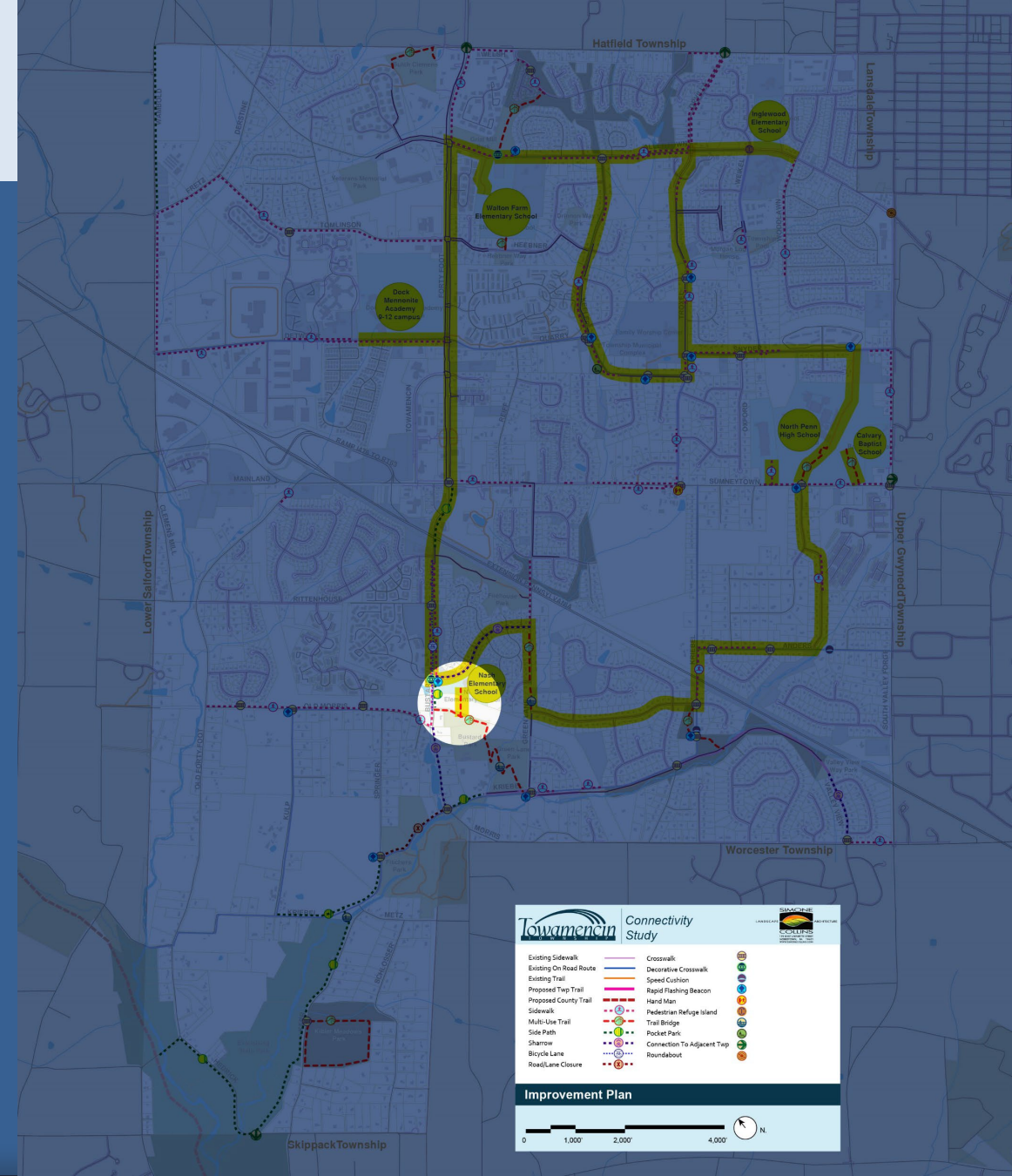
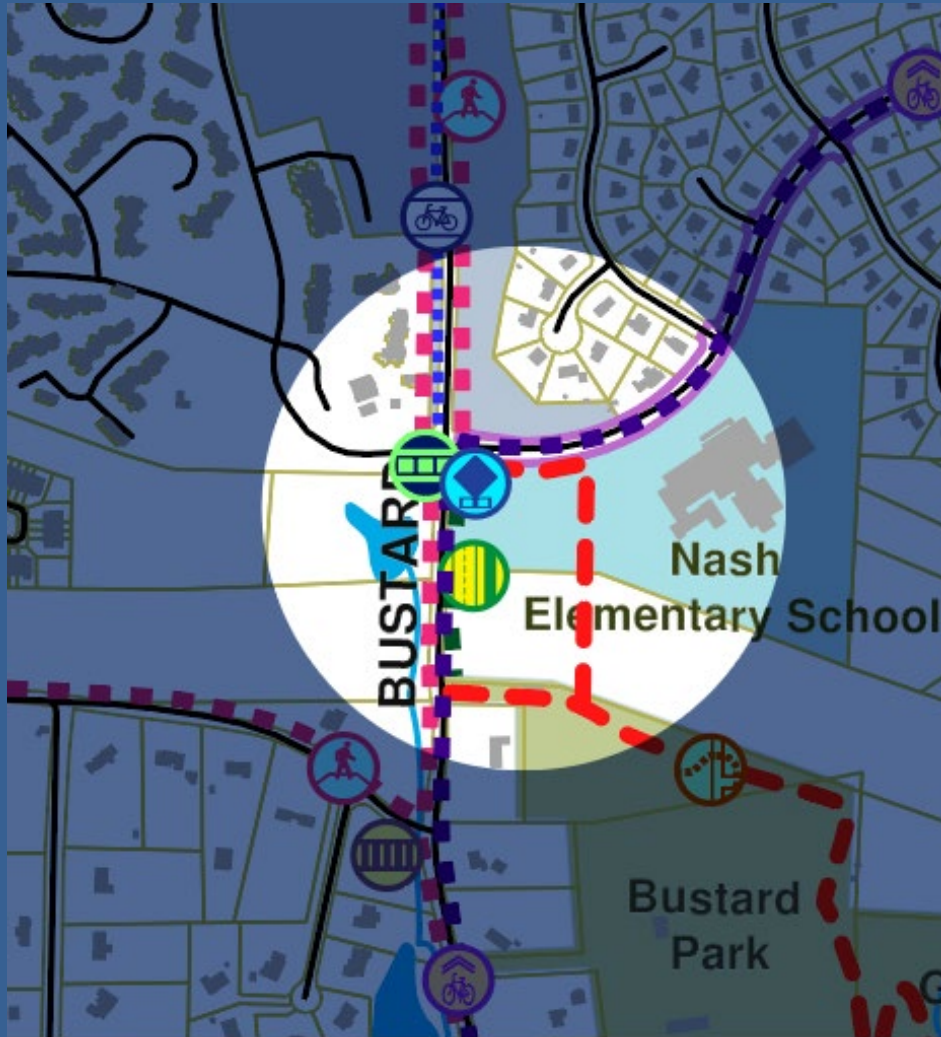
A Closer Look...

North Penn High School



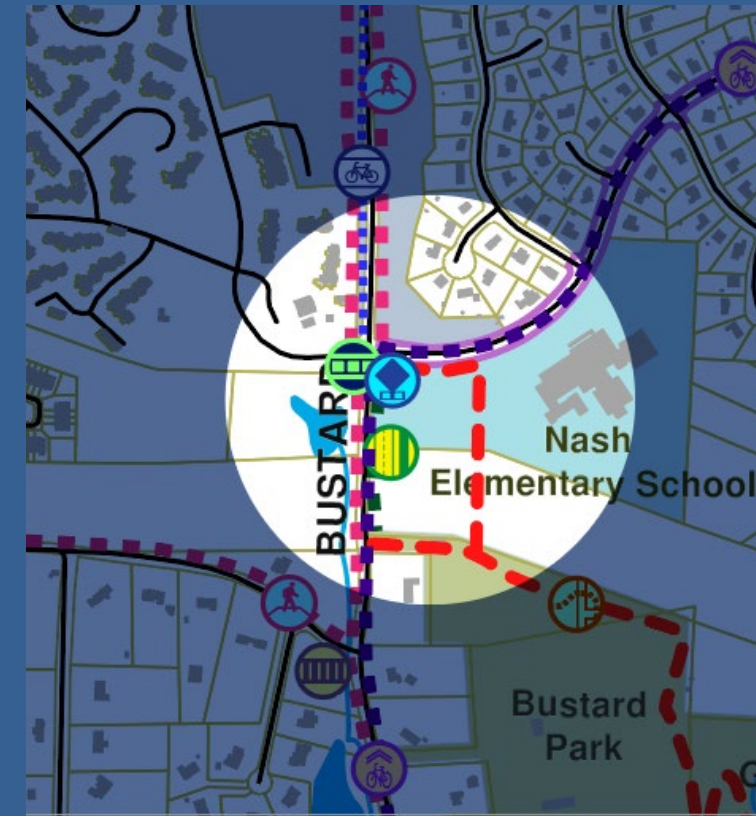
A Closer Look...

Nash Elementary School



A Closer Look...

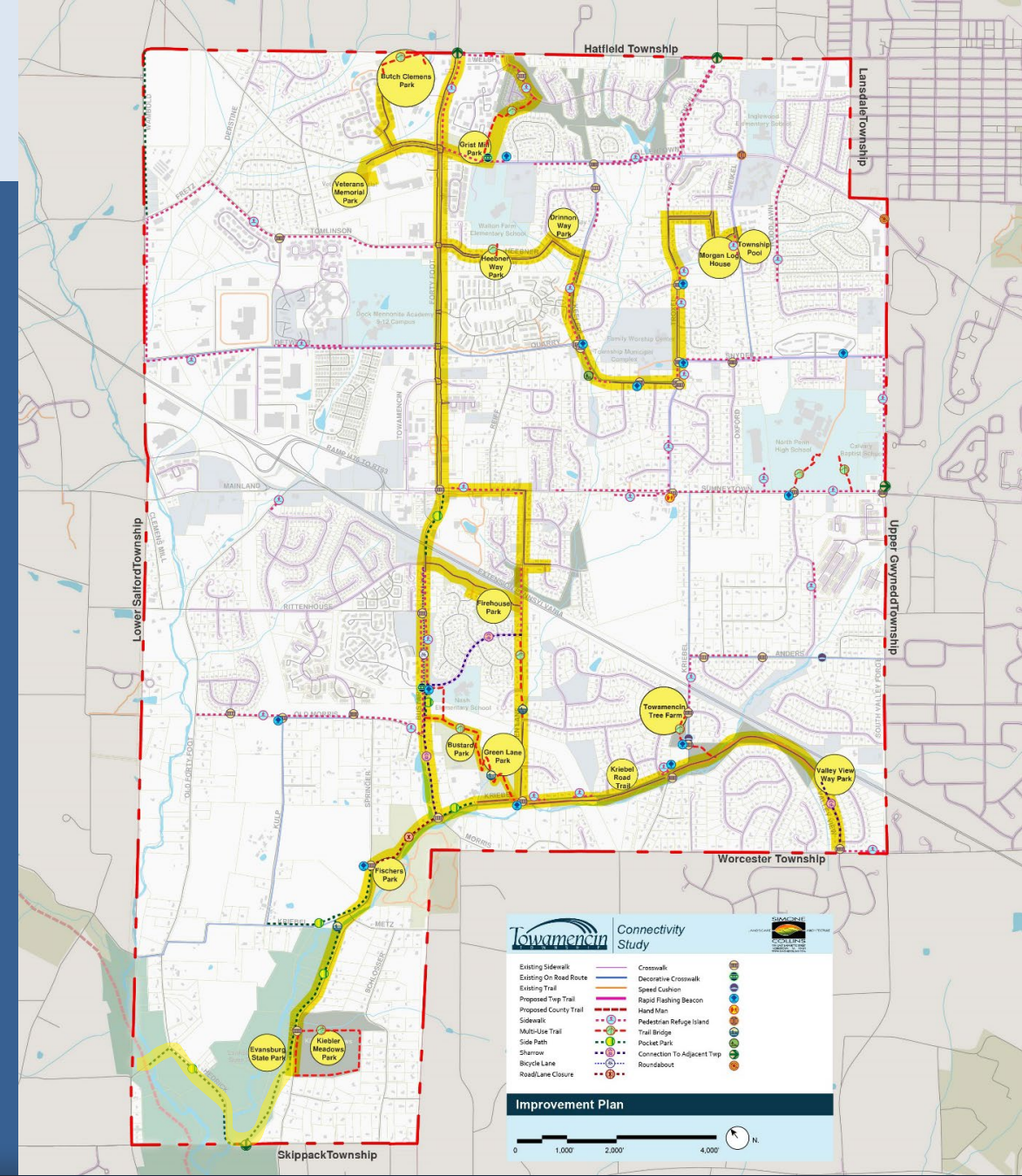
Nash Elementary School



Draft Route Concepts

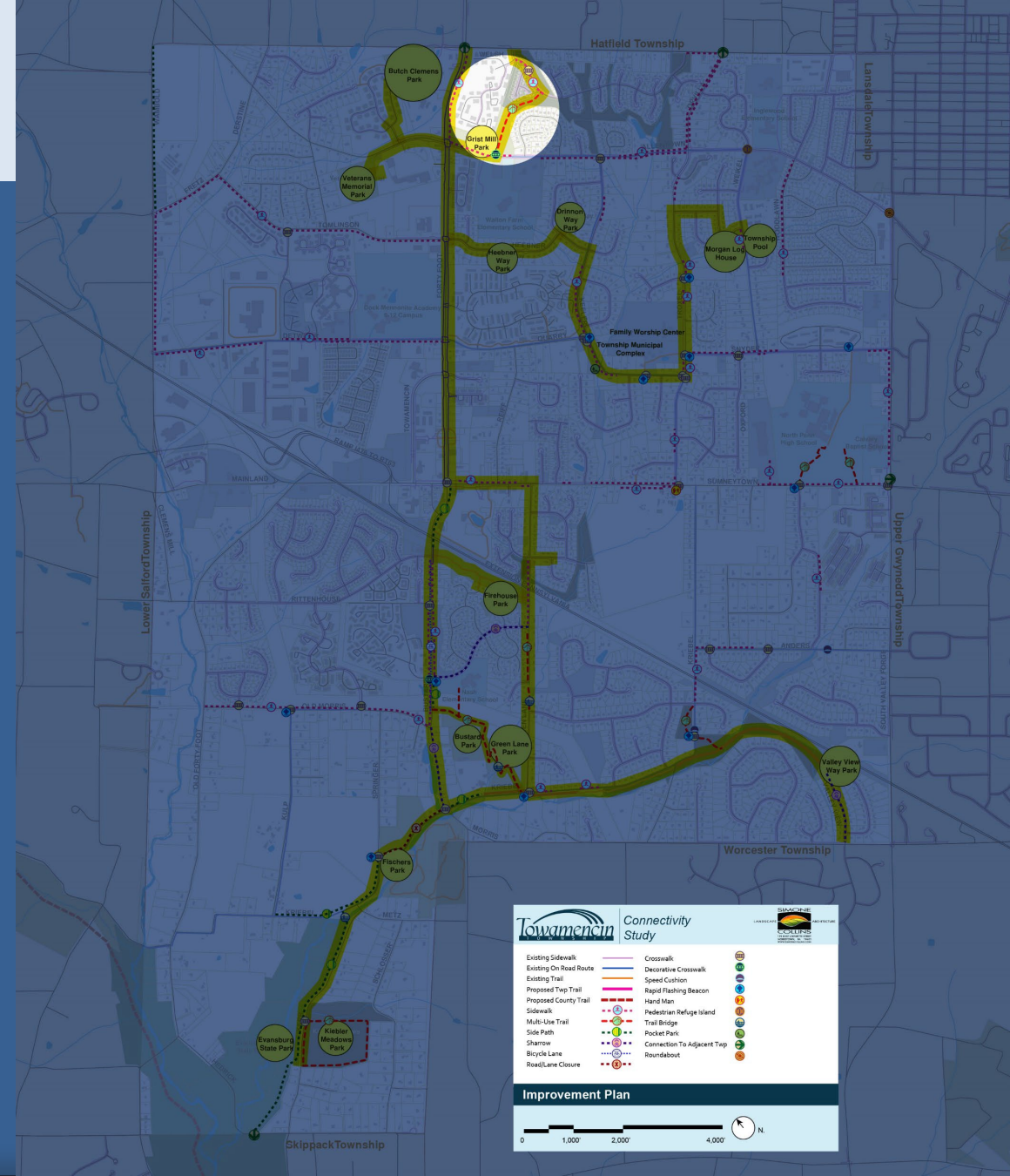
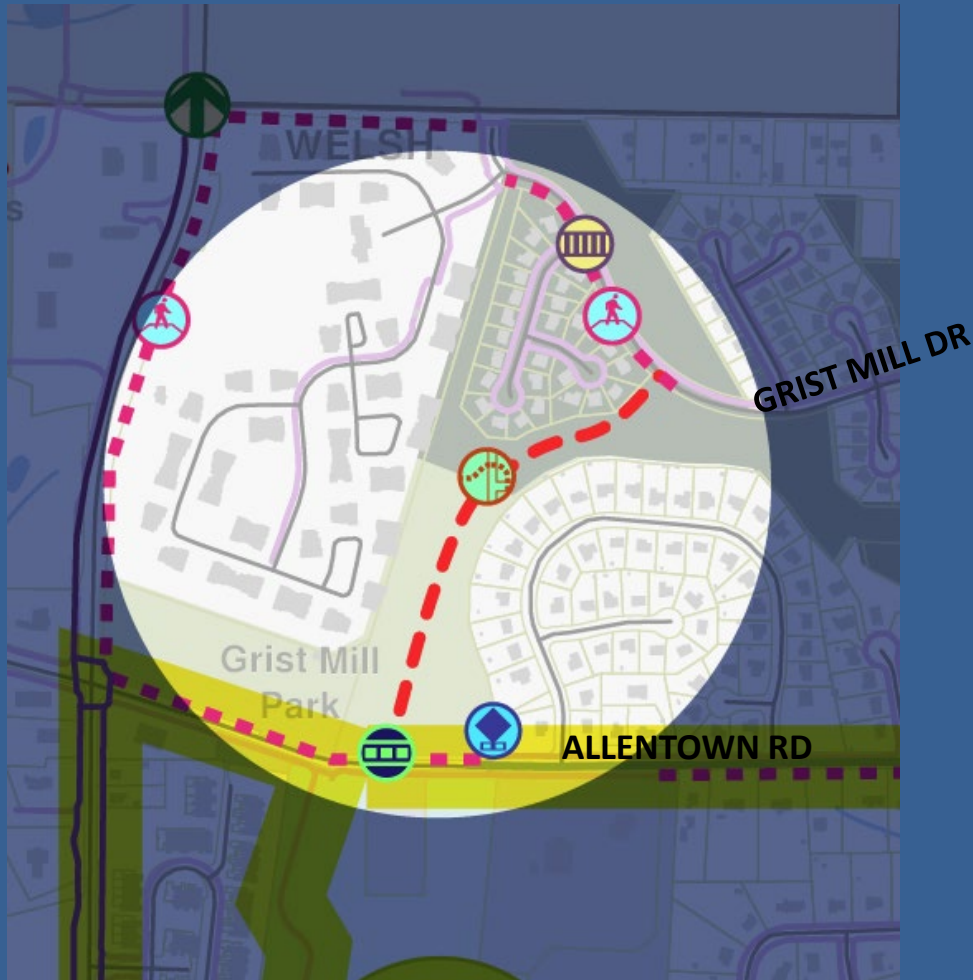
Park Connection Route

- Connects all Township parks and open space and the Evansburg State Park
- Connects to the future Kriebel Road Trail
- Utilizes existing infrastructure:
 - All improvements along ex. Roadways
 - Road Closures
- Proposes new routes:
 - Trail through Bustard Park and Green Lane Park
 - Trail through Towamencin Tree Farm
 - Side path along Evansburg State Park



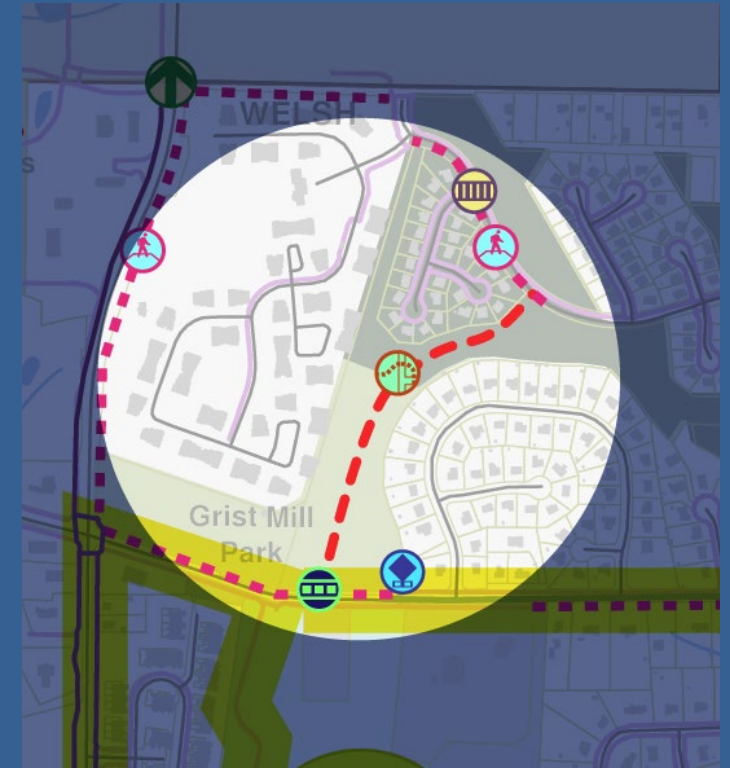
A Closer Look...

Grist Mill Park



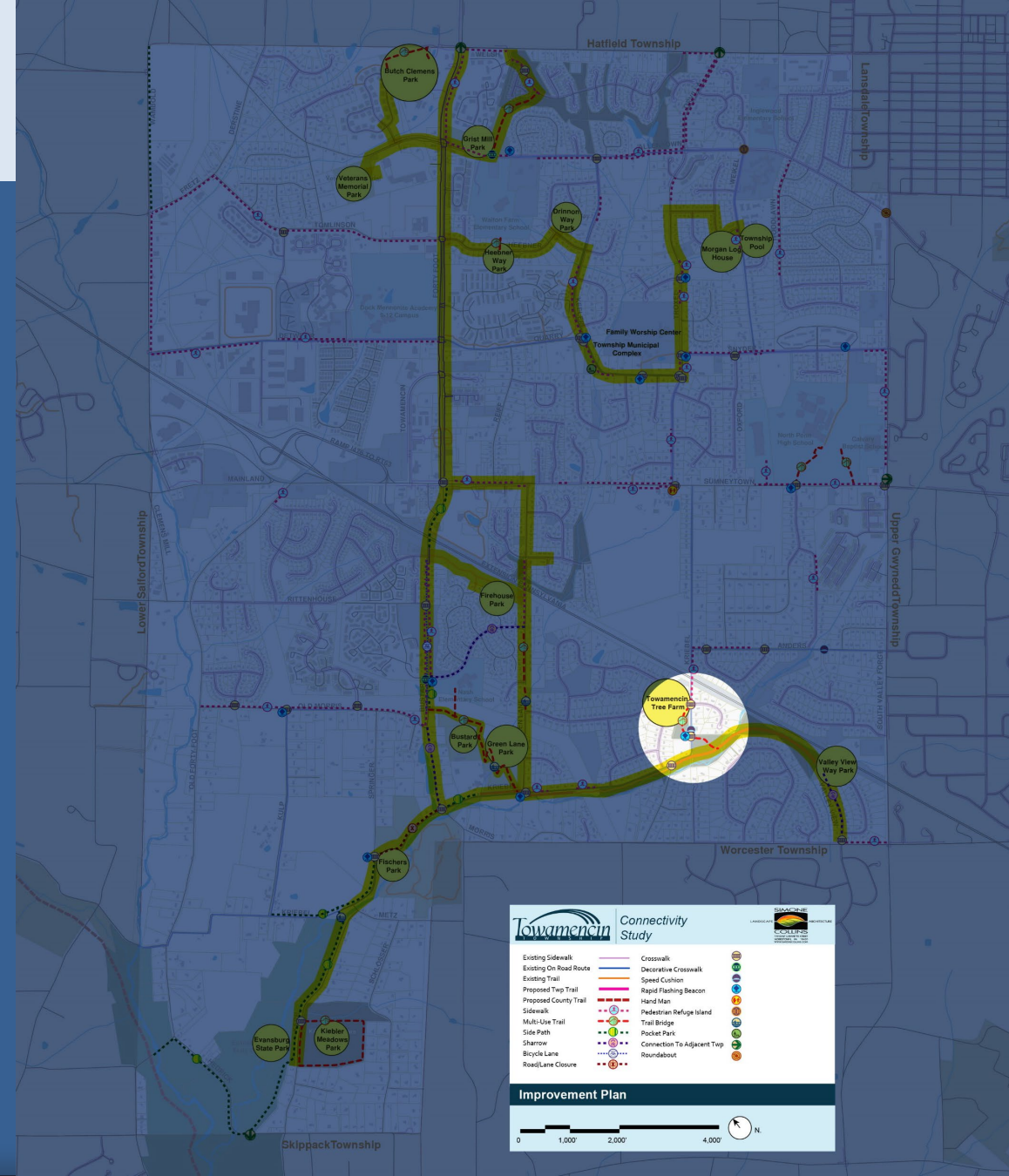
A Closer Look...

Grist Mill Park



A Closer Look...

Towamencin Township Tree Farm



A Closer Look...

Towamencin Township Tree Farm



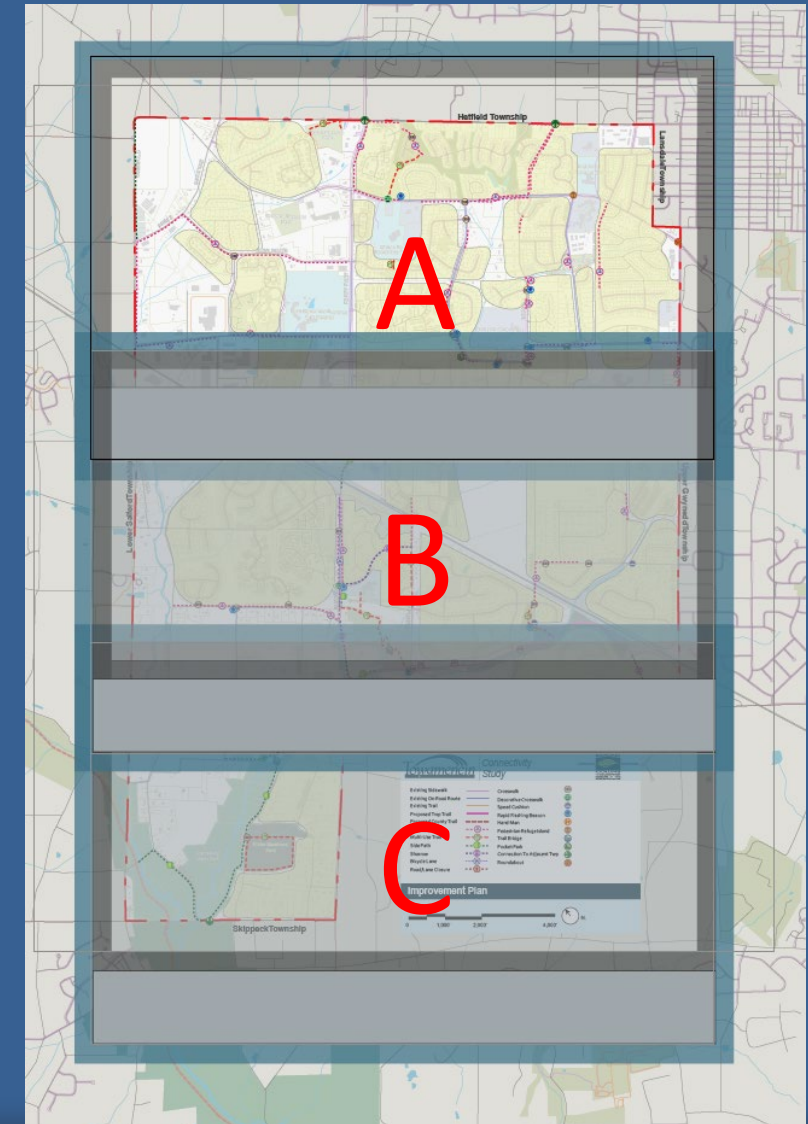
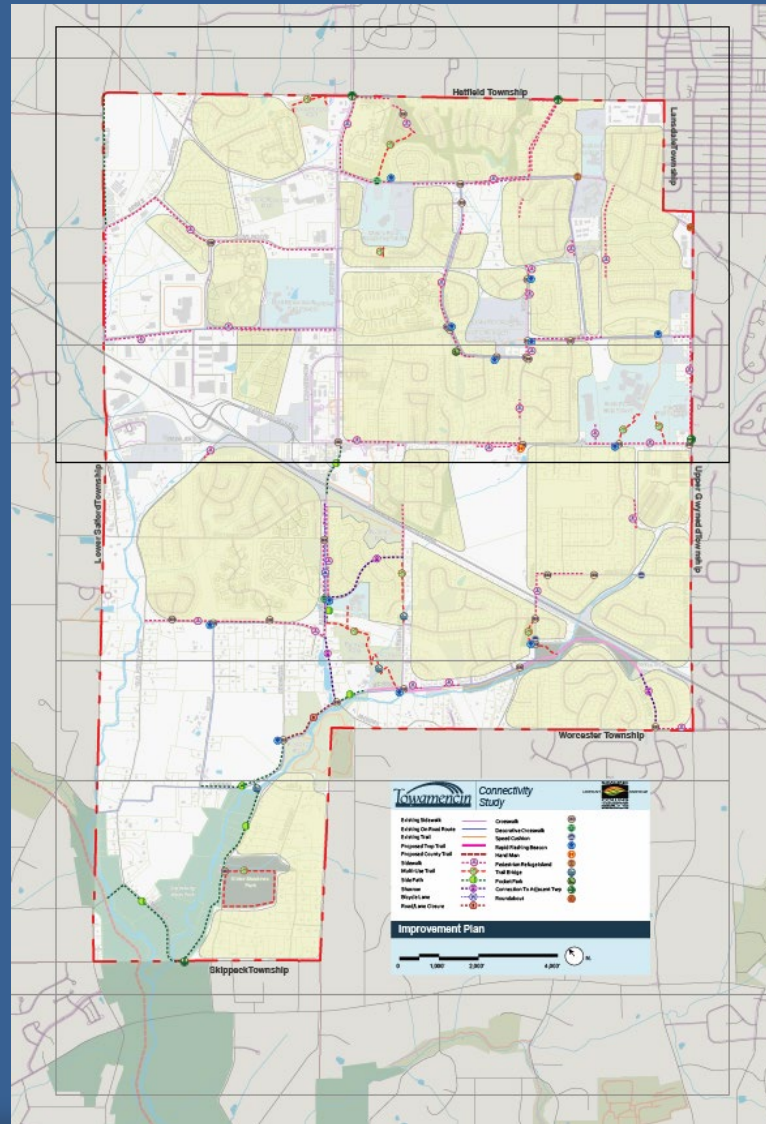


Preliminary Cost Estimate



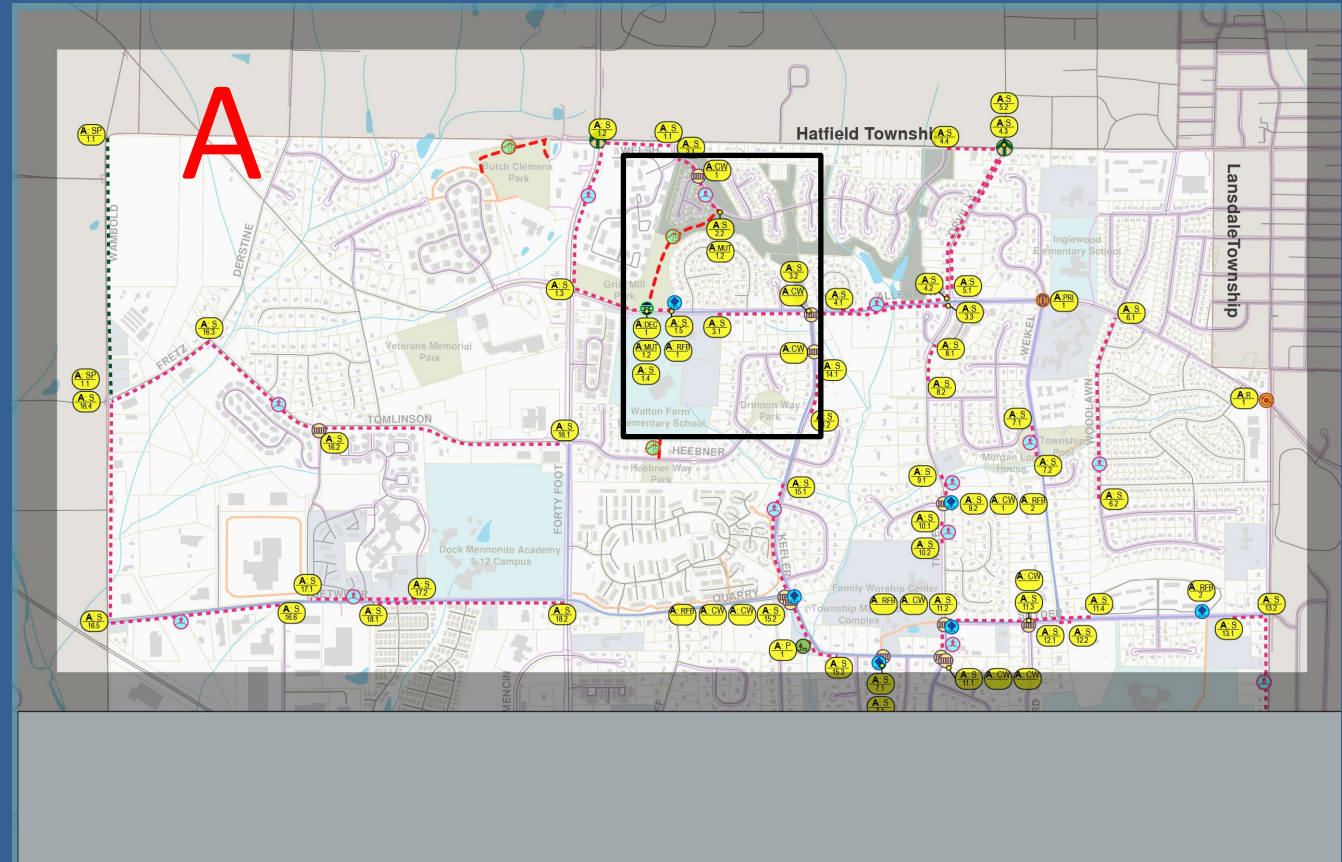
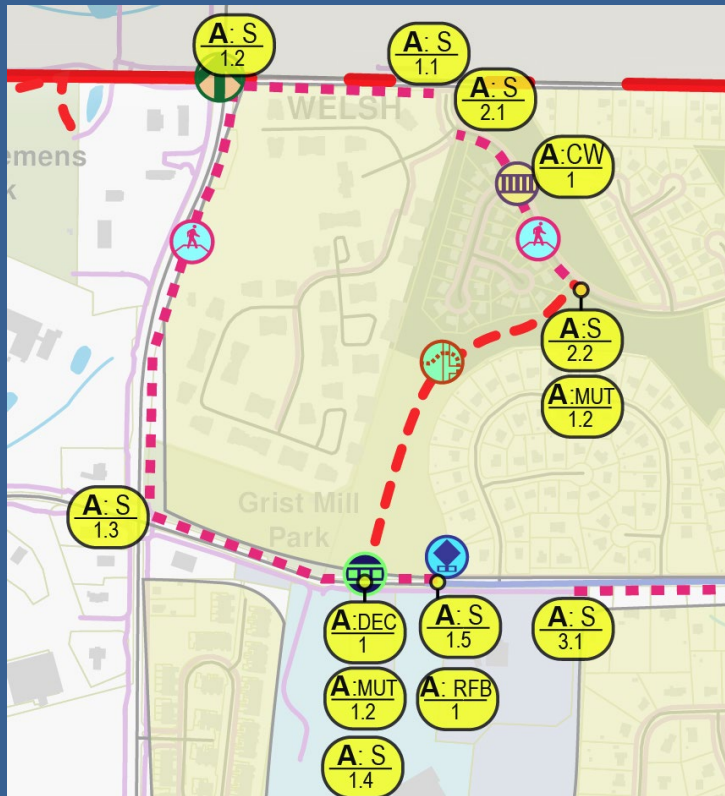
Preliminary Cost Estimate

- Improvement map will be separated into three sheets
- Listed A, B, C



Preliminary Cost Estimate

- Improvements labeled on each sheet
- **BOLD YELLOW** Callouts with Black text for improvement description



Preliminary Cost Estimate

Examples

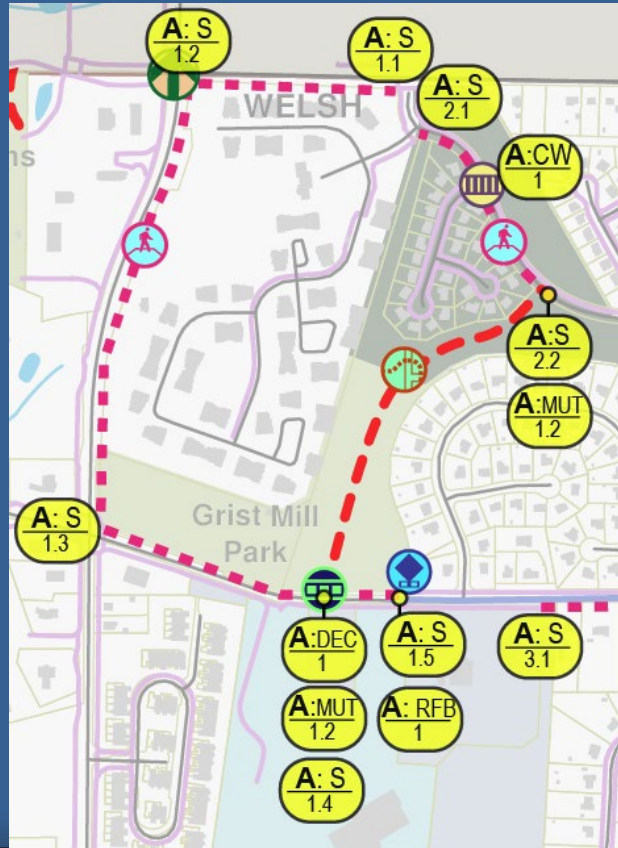
S= Sidewalk

CW = Crosswalk

DEC = Decorative Crosswalk

MUT = Multi Use Trail

RFB = Rapid Flashing Beacon



Towamencin Connectivity Study - Costs and Priorities

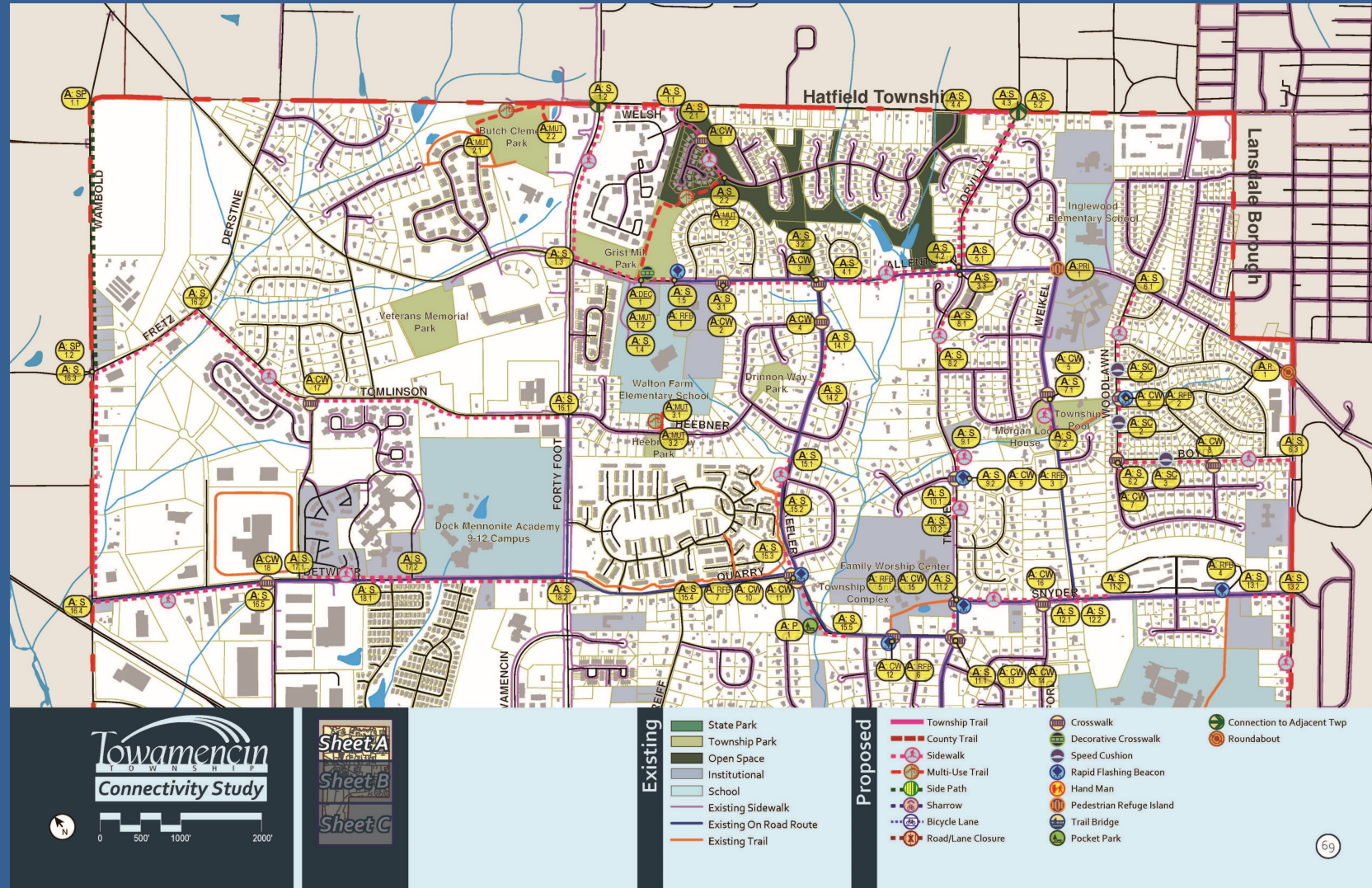
| Improvement Map A - Reference Page: X | | | | | | | | |
|---------------------------------------|----------------|------------------|---|--------------------|------|----------|-----------|--------------|
| Improvement Type | Segment Label | Street Name | Description | Estimated Quantity | Unit | Priority | Unit Cost | Total Cost |
| Sidewalk (Pg XXX) | S | | | | LF | | \$ 14.60 | |
| | A: S1.1 - S1.2 | Welsh Road | South Side of Welsh Road from Grist Mill Drive to Forty Foot Road | 900 | LF | | \$ 14.60 | \$ 13,140.00 |
| | A: S1.2 - S1.3 | Forty Foot Road | East side of Forty Foot Road Between Welsh Road and Allentown Road | 1,900 | LF | | \$ 14.60 | \$ 27,740.00 |
| | A: S1.3 - S1.4 | Allentown Road | North Side of Allentown Between Forty Foot Road and Walton Farm Elementary School | 750 | LF | | \$ 14.60 | \$ 10,950.00 |
| | A: S1.4 - S1.5 | Allentown Road | From Walton Farm Elementary School to End of sidewalk gap | 600 | | | \$ 14.60 | \$ 8,760.00 |
| | A: S2.1 - S2.2 | Grist Mill Drive | South side of road from Jacobs Hall Lane to proposed Grist Mill Park Trail | 950 | | | \$ 14.60 | \$ 13,870.00 |

Add footer

Preliminary Cost Estimate

Sheet A: \$2,027,669

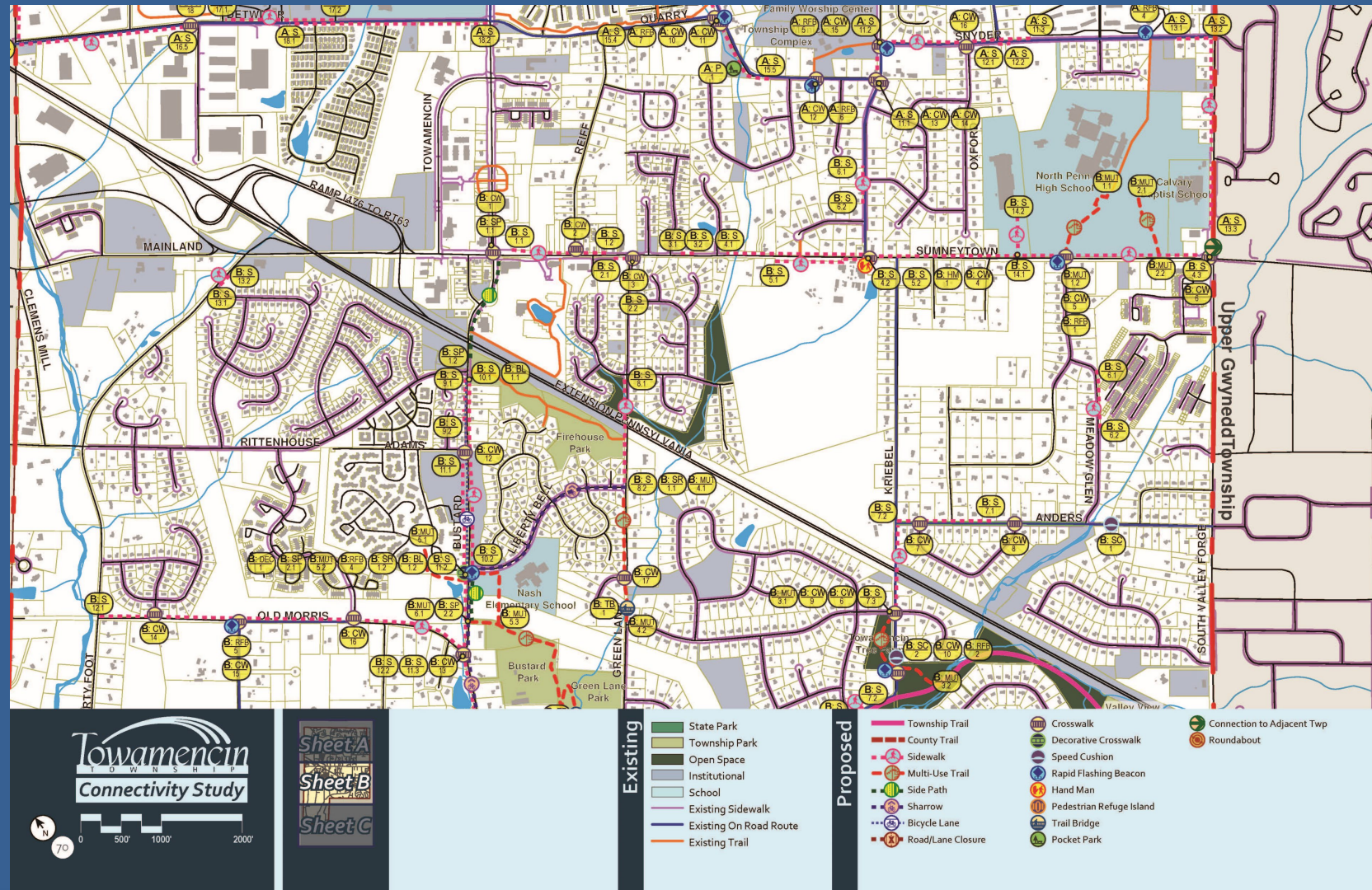
- Sidewalks: \$618,529
- All Other Improvements: 1,409,140



Preliminary Cost Estimate

Sheet B: \$1,598,714

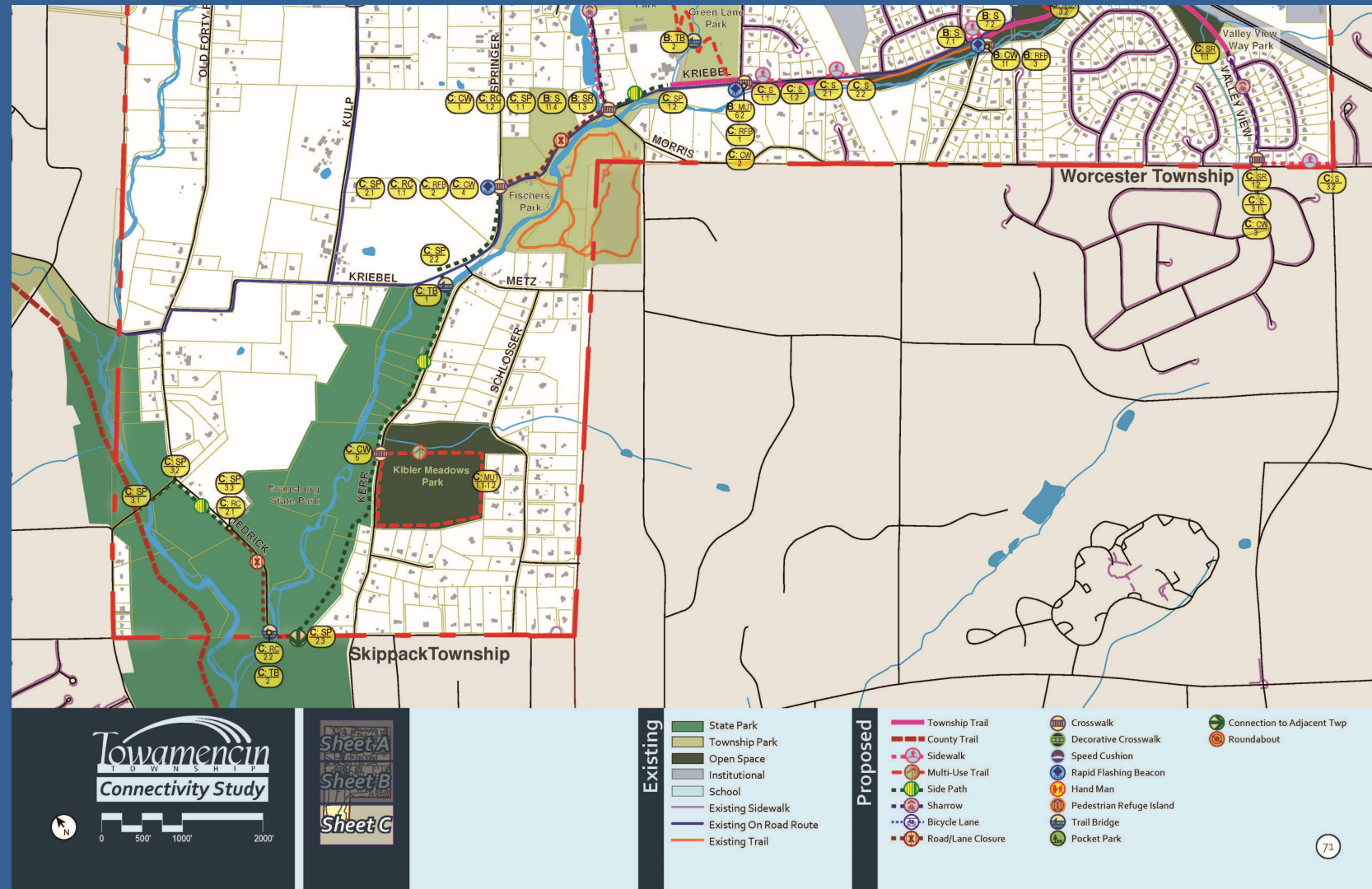
- Sidewalks: \$343,684
- All Other Improvements: \$1,255,030



Preliminary Cost Estimate

Sheet C: \$1,605,330

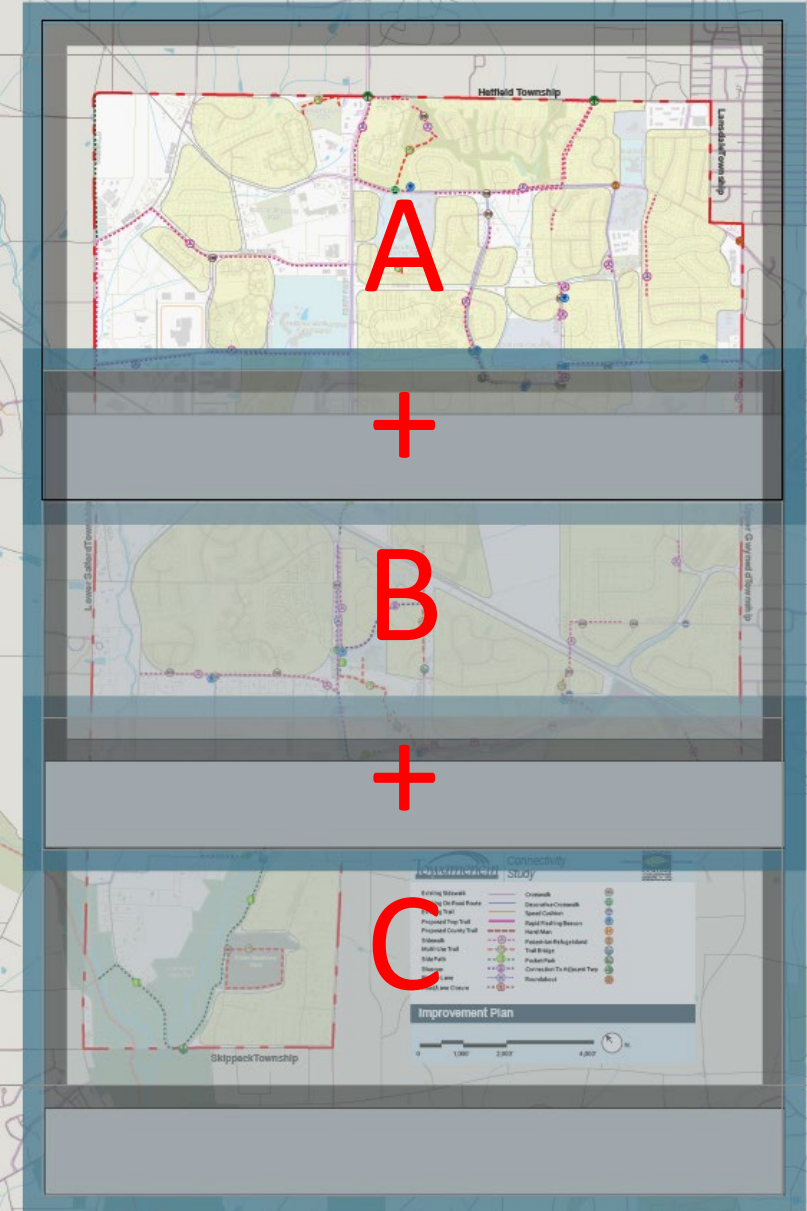
- Sidewalks: \$12,410
- All Other Improvements: \$ 1,592,920



Preliminary Cost Estimate

Towamencin Connectivity Study Summary

| | | |
|---|-----------|------------------|
| Total Proposed Site Improvements | \$ | 5,231,713 |
| Mobilization, E&S, Stormwater Allowances (7%) | \$ | 366,400 |
| Construction Contingency (10%) | \$ | 523,200 |
| Design & Engineering (15%) | \$ | 784,800 |
| Total Estimated Project Costs | \$ | 6,906,200 |



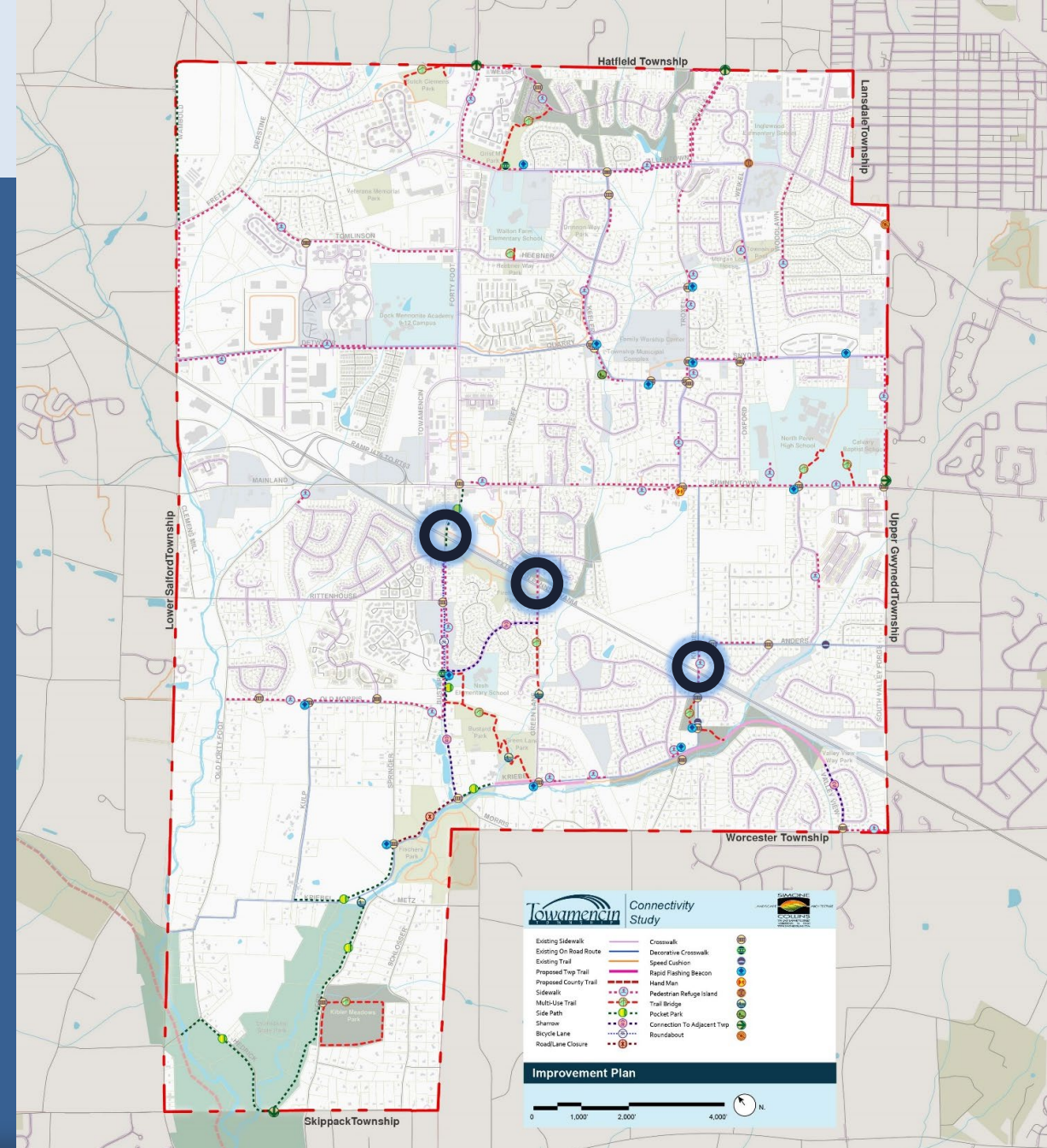


Draft Priorities



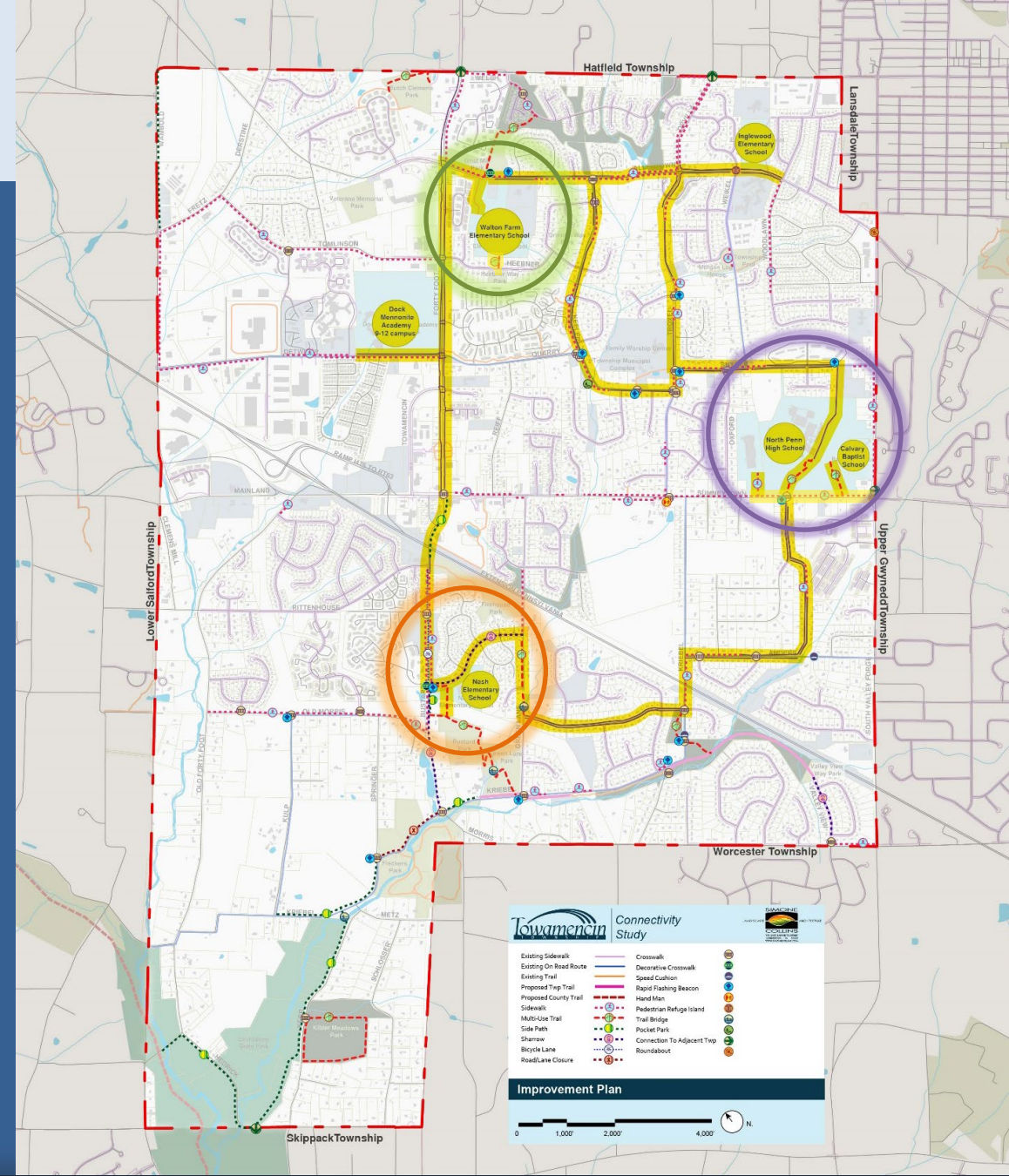
Draft Priorities

1. Improvements across bridges/ I-476
 - Overlaps with all “Route Concepts”



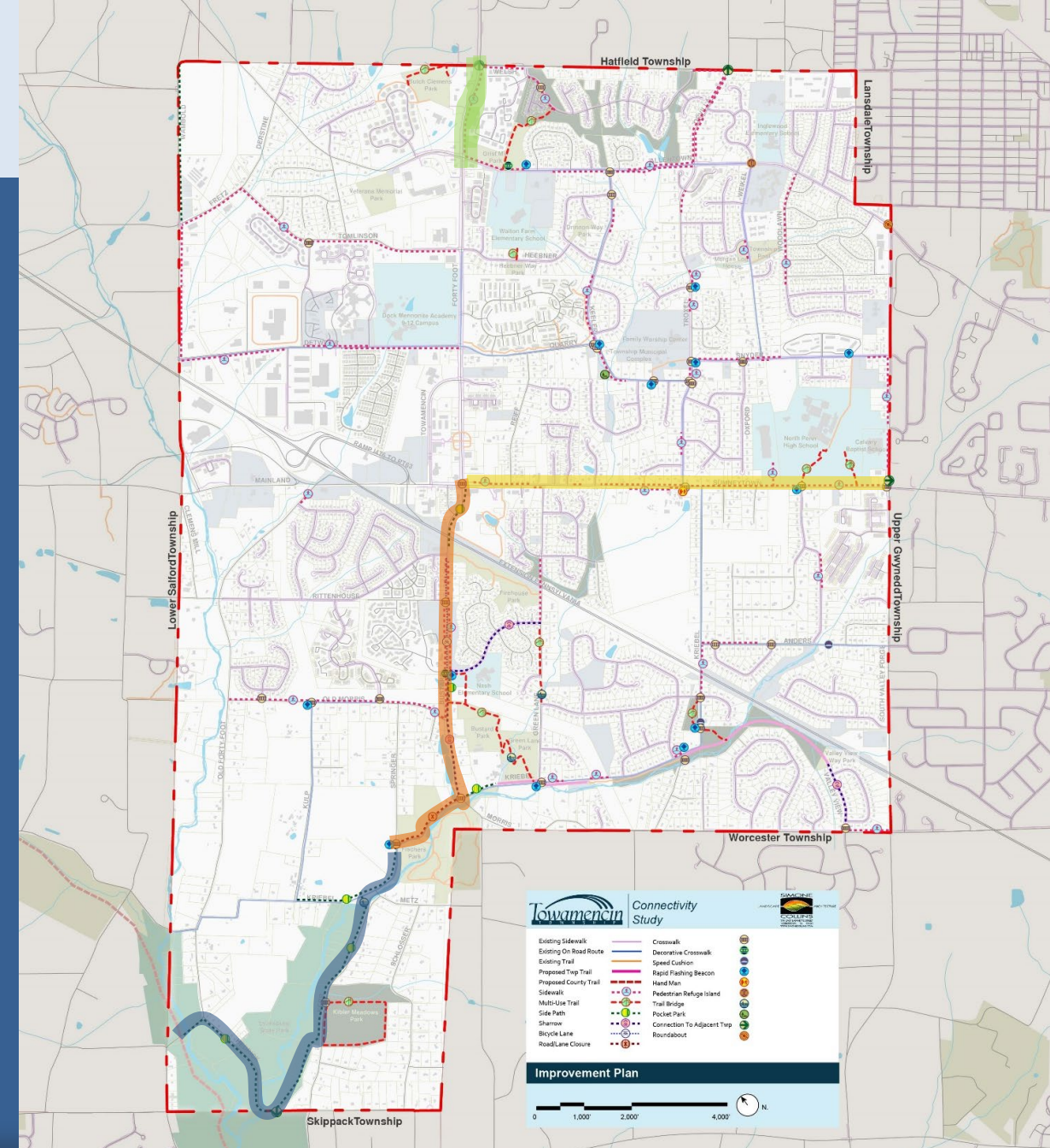
Draft Priorities

1. Improvements across bridges/ I-476
2. Improvements along 'School Routes'
 - North Penn High School
 - Sumneytown Pike
 - Snyder Road
 - Dedicated
 - Nash Elementary
 - Bustard Road
 - Green Lane Road
 - Walton Farm Elementary
 - Allentown Road
 - Dedicated side paths to building



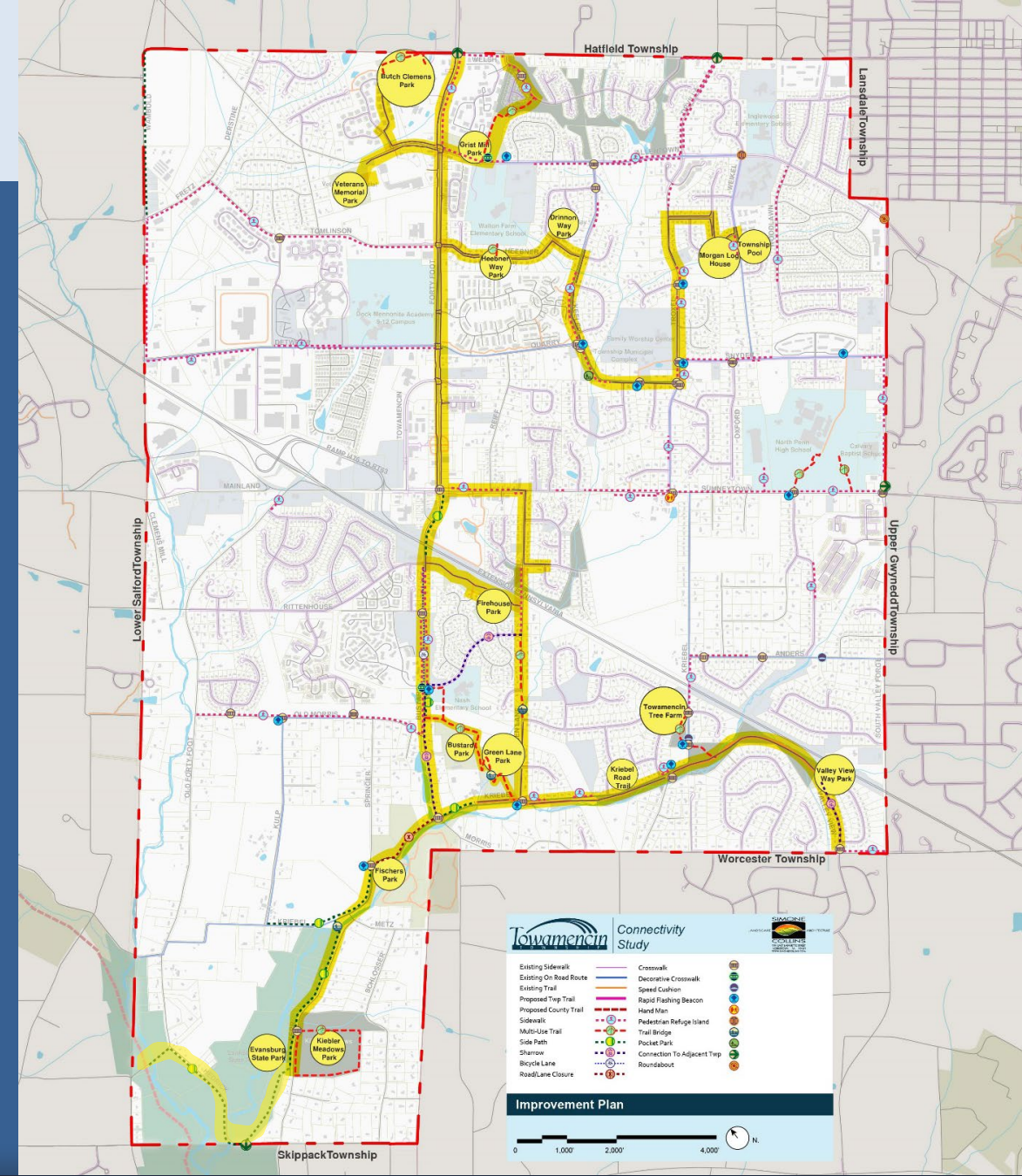
Draft Priorities

1. Improvements across bridges/ 476
2. Improvements along 'School Routes'
 - North Penn High School
 - Nash Elementary
 - Walton Farm
3. Improvements along 'Collector Routes'
 - **Bustard Road Corridor**
 - Evansburg State Park Corridor
 - **Sumneytown Pike Corridor**
 - **Forty-foot Road Corridor**



Draft Priorities

1. Improvements across bridges/ 476
2. Improvements along 'School Routes'
 - North Penn High School
 - Nash Elementary
 - Walton Farm
3. Improvements along 'Collector Routes' (3 different color corridors)
 - Bustard Road Corridor
 - Sumneytown Pike Corridor
 - Evansburg State Park Corridor
4. Improvements along 'Park Routes'
 - Add to existing infrastructure
 - Bike lanes, sharrows, crosswalks, road closures, rapid flashing beacon
 - New construction
 - Trails, sidewalks, side paths





Funding



Funding

Multiple sources possible

- DCNR (off-road)
- DCED – Greenways, Trails & Recreation Program
- DCED – Multimodal (MTF)
- PennDOT – Multimodal (MTF)
- PennDOT – Transportation Alternatives Set Aside Program
- Redevelopment Assistance Capital Program (RACP)
- Bipartisan Infrastructure Law (BIL)
 - Safe streets and roads for all (SS4A)
 - Reconnecting Communities Pilot (RCP)



Next Steps



Next Steps

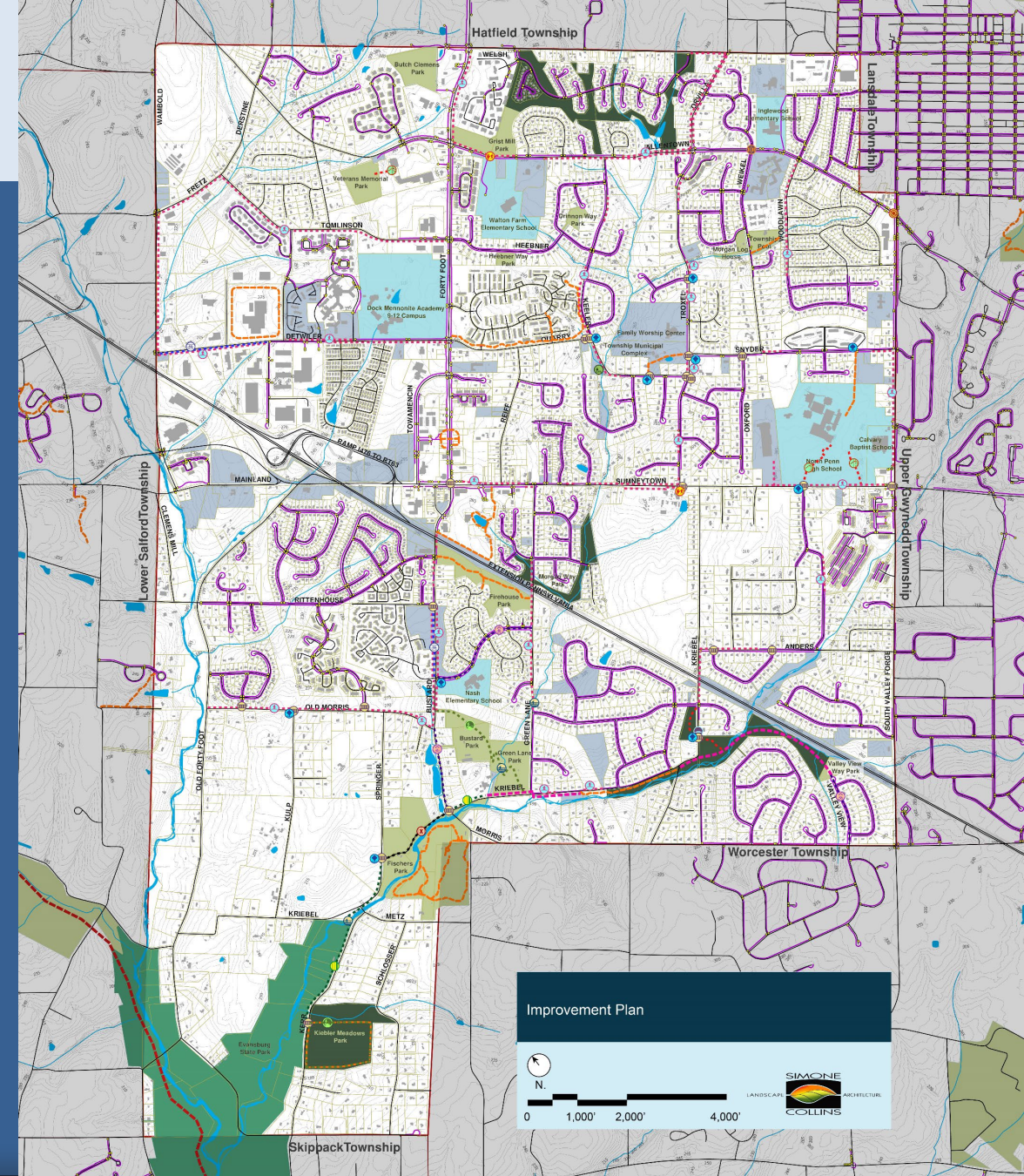
- **Review the Draft Plan**
 - Posted on Township Website
 - Available: Monday, April 24th
 - Last Day to comment: Monday, May 29th
 - Contact SC with comments
- **Next Public Meeting: June 22nd, 2023**
 - Review Final Report
 - Review Final Cost Estimate
 - Review Priorities
 - Review Funding Opportunities

Towamencin Connectivity Study – Project Schedule

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Public Review Period

- This plan is subject to change based on input from the public and the Township Officials.
- Please visit the Township Website to review the Draft Report in detail:
<https://www.towamencin.org/resources/sidewalk-trail-connectivity-study/>
- Please email the Simone Collins team with any questions or comments you may have about the Draft Report.



Project Consultants

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Bryce Brucker

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Geoff Creary

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NO
PARKING
BETWEEN
SIGNS