




Daniel P. McCoy
Albany County Executive

ALBANY COUNTY
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Watervliet Shaker Road (CR 157) Highway Improvement Project Phase III Public Information Meeting



Engineering and
Land Surveying, P.C.

NOVEMBER 10, 2021

6:30 PM

Introductions

Project Sponsor **Albany County**

Lisa Ramundo, P.E., Commissioner of Public Works

Bill Anslow, Sr. Engineer, Dept. of Public Works

Jim Mearkle, P.E., Traffic Engineer, Dept. of Public Works

Consultant **MJ Engineering & Land Surveying, P.C.**

Brian Cooper, P.E., Project Manager

Lisa Wallin, P.E., Sr. Transportation Engineer

Chad Schneider, P.E., Traffic Engineer

Andris Blumbergs, Planner

Meeting Agenda

- Zoom Webinar “How to”
- Purpose of Meeting
- Review Project Limits, Objectives, Status
- Summary of Public Meeting #1
- Design updates
- Selected Alternative
- Project Schedule & Next Steps



Following
Presentation

Zoom Webinar “How To”

We will address questions at the end of the presentation:

- To post a question, utilize the “Q & A” function in your Zoom Webinar panel
- Use the “Raise Hand” feature
 - If on a telephone, use *9 to Raise hand and *6 to mute/unmute

Following the webinar, written comments can be submitted to:

AlbanyCountyWSR@gmail.com

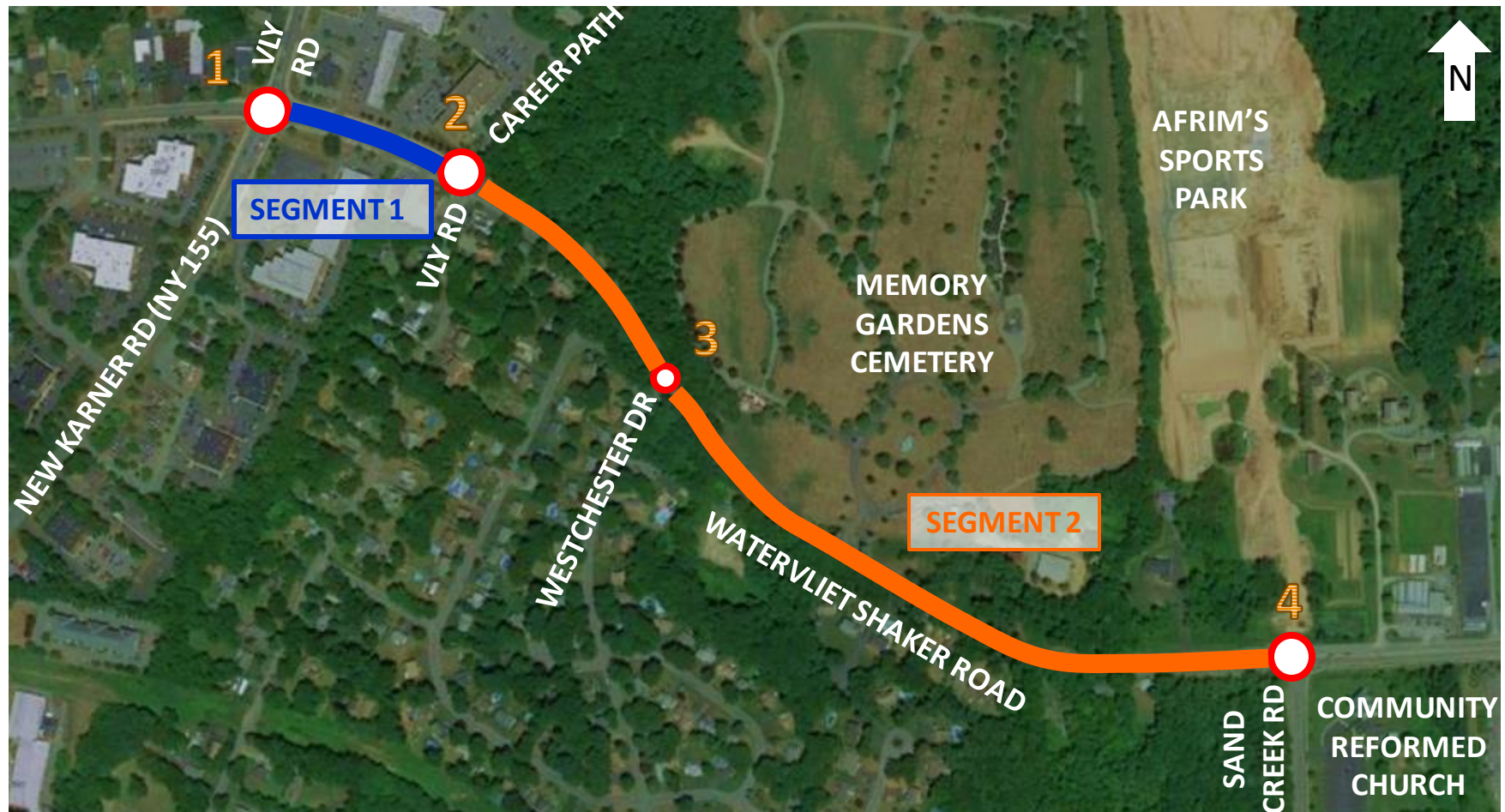
A recording of the webinar will be posted on the County website at:

www.albanycounty.com/dpw

Purpose of Meeting

- Provide a summary of design comments received at Public Meeting No. 1
- Provide design updates based on revisions made as a result of Public Meeting No. 1
- Present the selected alternative
- Solicit additional public input on the selected alternative

Phase III Project Limits



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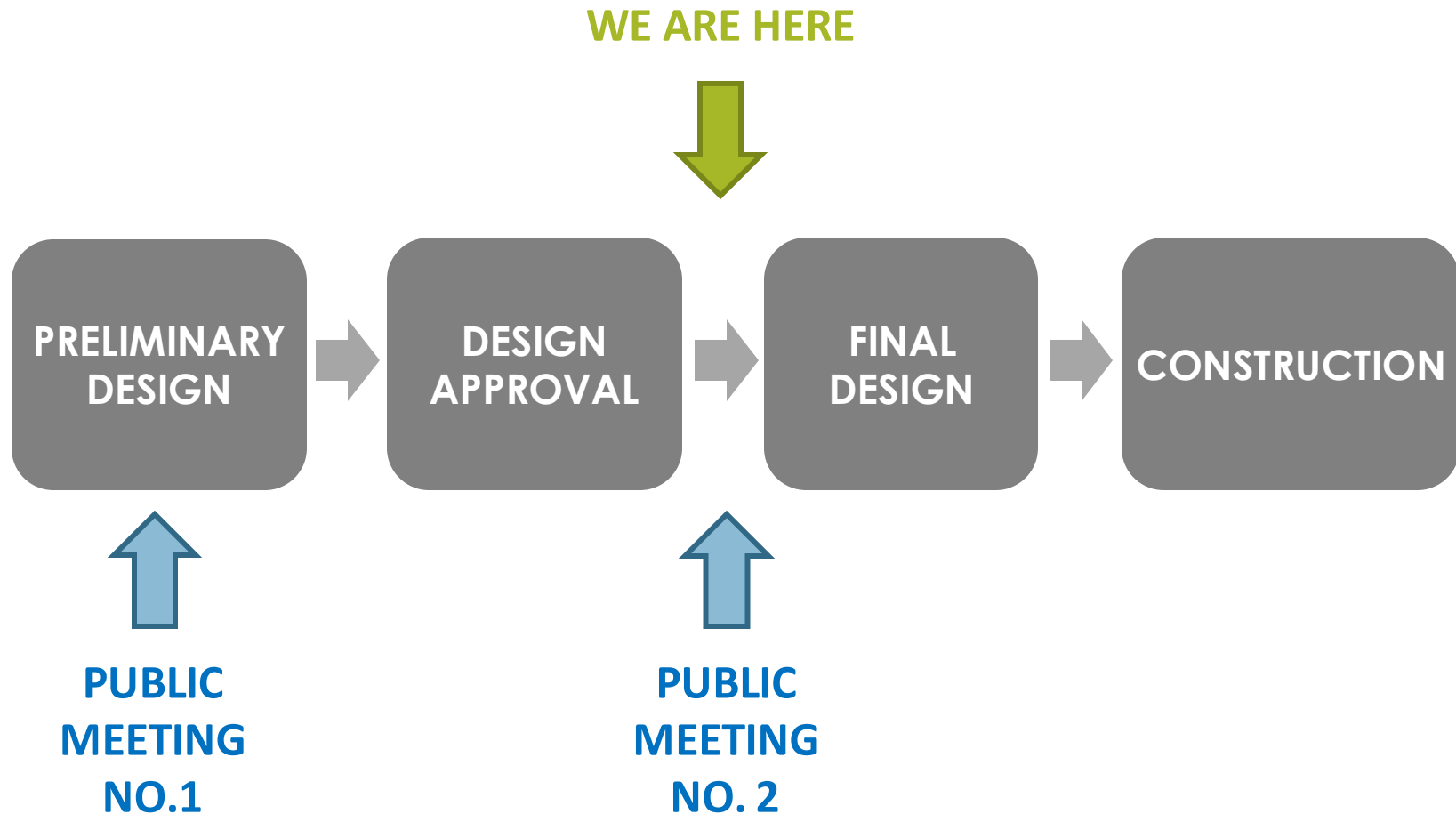
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Project Objectives

1. Improve traffic operations and safety
2. Address pavement conditions
3. Provide safe pedestrian and bicycle facilities
4. Improve stormwater collection and treatment

Project Steps



Alternatives Considered

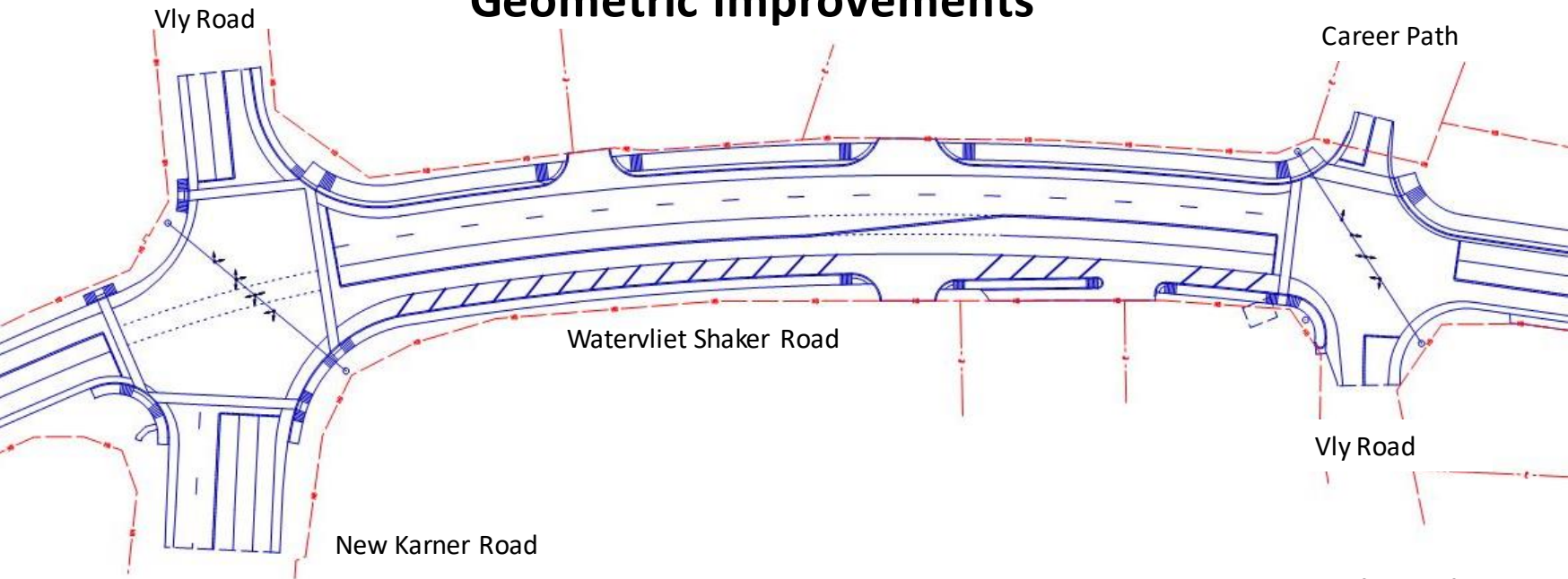
Alternatives presented at Public Meeting No. 1:

Maintenance Alternative	Resurface Roadway (Future Maintenance Only)
Alternative 1A	Signalized Intersection Upgrades
Alternative 1B	Signalized Intersection Upgrades with Geometric Improvements
Alternative 2	Roundabout Intersections

Alternatives Considered

Alternative 1A **Signalized Intersection Upgrades**

Alternative 1B **Signalized Intersection Upgrades with
Geometric Improvements**



**New Karner Road and
Watervliet Shaker Road**

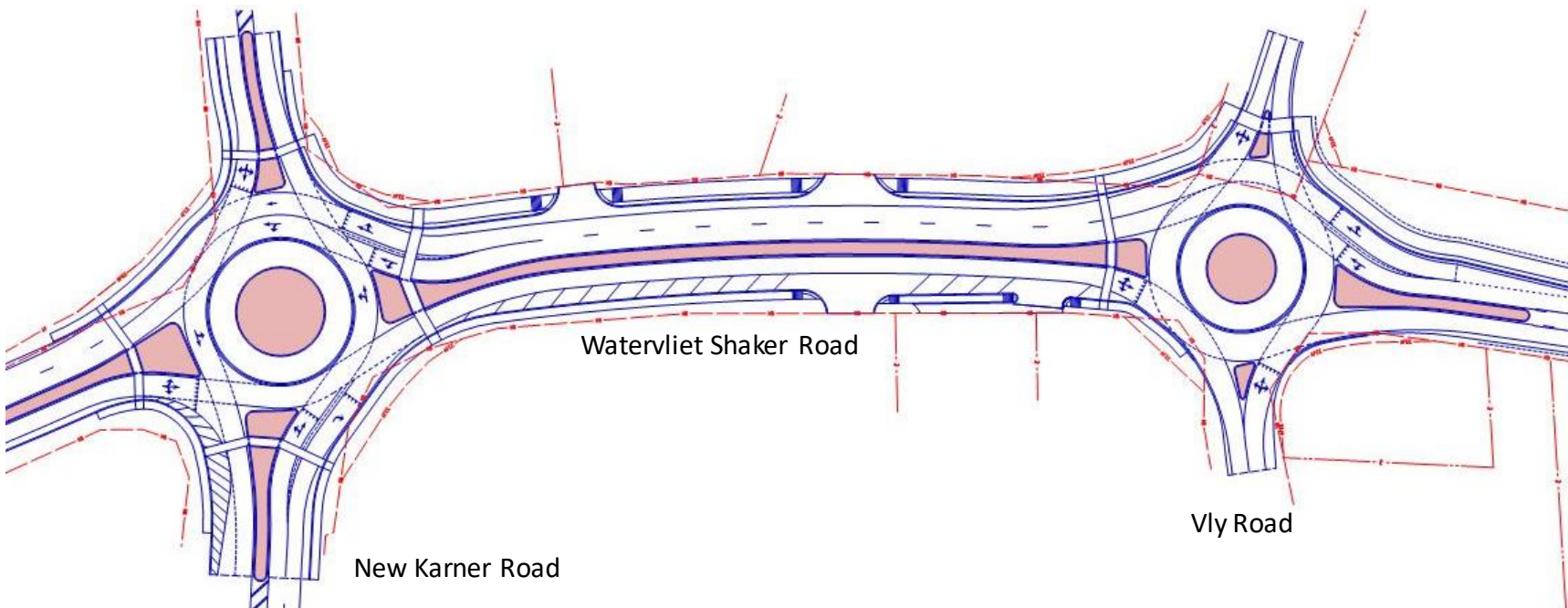
**Career Path and
Watervliet Shaker Road**

Alternatives Considered

Alternative 2 Roundabout Intersections

Vly Road

Career Path



Watervliet Shaker Road

New Karner Road

Vly Road

New Karner Road and
Watervliet Shaker Road

Career Path and
Watervliet Shaker Road

Summary of Public Meeting No. 1

Summary of design related public comments received:

1. Refine traffic analysis for other planned development.
2. Relocate multi-use path to south side of roadway.
3. Reduce lane and shoulder widths, where permitted.
4. Support for the type of intersection improvements at New Karner Rd and Career Path / Vly Rd was split between signal improvements (49%) and roundabouts (51%).

Design Modifications

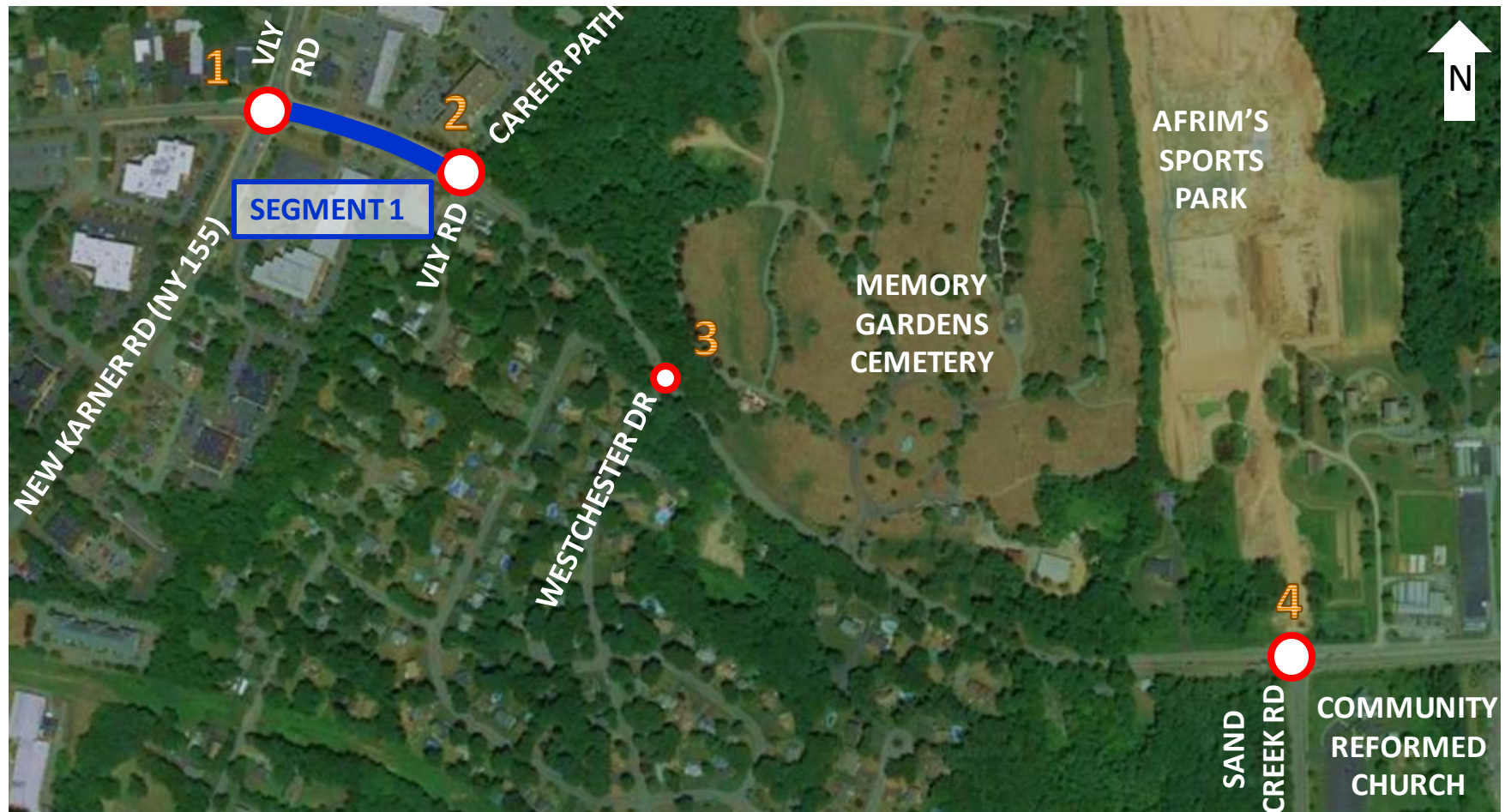
Summary of design modifications as a result of public comments:

1. Revised Design Years – ETC (2025) and ETC+10 (2035)
2. Future Developments - additional planned development traffic added including:
 - Redevelopment of Existing Capital Region BOCES
 - Denison Road Subdivision
 - Remaining developments covered by the corridor growth rate

Design Modifications

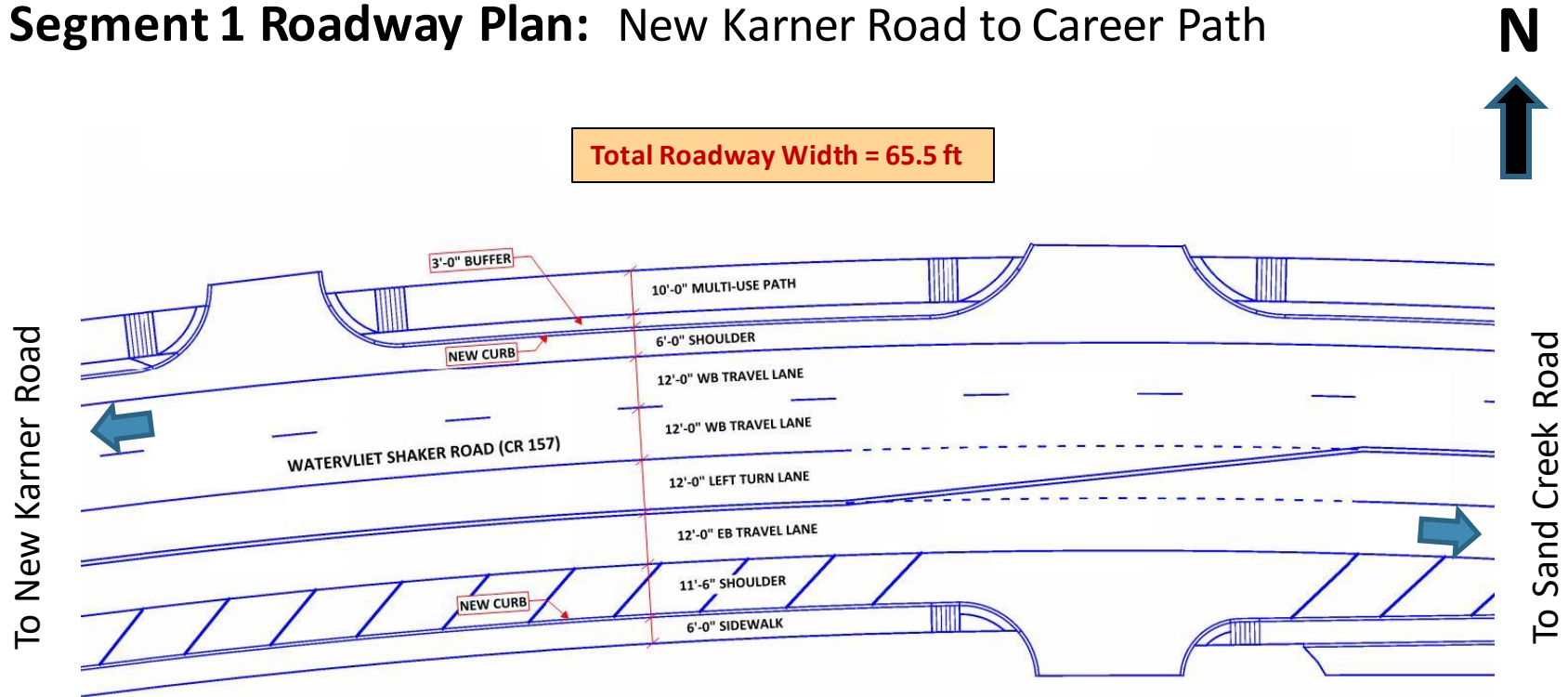
3. Relocated multi-use path to south side of roadway:
 - Multi-use path will connect New Karner Road to Sand Creek Road on the south side of Watervliet Shaker Road
 - As a result, Watervliet Shaker Road centerline shifted north to avoid impacts to private property
4. Reduced lane width through entire corridor from 12 ft to 11 ft
5. Reduced shoulder widths in Segment 1 to from 6 ft to 2 ft

Segment 1



Design Modifications

Segment 1 Roadway Plan: New Karner Road to Career Path



**Design presented at
Public Meeting No. 1**



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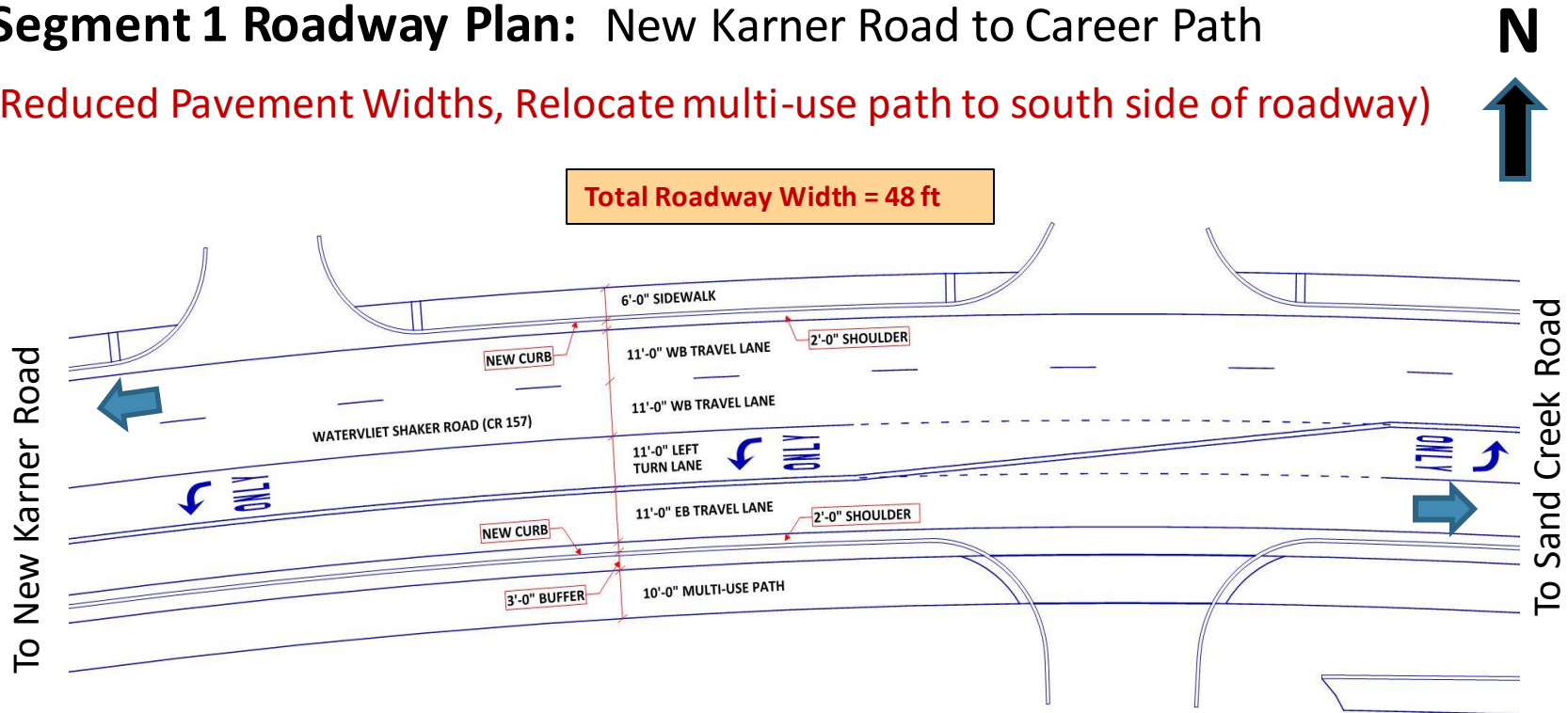
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Design Modifications

Segment 1 Roadway Plan: New Karner Road to Career Path

(Reduced Pavement Widths, Relocate multi-use path to south side of roadway)



**Design Update after
Public Meeting No. 1**



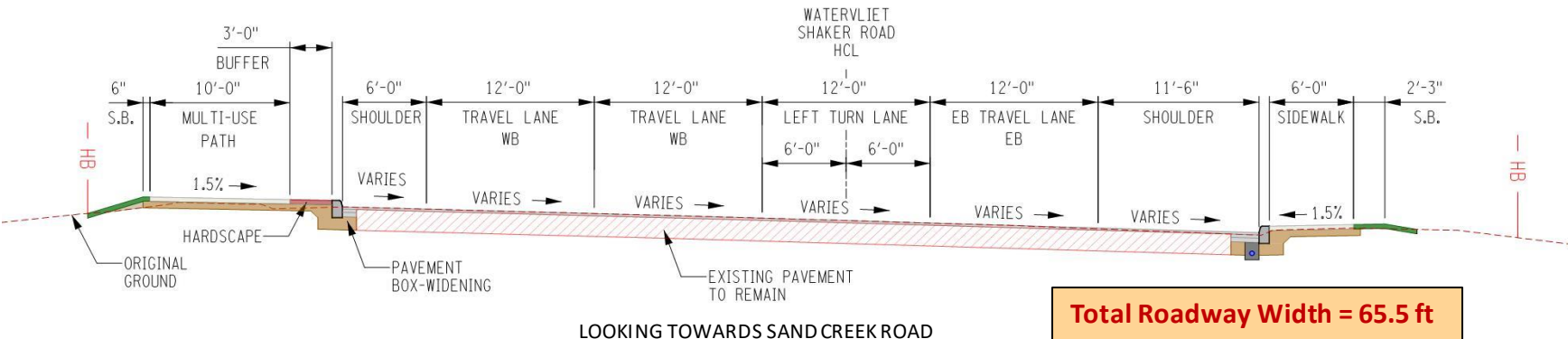
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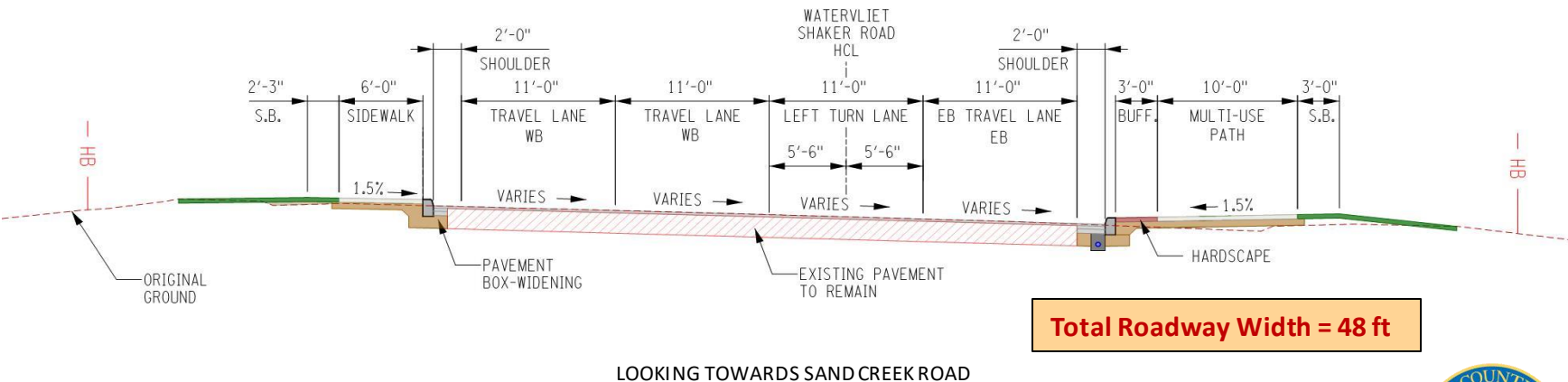


Design Modifications

Segment 1 Roadway Section: New Karner Road to Career Path



Design Presented at PM No. 1 *Watervliet Shaker Road*



Design Update after PM No. 1 *Watervliet Shaker Road*

Design Modifications

Segment 1 Roadway Section: New Karner Road to Career Path

**SHOW STREET MIX SECTION HERE
OF ALT 1B SEGMENT 1 – UPDATED
AFTER PM#1**

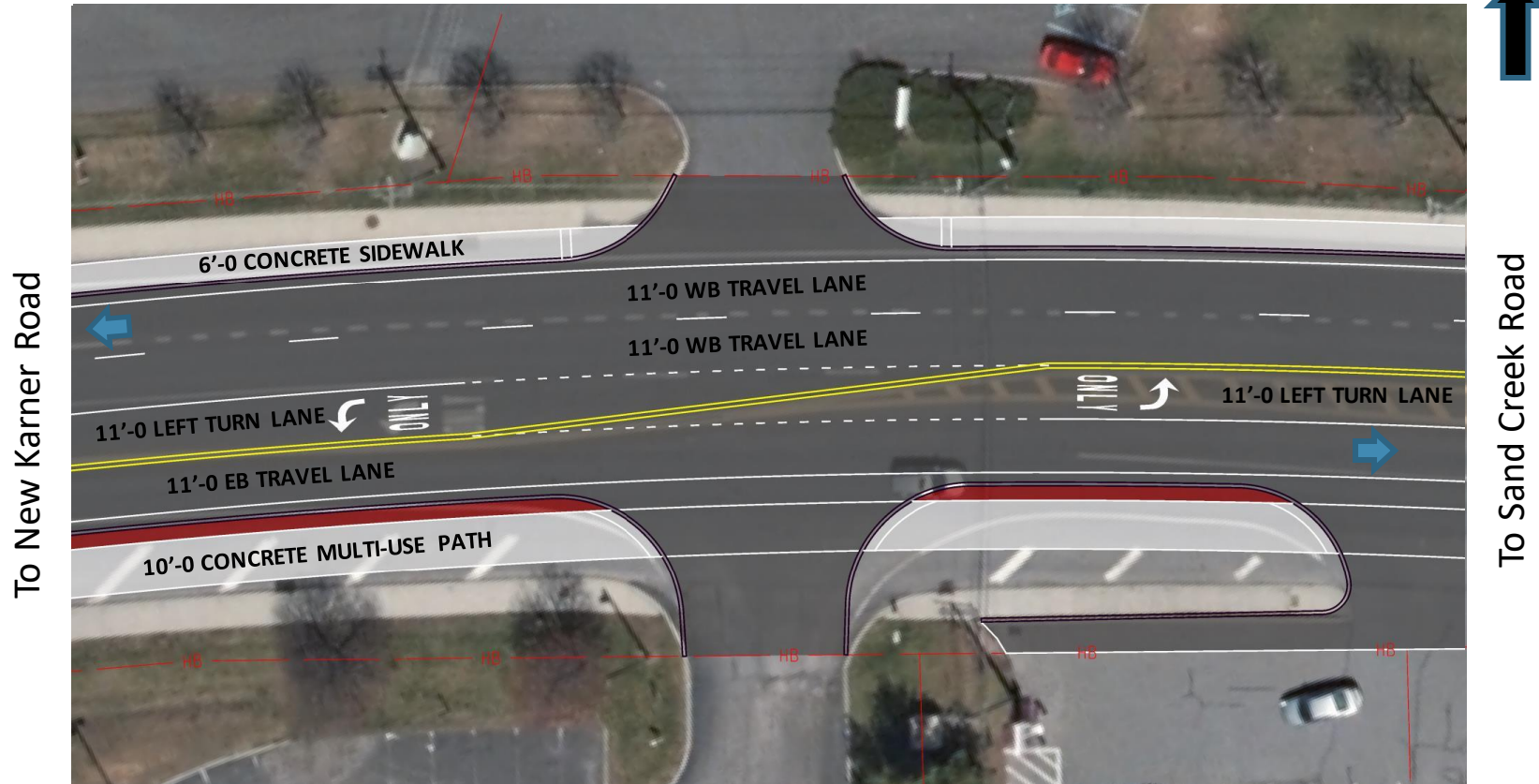
LOOKING TOWARDS SAND CREEK ROAD

Design Update after PM No. 1

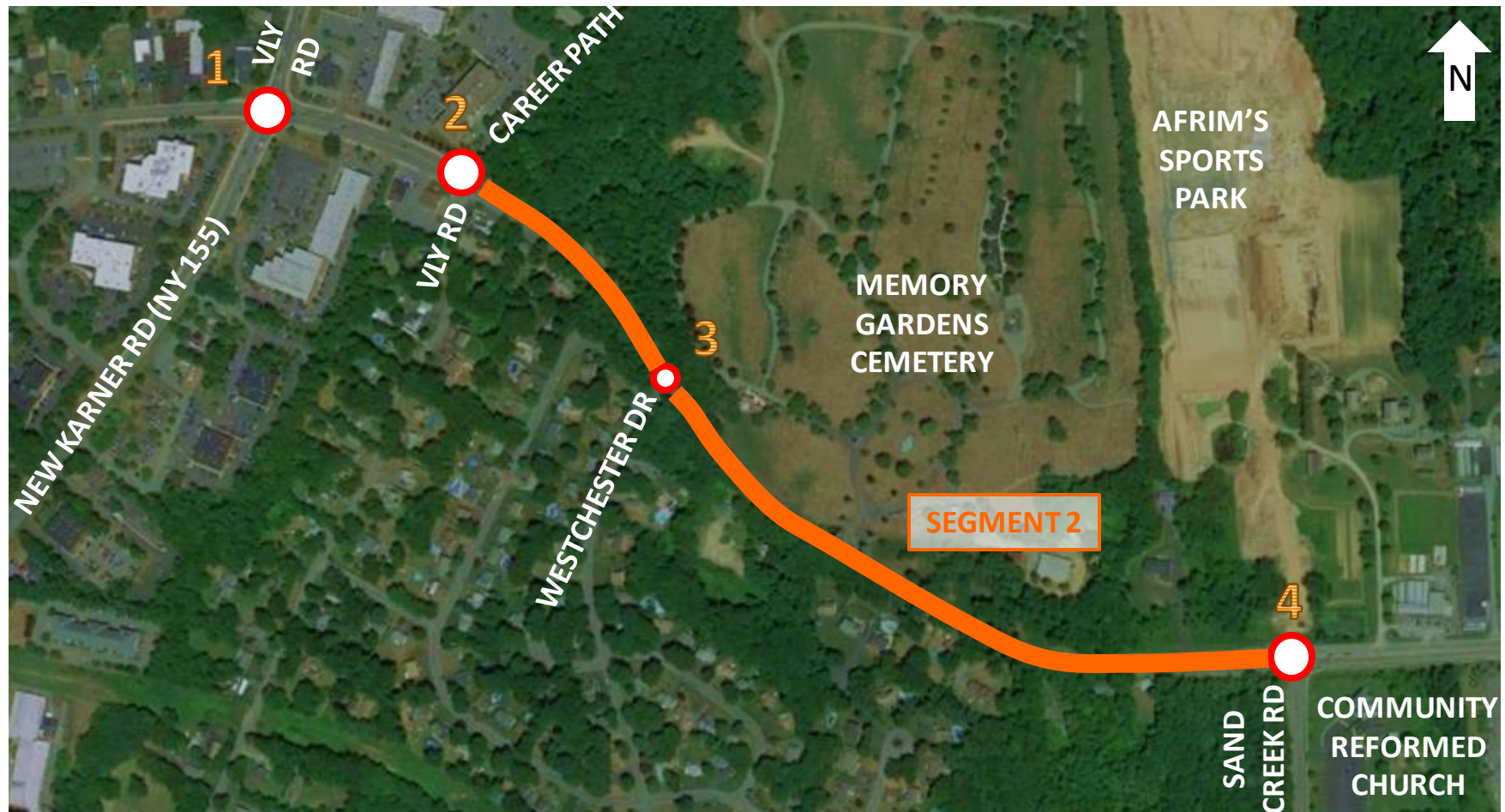
Watervliet Shaker Road

Design Modifications

Segment 1 Roadway Plan: New Karner Road to Career Path



Segment 2



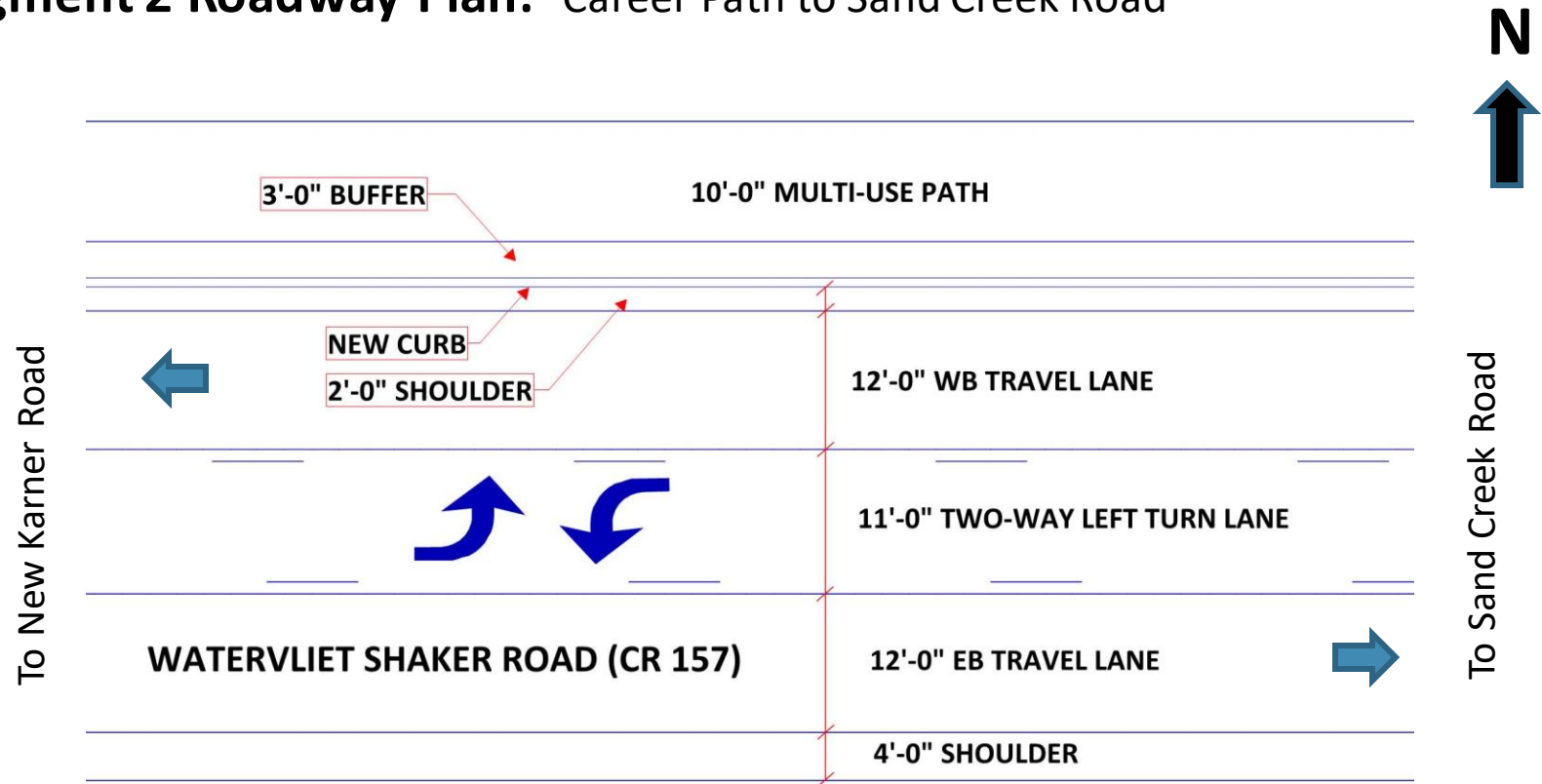
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Design Modifications

Segment 2 Roadway Plan: Career Path to Sand Creek Road

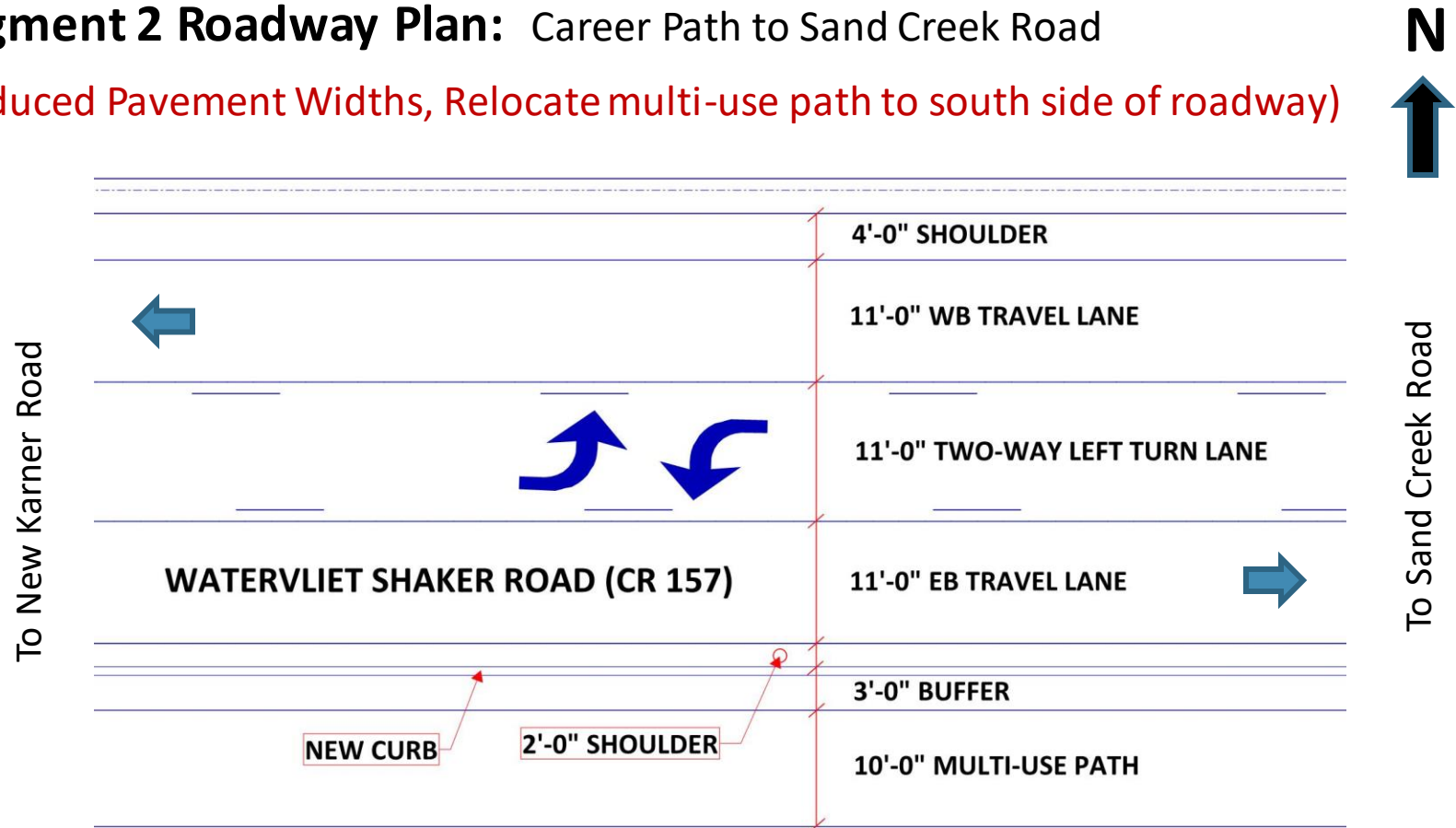


Design presented at
Public Meeting No. 1

Design Modifications

Segment 2 Roadway Plan: Career Path to Sand Creek Road

(Reduced Pavement Widths, Relocate multi-use path to south side of roadway)



**Design Update after
Public Meeting No. 1**



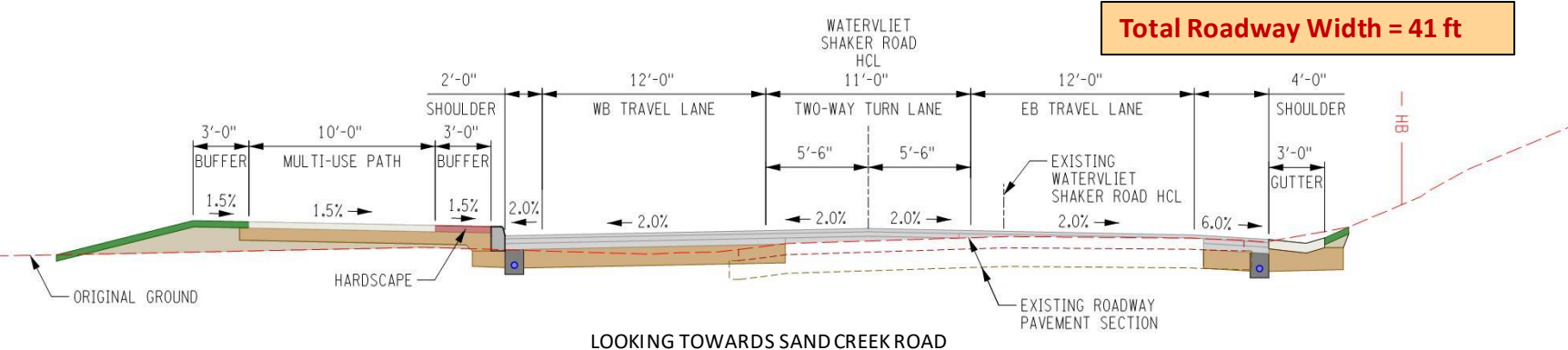
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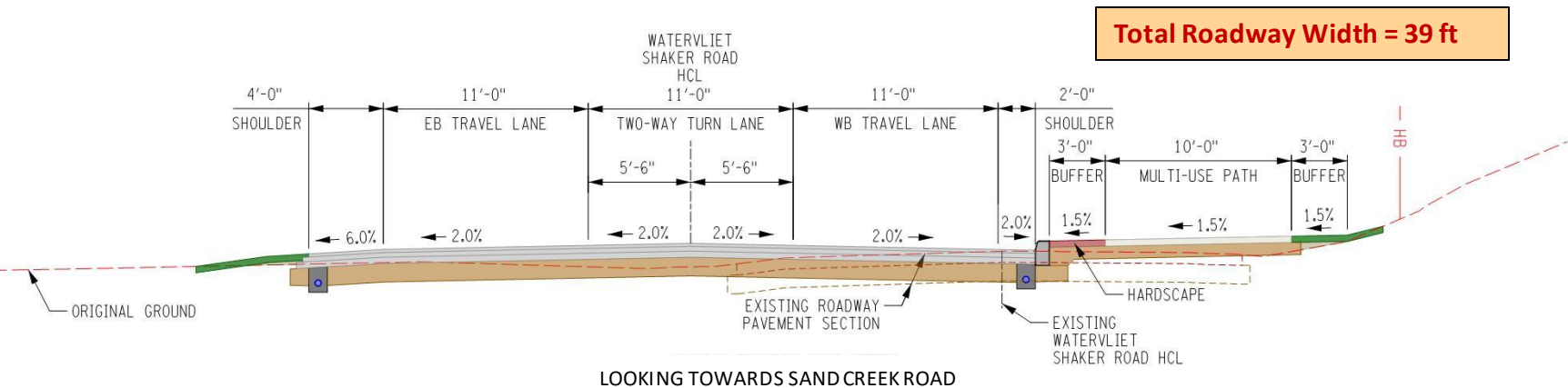


Design Modifications

Segment 2 Roadway Section: Career Path to Sand Creek Road



Design Presented at PM No. 1 *Watervliet Shaker Road*



Design Update after PM No. 1 *Watervliet Shaker Road*

Design Modifications

Segment 2 Roadway Section: New Karner Road to Career Path

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OF ALT 1B SEGMENT 2 – UPDATED
AFTER PM#1**

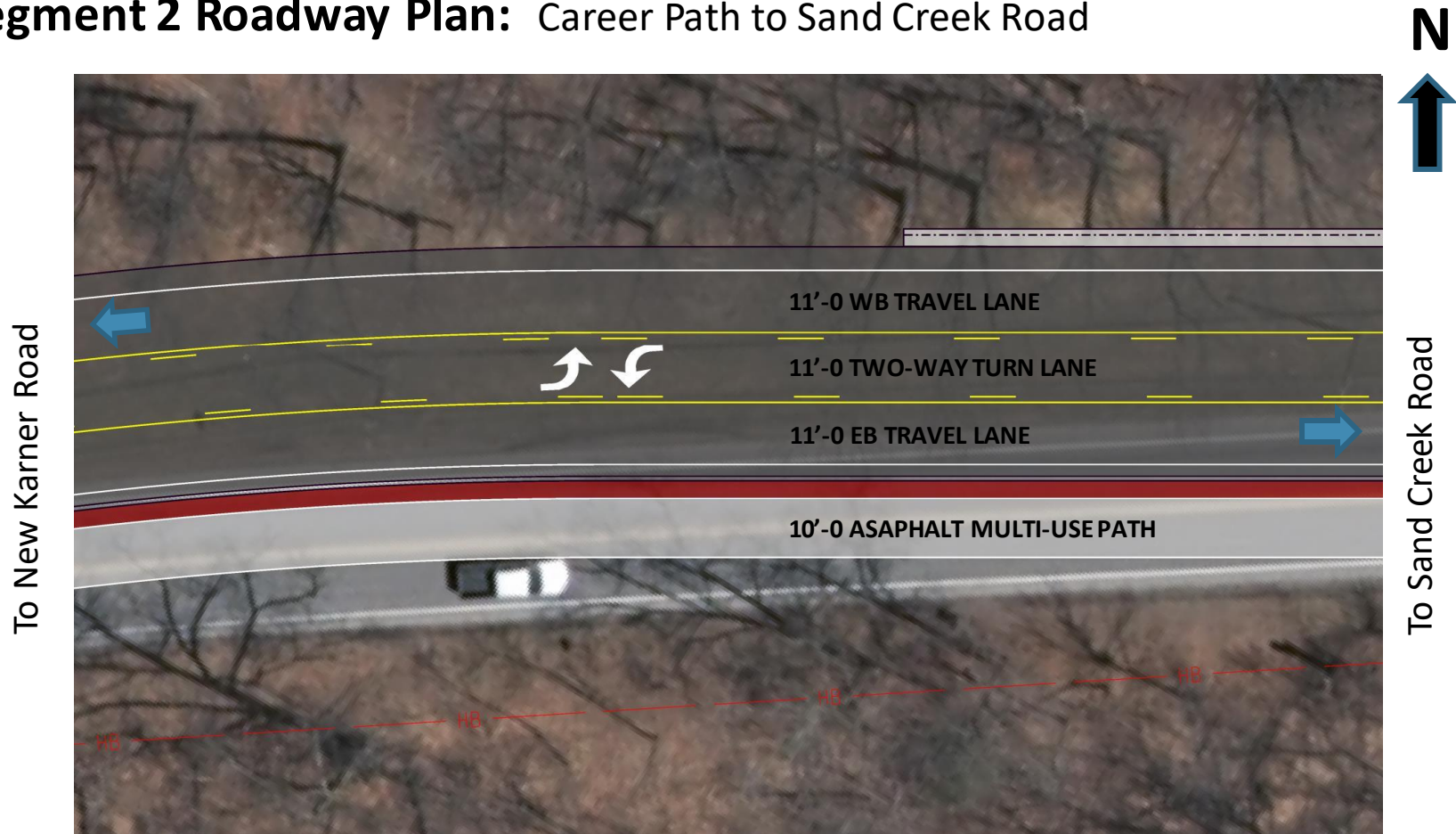
LOOKING TOWARDS SAND CREEK ROAD

Design Update after PM No. 1

Watervliet Shaker Road

Design Modifications

Segment 2 Roadway Plan: Career Path to Sand Creek Road



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Selected Alternative

The following factors were considered when selecting the alternative:

1. Level of traffic capacity improvement – Level of Service (LOS)
2. Overall project costs
3. Property impacts / acquisitions

Selected Alternative

Maintenance
Alternative

Resurface Roadway (Future Maintenance Only)

Alternative 1A

Signalized Intersection Upgrades

Alternative 1B

Signalized Intersection Upgrades with Geometric Improvements

Alternative 2

Roundabout Intersections

Alternative 1B Design Elements

- **New pavement**
- **Traffic signal upgrades**
 - New coordinated traffic signals at New Karner Road and Career Path
 - New Pedestrian Signals and push buttons at New Karner, Career Path and Sand Creek (as needed)
 - New traffic signal at Sand Creek Road
- **Geometric modifications**
 - Right turn lane from Vly Rd to Watervliet Shaker Road
 - Additional NB left turn lane on Sand Creek Road
 - Additional WB thru-lane on Watervliet Shaker at Sand Creek Road Intersection
- **Potential property impacts anticipated for two (2) parcels**

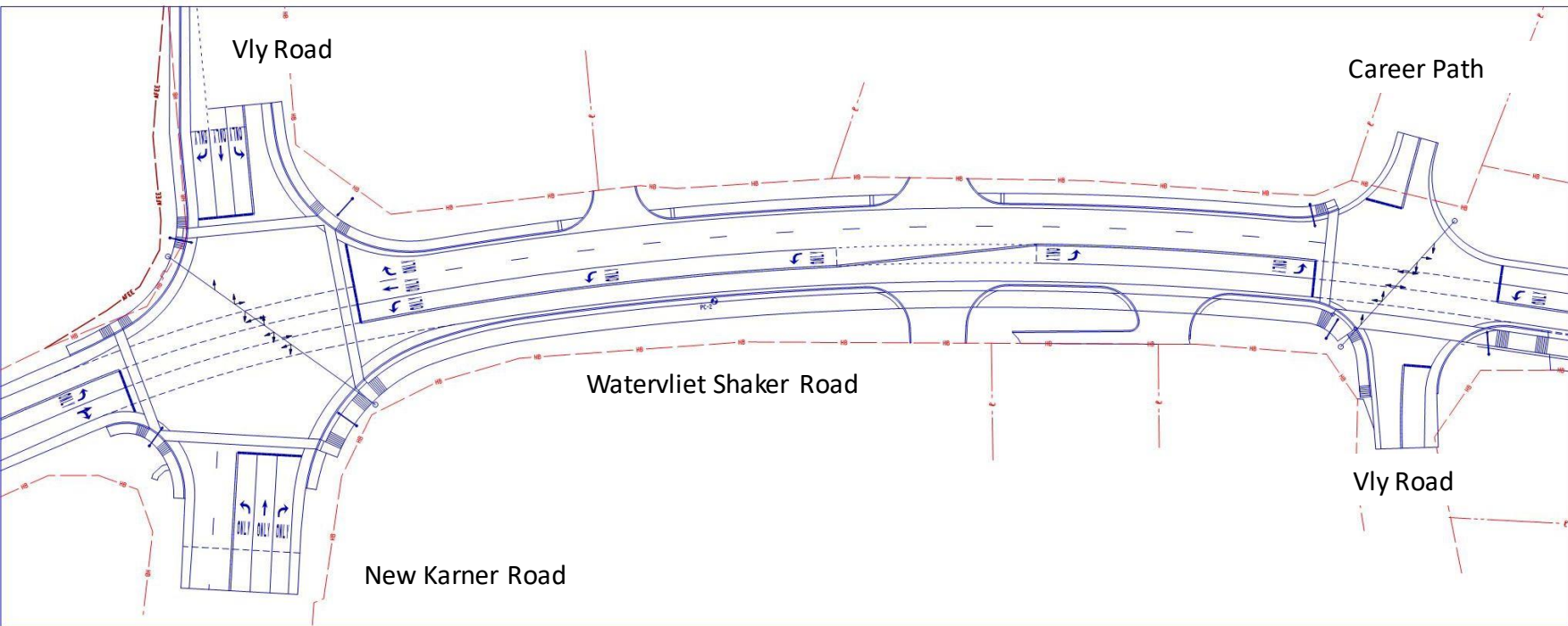
Alternative 1B Design Elements

- **Segment 2: Widen road for two-way left turn lane, construct multi-use path**
- **Work Zone Traffic Control**
 - Alternating one-way traffic during paving operations
 - Access to residential and commercial properties maintained at all times
- **Utility and Drainage Work**
 - Multiple utility pole relocations
 - Segment 1 - Modifications to existing drainage system
 - Segment 2 - Implement formal drainage and stormwater treatment system
- **Intersection and Pedestrian-Level Lighting**

Alternative No. 1B

Segment 1 Overall Plan: Career Path to Sand Creek Road

(Reduced Pavement Widths, Relocate multi-use path to south side of roadway)



New Karner Road and
Watervliet Shaker Road

Career Path and
Watervliet Shaker Road



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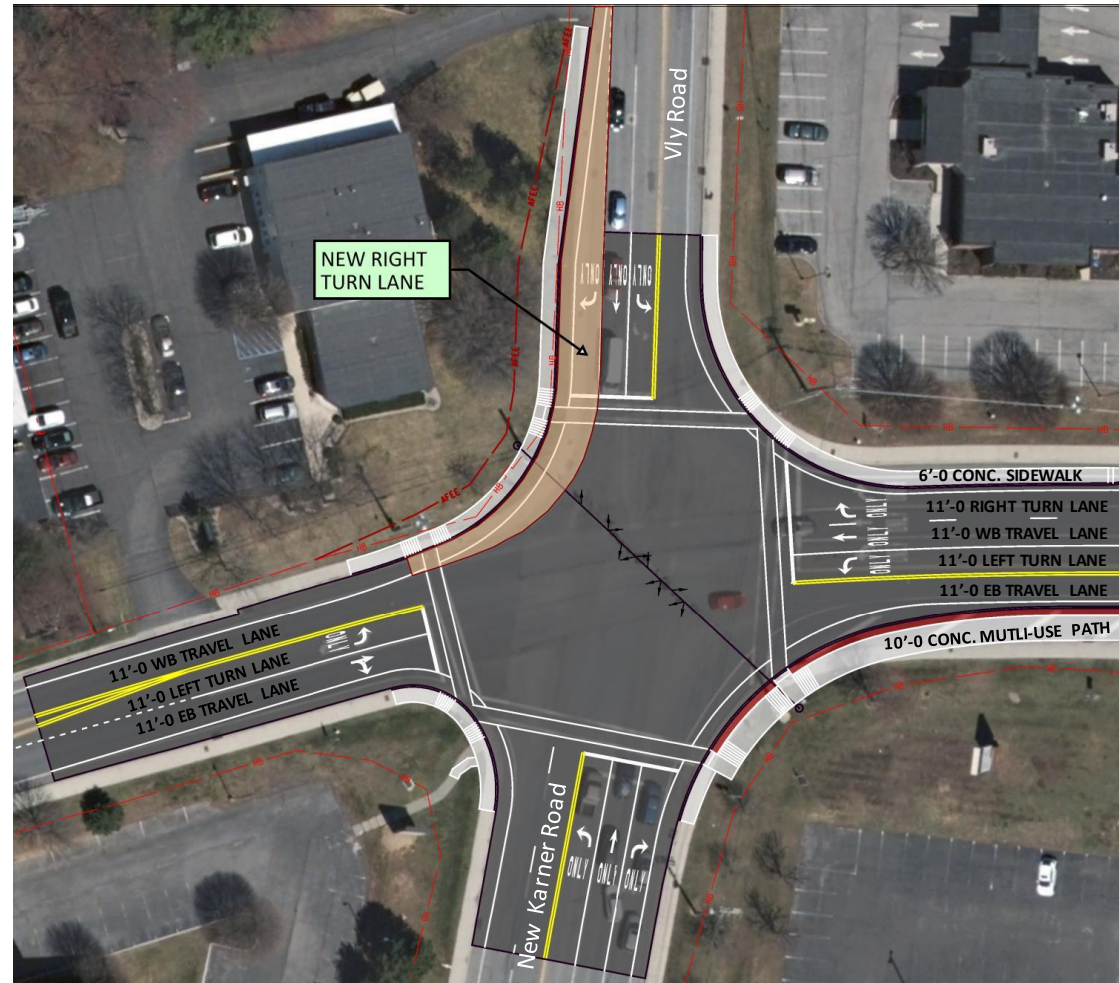


Alternative No. 1B

Intersection No. 1

New Karner Road and Vly Road

- New Signal
- Added right turn lane on Vly Road



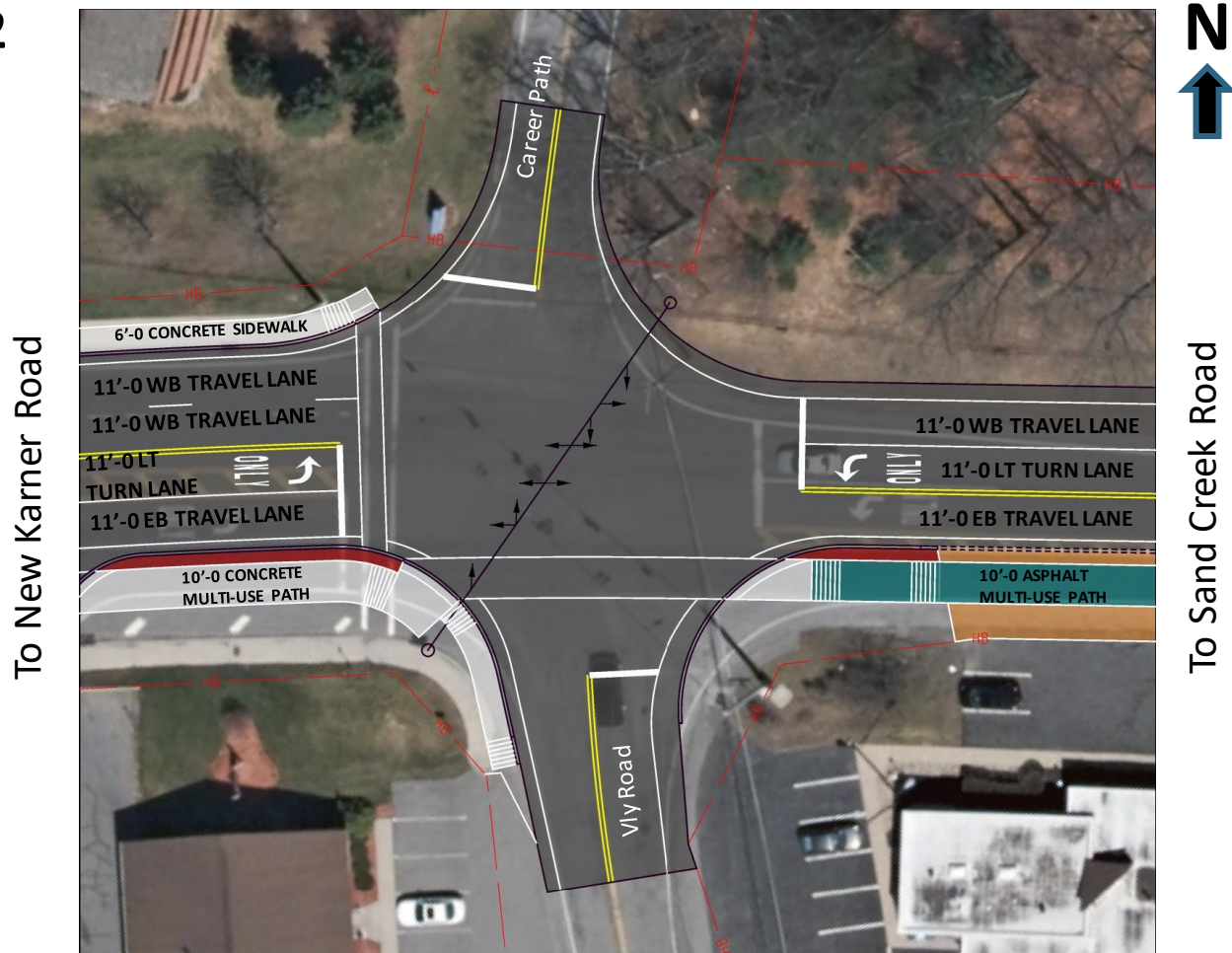
To Sand Creek Road

Alternative No. 1B

Intersection No. 2

Vly Road & Career Path

- New Traffic Signal at Career Path and Vly Road



Alternative No. 1B

Intersection No. 3 Westchester Drive

- 10'-0" Multi-use path connection
- 11'-0" two-way turn lane



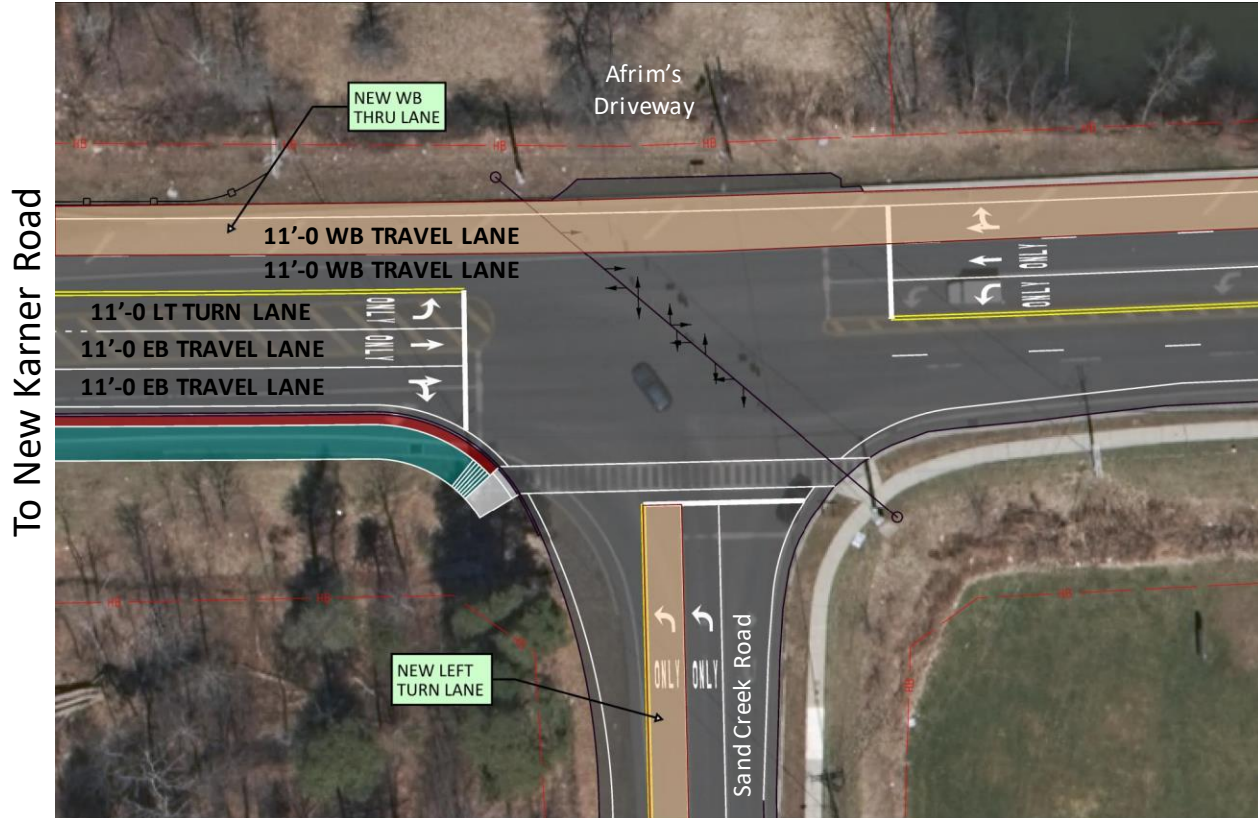
Alternative No. 1B

Intersection No. 4



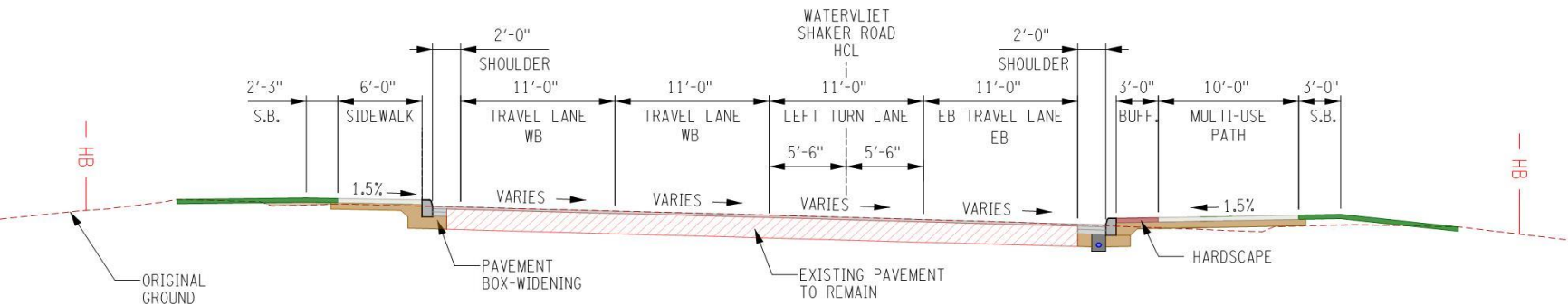
Sand Creek Drive

- New Traffic Signal at Sand Creek Road
- New WB Thru-Lane on Watervliet Shaker
- New Left Turn Lane on Sand Creek



Alternative No. 1B

Segment 1 Roadway Section: New Karner Road to Career Path



Total Roadway Width = 48 ft

LOOKING TOWARDS SAND CREEK ROAD

Roadway Section
Watervliet Shaker Road

Alternative No. 1B

Segment 1 Roadway Section: New Karner Road to Career Path

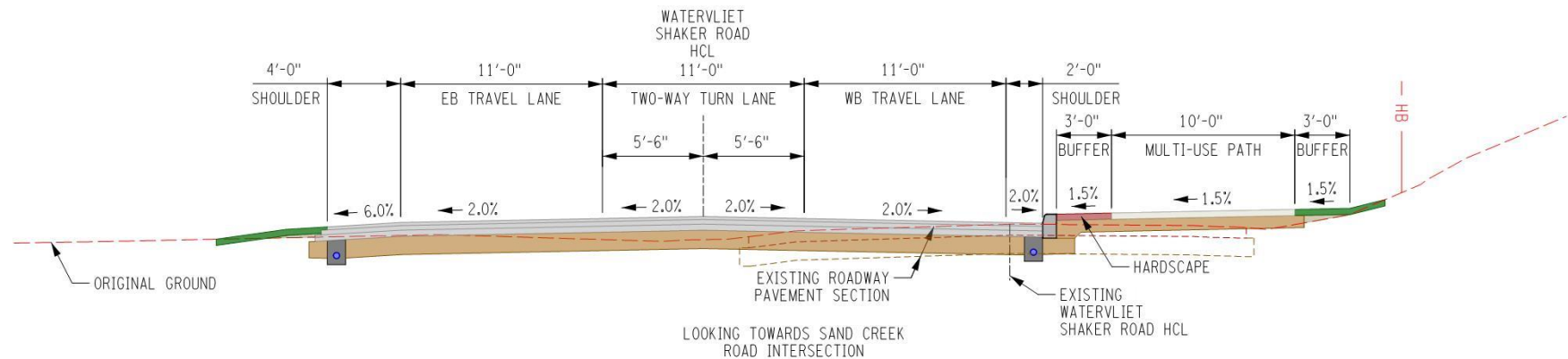
**SHOW STREET MIX SECTION HERE
SEGMENT 1**

LOOKING TOWARDS SAND CREEK ROAD

Roadway Section
Watervliet Shaker Road

Alternative No. 1B

Segment 2 Roadway Section: Career Path to Sand Creek Road



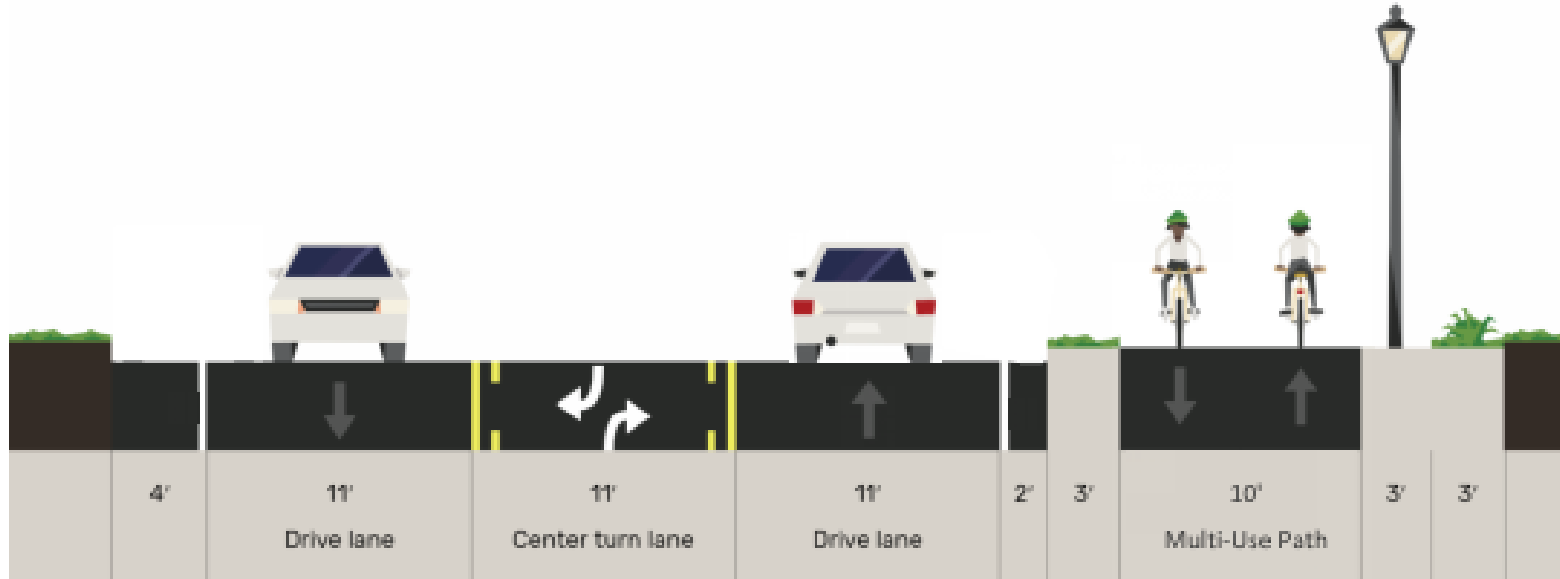
Total Roadway Width = 39 ft

LOOKING TOWARDS SAND CREEK ROAD

Roadway Section
Watervliet Shaker Road

Alternative No. 1B

Segment 2 Roadway Section: Career Path to Sand Creek Road



Made with **Streetmix**

LOOKING TOWARDS SAND CREEK ROAD

Roadway Section
Watervliet Shaker Road

Future Conditions: Traffic

Capacity Analysis Results – Alternative 1B

LOS (Delay in Seconds)

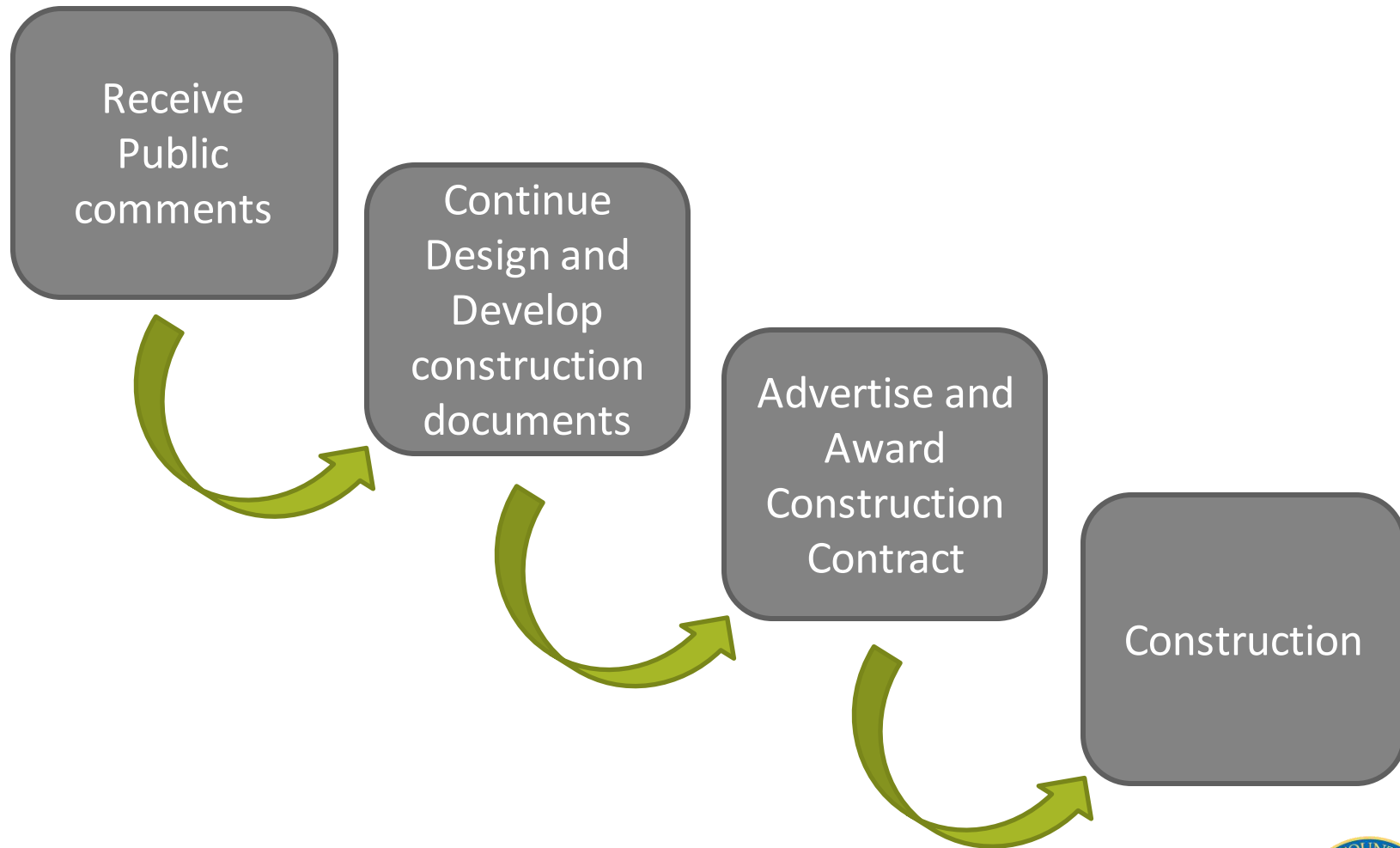
No.	Location	Desc.	EXIST 2020	NO-BUILD 2025	NO-BUILD 2035	ETC 2025	ETC+10 2035
						Alt 1B	Alt 1B
1	New Karner Rd & Vly Rd	All	C (34.3)	D (35.7)	D (36.7)	C (26.0)	C (26.4)
2	Vly Rd & Career Path	All	C (21.6)	D (39.0)	D (44.5)	B (17.4)	B (18.6)
3	Westchester Dr	NB LT/RT	E (47.4)	F (75.0)	F (84.7)	F (66.2)	F (76.2)
		WB LT	A (9.2)	A (9.5)	A (9.5)	A (9.5)	A (9.5)
4	Sand Creek Rd & Afrim's	All	D (52.0)	E (66.9)	E (72.2)	C (21.2)	C (21.5)

Standards for Level of Service (LOS)
Min LOS D (Urban)

Anticipated Construction Costs

Location	Alt. No. 1B
Segment 1	\$ 1,890,000
Segment 2	\$ 3,915,000
Property Acquisition	TBD
Total Construction Cost	\$ 5,805,000

Next Steps



Tentative Project Schedule

PROJECT TASK	Summer 2020	Fall 2020	Winter 2020-2021	Spring 2021	Summer 2021	Fall 2021	Winter 2021-2022	Spring 2022	2022 & 2023
Data Collection									
Preliminary Design									
Public Meeting #1									
Public Meeting #2									
Final Design									
Construction Start									
Utility Relocations									
Construction									



Utility relocation schedule is being confirmed



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Where Can I Find Out More?

- Check for updates on the Albany County DPW website:
<https://www.albanycounty.com/departments/public-works>
- Email Questions or Comments to:
AlbanyCountyWSR@gmail.com
by December 10, 2021

PUBLIC PARTICIPATION



Q & A Session

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