



# U.S. Route 9 Complete Streets Preliminary Engineering



**Department of  
Transportation**

# Agenda



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U.S. Route 9 Project  
Delivery Process



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# Introduction



# Project Location – NYSDOT R8



**8+ miles**

## **Project Limits**

Pierson Avenue to Tompkins Avenue

## **Major Intersecting Corridors**

Bedford Road  
NYS Thruway Ramps  
White Plains Road  
Ashford Avenue

## **Speed Limit**

25 mph to 40 mph



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# Previous Studies

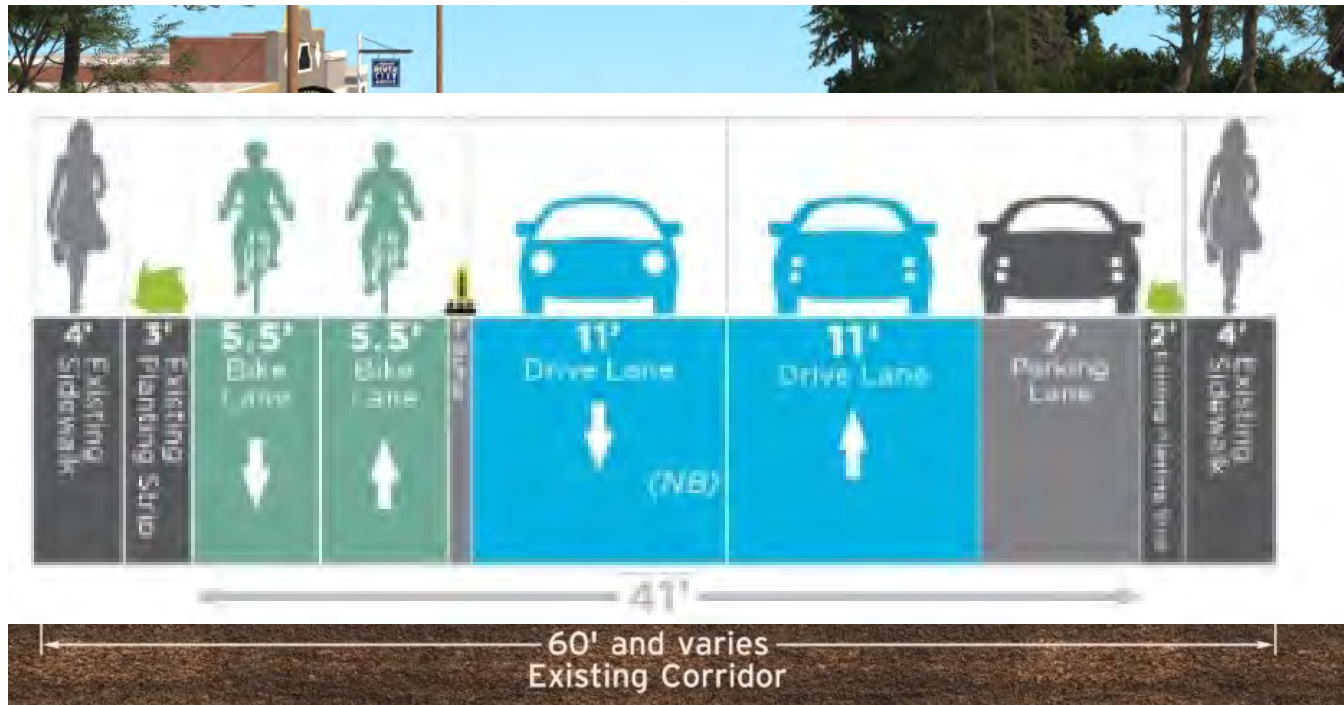
## Route 9 Active Transportation Conceptual Design Plan



# Route 9 Active

## Collaborative effort of the five villages

- ✓ Received a \$150,000 grant from New NY Bridge Project Community Benefit Fund
- ✓ Intended to promote historic, cultural and natural resources of the villages
- ✓ Enhance access to the Governor Mario M. Cuomo (Tappan Zee Forever) Bridge
- ✓ Accommodate a variety of transportation options and improving traffic safety for all modes
- ✓ Complements improved waterfront access and riverfront redevelopment





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# Area History



# History of U.S. Route 9

1609

**Henry Hudson**

Sails the Halve Maen up the Hudson River

1655

**Adriaen Van der Donck**

Pocantico River referred to as Slapershaven – Sleepers Haven

1693

**Frederick Philipse**

Purchases Westchester County – Manor of Philipsburg in Royal Charter

1718

**Battle of Edgars Lane**

Peter Post overheard Hessian soldiers planning an attack, he tipped off the Continentals

1776

**Odell Tavern Meeting**

New York Committee of Safety considered a letter from General George Washington about a possible English attack

1837

**Croton Aqueduct begins**

Allowed New York City to expand its meager water resources

1703

**Queen Anne's War**

Legislature authorized the widening of the Albany Post Road

1730's

**Military Needs**

Albany Post Road was widened for the military

1754

**British Army widening**

To help defend against invasion from Quebec

1785

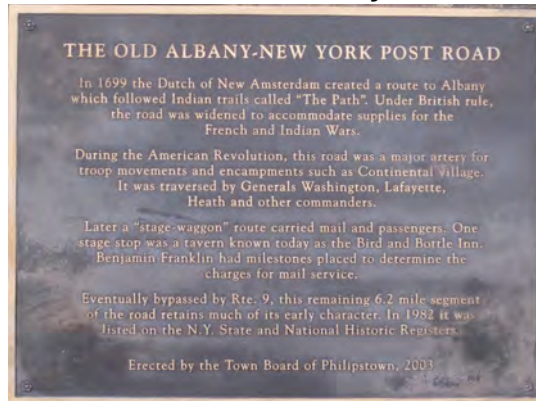
**Stagecoach Use**

Legislature established regular stagecoach service

1806

**Competing turnpikes**

Lessened the traffic on the old route.





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# What is a Complete Street ?



# What is a Complete Street

The Complete Streets Act signed into NYS law on August 15, 2011.

Requires state, county and local agencies to consider the convenience and mobility of all users when developing transportation projects that receive state and federal funding.

Complete Streets are context-sensitive;  
their design depends on the area

Safe for All

Accessible to All

Welcoming in nature

Has a calming effect

For users of all ages and abilities

Both a Process and an Outcome

Complete Streets are for everyone



Source: FHWA

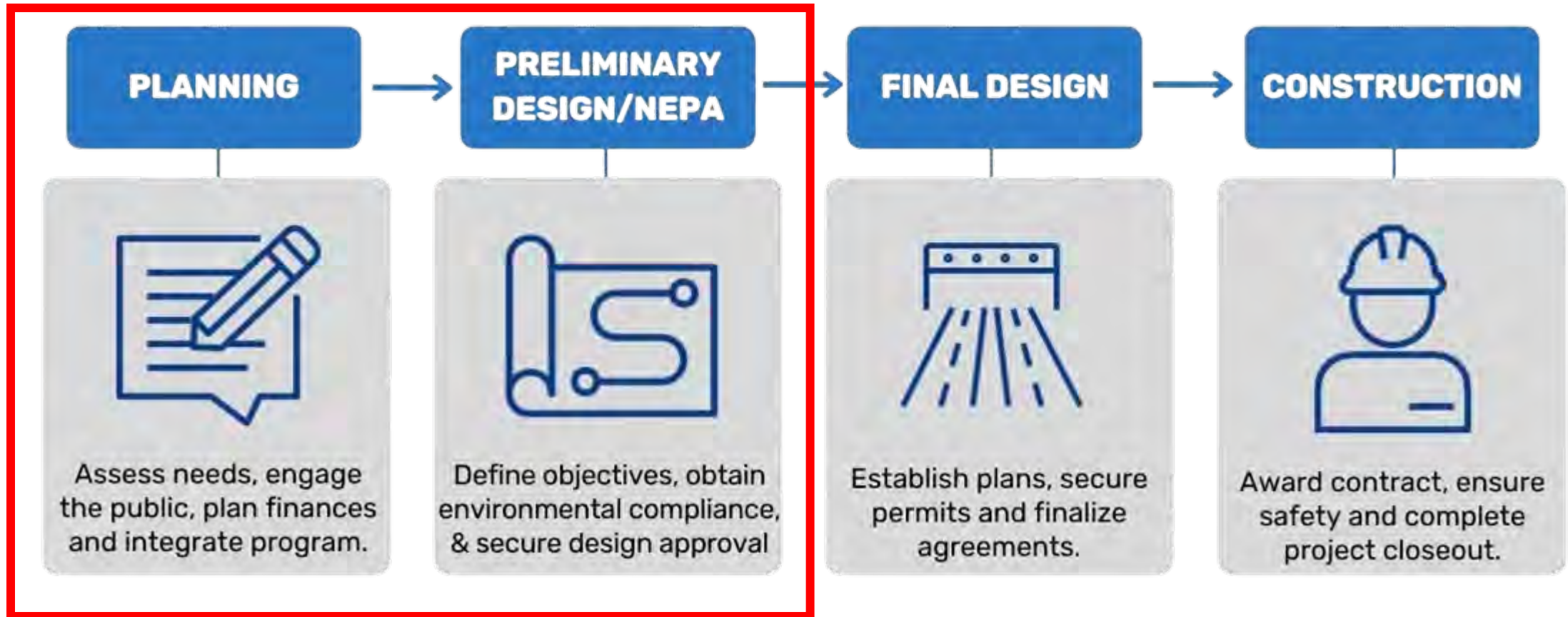


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# Project Delivery Process



# NYSDOT Project Delivery Process



# U.S. Route 9 Project Delivery Process



## Existing conditions

- Data collection and previous studies, Develop corridor vision, goals and objectives

## Conceptual Alternatives

- Develop future scenarios based on various forecasted traffic and land use projections

## Evaluation

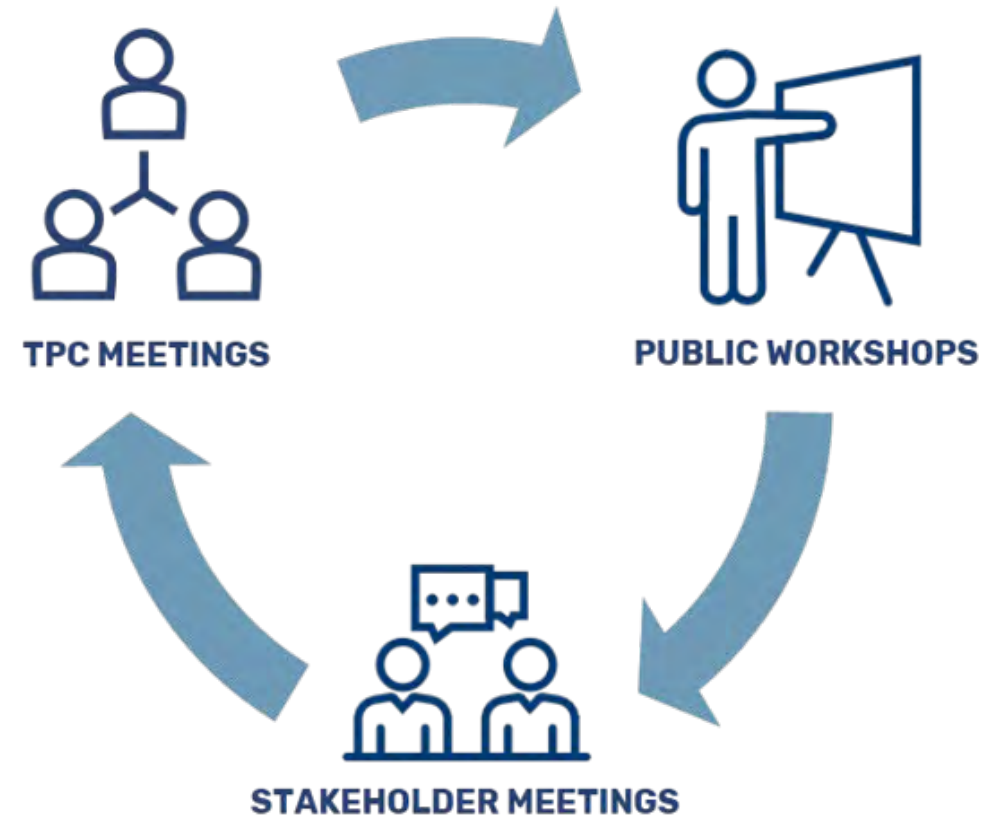
- Preliminary Engineering, further vet and evaluate (3D modeling, detailed traffic analysis) alternatives and associated impacts and costs

## Documentation

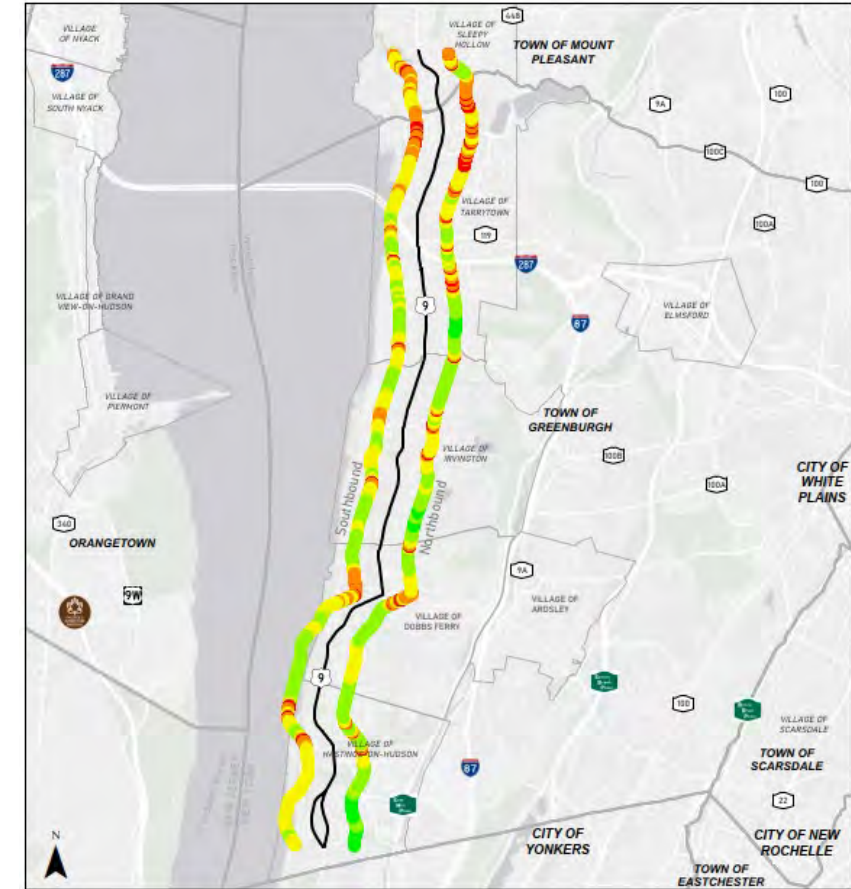
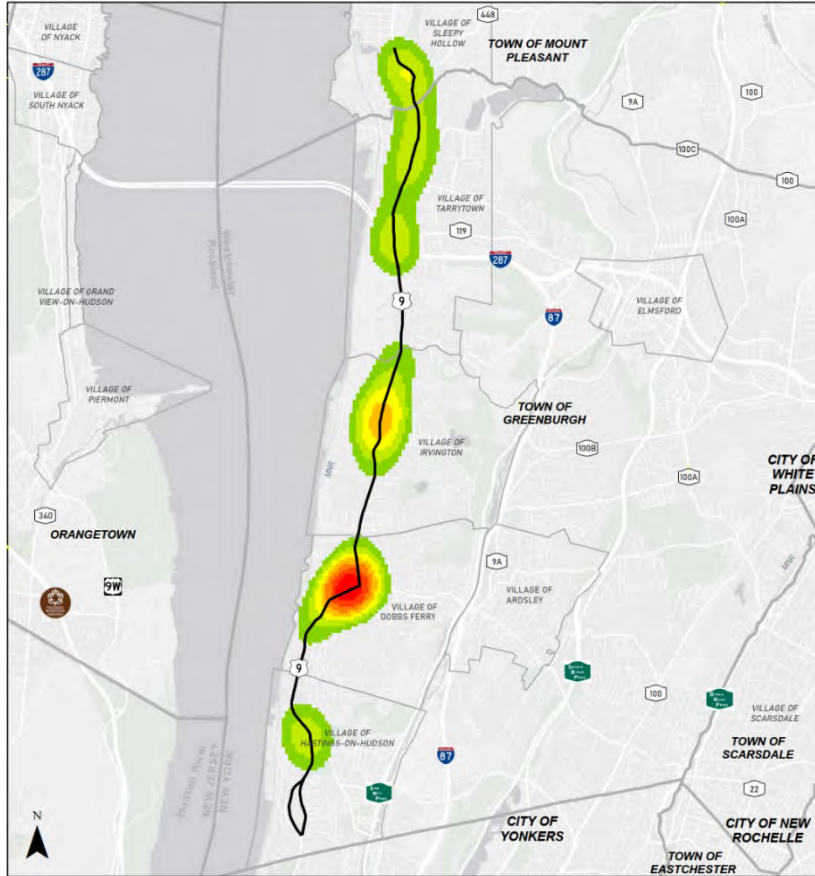
- Based on public comment, finalize project documents and recommendations

# Public Involvement Process

- Transportation Partnering Committee (TPC)
- Public Workshops
- Individual Stakeholder Meetings



# Step 1 – Document Existing Conditions

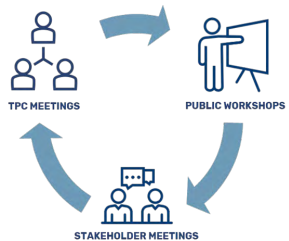


— Transportation Corridor

Speed (mph)

- 0 - 10
- 10.01 - 20
- 20.01 - 30
- 30.01 - 40
- 40.01 - 50

0 0.5 1 2 Miles



# Step 1: Development of Corridor Vision, Needs , Goals and Objectives

- **Vision – Establishing the big picture**
  - Broad, long-term of what the project aims to achieve
  - Sets the tone and strategic direction for the entire project
- **Needs – Identifying the Problems to Solve**
  - Define the core transportation issues
- **Goals – Framing the Desired Outcomes**
  - Shaped by the needs to identify priorities that the Project will address
- **Objectives – Making Goals Measurable and Actionable**
  - Targets for evaluating how well a proposed alternative meets the project goals

**4-step process** to bring to the forefront concerns of the corridor

- 1 Needs/Issues
- 2 Prioritize Needs/Issue
- 3 Corridor Goals
- 4 Objectives

Result is a list of needs/issues to be solved and draft corridor goals & objectives

# Prioritized Needs

 Safe, continuous, predictable traffic and transit flow

 Improve connectivity of people to places

 Meeting future climate resiliency needs

 Safer pedestrian crossings

 Improved access to Bee Line buses

 Optimize convenience for automobile alternatives

 Speed calming

 Multi-modal transportation (pedestrian/bikes/buses)

 Innovative solutions for complex intersections

 Connectivity across Route 9 to Route 9A (move trucks from Rt. 9 -> 9A)

 Preserve high-capacity transit access

 Improve roadway lighting

 Sidewalks free from obstruction

**U.S. Route 9 Complete Streets Preliminary Engineering**  
Public Workshop #1  
**Group Exercise – Corridor Needs/Issues & Goals**  
10 Minutes

**Step 1**  
As a group, quickly brainstorm corridor issues/needs as you know them. Pick one person to record the group's issues/needs. Record each issue/need in one of the shaded boxes below. This portion of the group exercise is a brainstorming exercise, so record what is offered, do not evaluate merit of issue/concern during step 1.

| Leave this column blank for Step 1                                                   | Record individual corridor issue/needs in boxes below. Record one issue/need per box. | Leave this column blank for Step 1                                                  | Record individual corridor issue/needs in boxes below. Record one issue/need per box. |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|    | STOP FATALITIES and accidents                                                         |                                                                                     | Add sidewalks and improve/widen existing sidewalks                                    |
|                                                                                      | Pedestrian safety                                                                     |  | Extend sidewalks all the way north to Phelps, and south to Yorkers                    |
|    | School-aged children should be able to walk to school (crossing Broadway)             |                                                                                     | Expedite "easy" changes prior to finalization of design                               |
|                                                                                      | Commuters should be able to walk to the train (crossing Broadway)                     |                                                                                     | One lane in each direction, w/ dedicated turn lane                                    |
|                                                                                      | Reduce/eliminate truck traffic                                                        |                                                                                     |                                                                                       |
|                                                                                      | Safety for bicycles                                                                   |                                                                                     |                                                                                       |
|                                                                                      | Enforce speed limit                                                                   |                                                                                     |                                                                                       |
|  | Simplify intersections – use traffic circles!                                         |                                                                                     |                                                                                       |

Please note, it is important that your group completes the worksheet, so that the study team has something tangible to refer to after the Public Workshop, thank you!

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**U.S. Route 9 Complete Streets Preliminary Engineering**  
Public Workshop #1  
**Group Exercise – Corridor Needs/Issues & Goals**  
10 Minutes

**Step 2:**  
As a group, work to reach consensus on what your group believes to be the corridor's top three issues/needs, taken from your list on the reverse side of this worksheet.

You might find it helpful to use the red and green stickers provided. Each member of the table is provided a single red sticker and a single green sticker. Each member places their dot adjacent their priority issues/needs – red for highest, green for second highest. This exercise should help your group focus your efforts in reaching consensus.

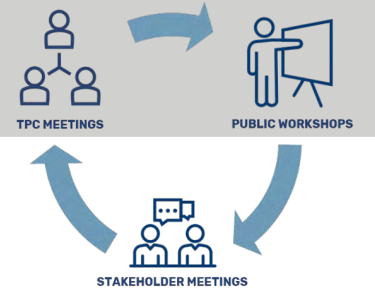
Record the group's top three corridor issue/needs in the space provided below, in the time allotted, as best your group can.

| Group's Top Three Corridor Issue/Needs: |                                                                                                     |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------|
| 1                                       | Stop fatalities and accidents                                                                       |
| 2                                       | Pedestrian safety – particularly for children living on east side commuting to schools on west side |
| 3                                       | Simplify intersections by using traffic circles ("roundabouts")                                     |

Please note, it is important that your group completes the worksheet, so that the study team has something tangible to refer to after the Public Workshop, thank you!

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# Project Goals



Need:  
***Safety***



**Improve corridor safety for all users**

Need:  
***Congestion***



**Provide reliable mobility to improve overall efficiency**

Need:  
***Multi-modal***



**Create a multi-modal transportation corridor**

Need:  
***Geometrics***



**Explore innovative solutions**

Need:  
***Accessibility***



**Improve access to transit modes, key destinations, and community assest**

Need:  
***Connectivity***



**Provide Convenient Crossings and consistent facilities for all users**

## Measurable Objectives

**Apply proven safety countermeasures, that reduce total crashes for all modes**

**Implement innovative Intelligent Transportation Systems (ITS) to reduce travel delays**

**Ensure the design balances all modes of transportation within the constrained roadway footprint and accommodate all modes of transportation.**

**Enhance pedestrian and bicycle connectivity throughout the corridor.**

**Increase bus transit ridership.**

**Develop a solution that minimizes overall environmental impacts.**

## Step 2 – Concept Development

### Innovative Workshop

- Kick off the Concept Development Step
- Foster creativity, problem solving, and collaboration in developing new solutions, technologies, or methods



# FHWA Proven Safety Countermeasures

## 28 Proven Safety Countermeasures

- Countermeasures and strategies that are effective in reducing fatalities and injuries

## Safety Focus Areas

- Speed
- Intersections
- Roadway Departures
- Pedestrian Bicyclists

## Crosscutting

- Address multiple safety concerns

## Our Project

- Considers 13 of the 28 PSC



Proven Safety  
Countermeasures

# Road Diet



# Roundabout



# Intersections



# Design Challenges

## ADA Requirements



## ROW Constraints



## On-Street Parking



## Pedestrian Connectivity to transit



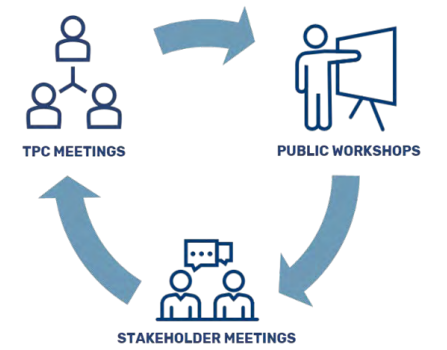
## Historic and Cultural Resources



## Congestion



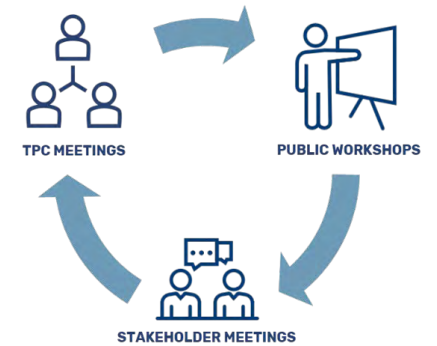
# Conceptual Design



## Step 3 – Evaluation of Alternatives



- Geometric Feasibility
- Footprint/ROW
- Performance Metrics
- Environmental
- Constructability / Staging WZTC
- Phasing & Delivery
- Cost Estimating



## Step 3 – Evaluation of Alternatives



## Step 4 – Deliverables

## Transportation Project Report

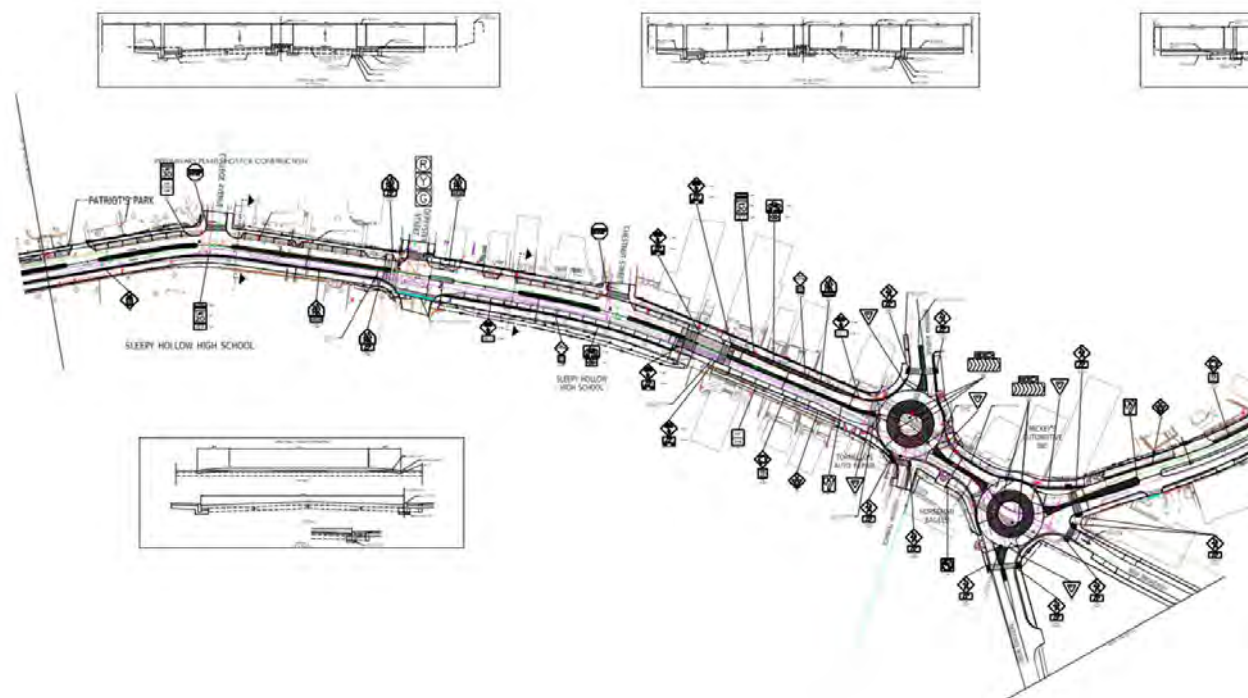
## Draft Design Report

July 2025

U.S. Route 9 Complete Streets Preliminary Engineering  
Project Identification Number (PIN): 8010.80  
Bridge Identification Number (BIN): 1004940, 1004939, 5525340  
Towns of Mount Pleasant and Greenburgh  
Villages of Sleepy Hollow, Tarrytown, Dobbs Ferry, Irvington and  
Hastings-on-Hudson  
Westchester County

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**U.S. Department of Transportation  
Federal Highway Administration**



# Keys to success – The four D's

## Streamlined Complete Streets Process

### Devise

- Create a framework of solutions
- Plan and hold design charettes/innovative workshops

### Discover

- Immerse yourself into the local history, cultural, politics, users and uses

### Distill

- Narrow down solutions with public input

### Deliver

- Provide recommendations and implementation plan

## What success looks like

Team,

I just wanted to thank you for meeting with the TPC last week. It was very helpful to see the plans and review them comprehensively with your team.

I should also note that I was pleasantly surprised that many of the recent changes to the plans directly responded to the concerns expressed in our January 27, 2025, letter. While I realize it is often difficult to address each and every concern, I am pleased that you thoughtfully considered all of the concerns.

The final design will be better because of the time you invested so far. I look forward to seeing this project progress to completion.

Village Administrator



**Thank you**  
**Questions?**



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