



DUTCHESS COUNTY TRANSPORTATION COUNCIL

Better ways from here to there

Dutchess County Transportation Safety Action Plan

Advisory Committee Meeting #1

presented by

Cambridge Systematics, Inc.

with

Sam Schwartz Engineering; Westin & Sampson; Byer Planning, LLC

August 20, 2024

CAMBRIDGE SYSTEMATICS



Agenda

- Welcome and Introductions
- Introduction to Planning Process
- Project Overview / Workplan
- Advisory Committee Engagement
- Outreach Plan
- Initial Tasks – Document Review and Data Analysis
- Open Discussion
- Closing and Next Steps

Welcome and Introductions

Meet the Team



**Sam
Schwartz**
A TYLin Company



Russ Martin



Ryan Klitzsch



Cory Hopwood

Meet the Advisory Team

Safety Action Plan - Advisory Committee	Representative
Dutchess County Transportation Council (DCTC)	Emily Dozier, Senior Planner (Project Manager)
Dutchess County Transportation Council (DCTC)	Mark Debald, Transportation Program Administrator
Dutchess County Transportation Council (DCTC)	Tara Grogan, Senior Planner
Dutchess County Dept of Public Works (DPW)	Steve Gill, Traffic Engineer
Dutchess County Traffic Safety Board (TSB)	Bill Johnson, Traffic Safety Administrator
Dutchess County Dept of Emergency Response (ER)	Dana Smith, Commissioner
Dutchess County Dept of Health (DBCH)	Hisieni Sacasa, Biostatistician
Dutchess County Sheriff's Office (DCSO)	Mike Dampf, Lieutenant
NYS Police	Sgt. Howard Dorner, Troop K Traffic Supervisor
NYS DOT Region 8	Mo Islam, Pedestrian/Bicycle Coordinator
Town of Pleasant Valley Highway Dept	John Baxter, Highway Superintendent
Town of Fishkill Highway Dept	Carmine Istvan, Highway Superintendent
City of Poughkeepsie	Rich DuPilka, City Engineer
Village of Red Hook	Karen Smythe, Mayor
Bard College	Jeffery Smith, Manager of Transportation Services
Wappingers Central School District	Dr. Dwight Bonk, Superintendent

Introduction to Planning Process

Background and Purpose

One Year of Crashes in Dutchess County

8,100 crashes



Resulting in:

22

Deaths

225

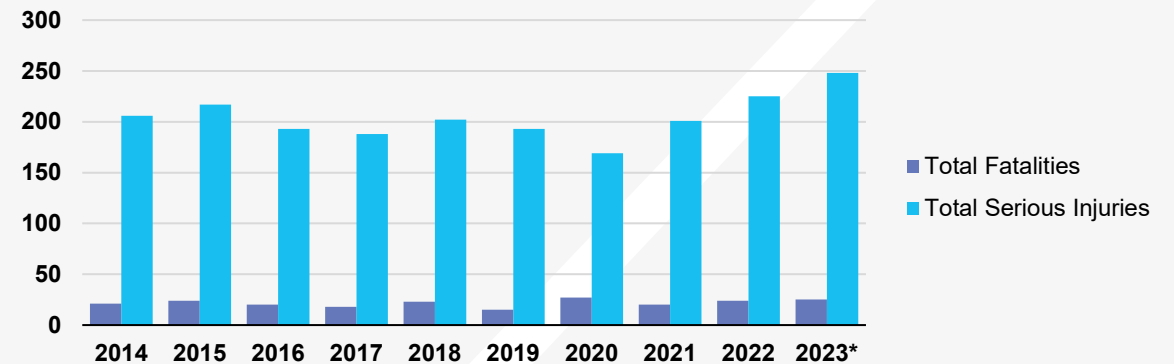
Serious Injuries

2,400

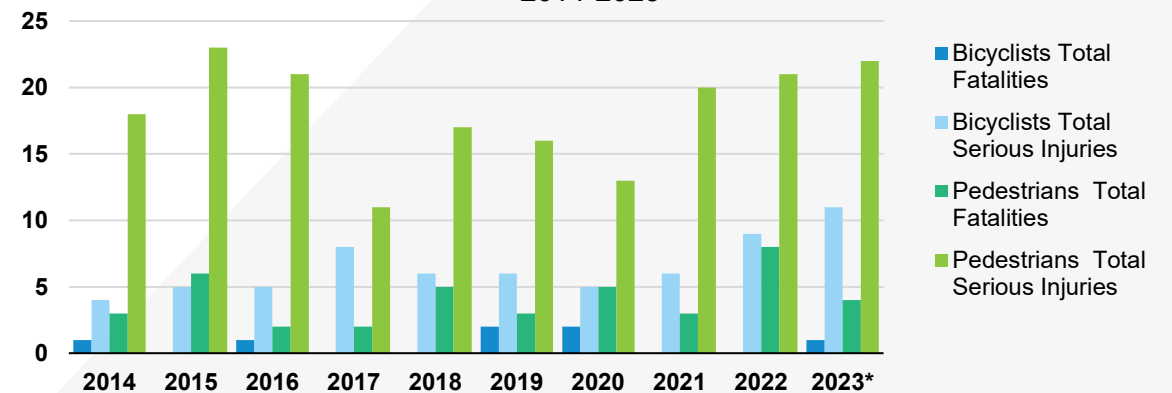
Injuries

Source: NYSDOT crash data (2015-2019)

Total Fatalities and Serious Injuries
2014 - 2023



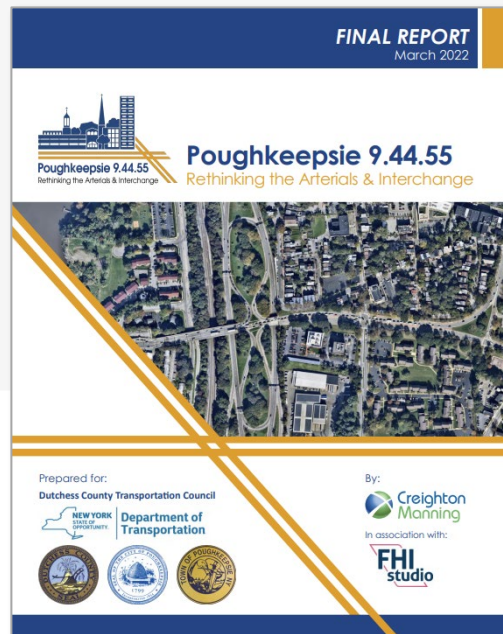
Total Bicycle and Pedestrian Fatalities and Serious Injuries
2014-2023



*2023 Preliminary Estimates

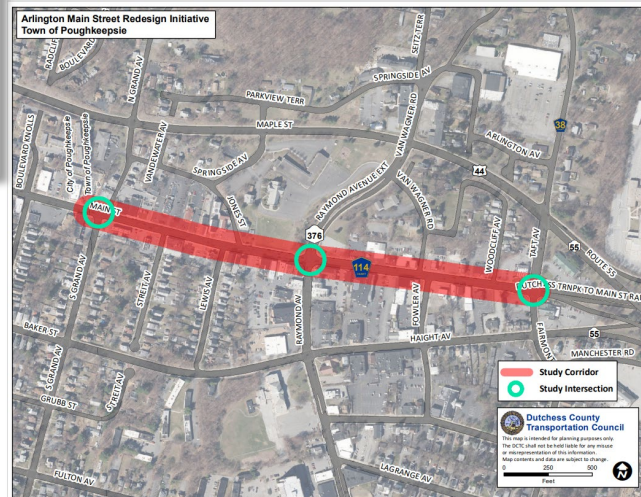
Dutchess County's Ongoing Safety Work

Local Plans and Safety Assessments



CR 14 (Hollow Rd) Safety Assessment
S Creek Rd – W Cockingham Rd, Town of Clinton
December 2021

Dutchess County Transportation Council
85 Civic Center Plaza, Suite 107
Poughkeepsie, NY 12601
Phone: (845) 486-3600
Fax: (845) 486-3610
Email: dctc@dutchessny.gov
Internet: <http://www.dutchessny.gov/dctc>



Moving Dutchess Forward

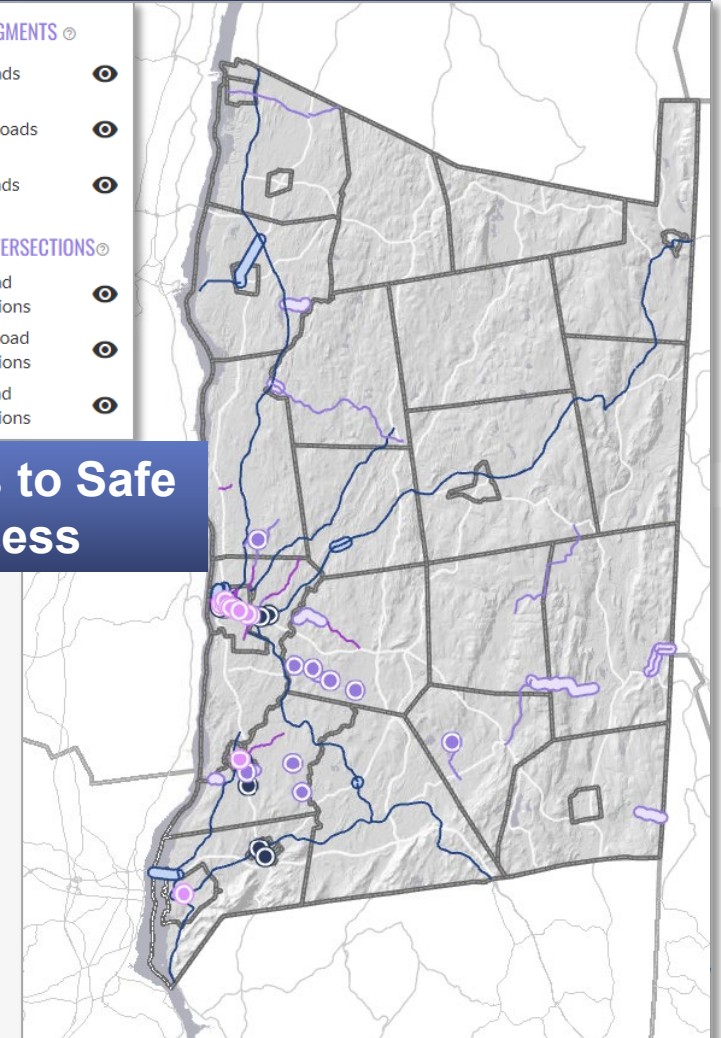
HIGH CRASH SEGMENTS

- State Roads
- County Roads
- Local Roads

HIGH CRASH INTERSECTIONS

- State Road Intersections
- County Road Intersections
- Local Road Intersections

Barriers to Safe Access



Safe Streets and Roads for All Grant Program

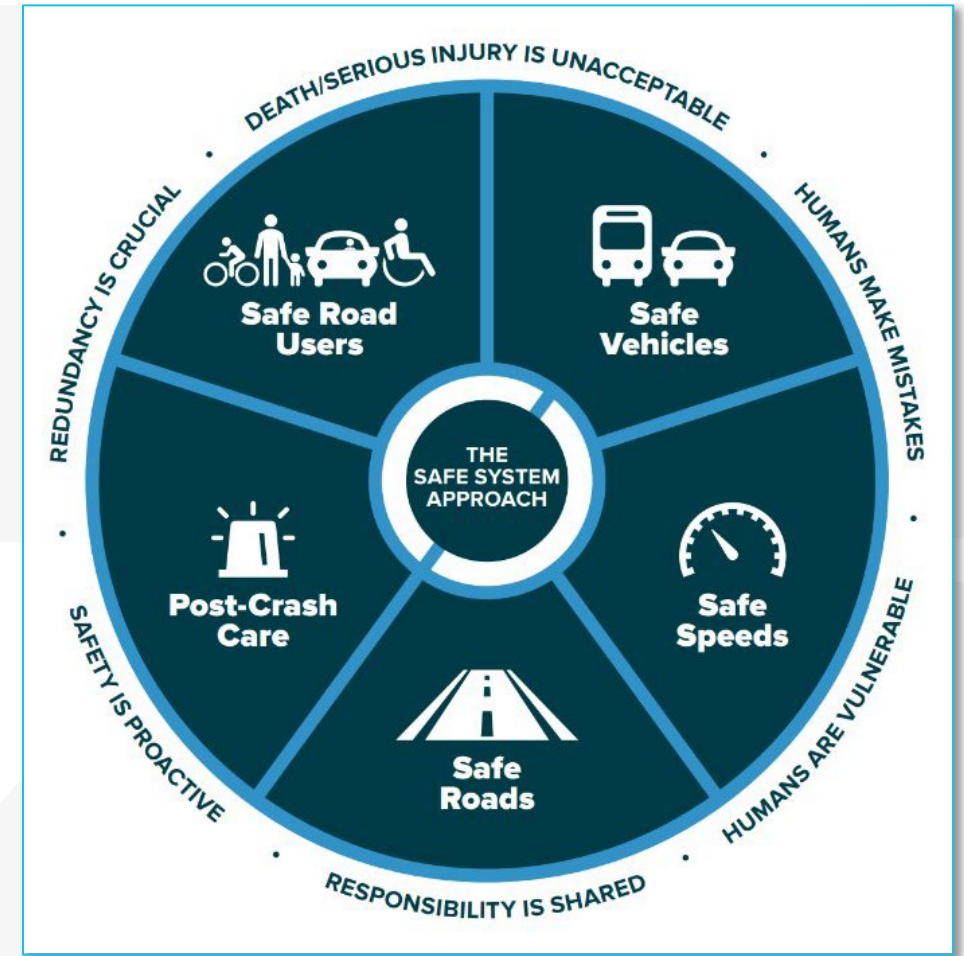
- Identify key risk factors through data-driven process
- Engage with communities and local representatives
- Determine policy and process changes
- Prioritize strategies and projects to address safety concerns
- Develop plan compliant with SS4A requirements

S S 4 A		Safe Streets and Roads for All Self-Certification Eligibility Worksheet	
Applicants should follow the instructions in the NOFO to correctly apply for a grant. See the SS4A website for more information. Instructions: The purpose of this worksheet is to determine whether an applicant's existing plan(s) is substantially similar to an Action Plan for purposes of applying for an Implementation Grant or to conduct Supplemental Planning/Demonstration Activities only. Use of this worksheet is required. Applicants should not adjust the formatting or headings of the worksheet. For each question below, answer "yes" or "no." If "yes," cite the specific page in your existing Action Plan or other plan(s) that corroborate your response, or cite and provide other supporting documentation separately. An applicant is eligible to apply for an Action Plan Grant that funds supplemental action plan activities, or an Implementation Grant, only if the following two conditions are met: • Answer "yes" to Questions 3 7 9 • Answer "yes" to at least four of the six remaining Questions 1 2 4 5 6 8 If both conditions are not met, an applicant is still eligible to apply for an Action Plan Grant that funds creation of a new Action Plan. Lead Applicant: _____ UEI: _____ 1 Are both of the following true? ☐ YES ☐ NO If yes, provide documentation: • Did a high-ranking official and/or governing body in the jurisdiction publicly commit to an eventual goal of zero roadway fatalities and serious injuries? • Did the commitment include either setting a target date to reach zero, OR setting one or more targets to achieve significant declines in roadway fatalities and serious injuries by a specific date? 2 To develop the Action Plan, was a committee, task force, implementation group, or similar body established and charged with the plan's development, implementation, and monitoring? ☐ YES ☐ NO If yes, provide documentation: 3 Does the Action Plan include all of the following? ☐ YES ☐ NO If yes, provide documentation: • Analysis of existing conditions and historical trends to baseline the level of crashes involving fatalities and serious injuries across a jurisdiction, locality, Tribe, or region; • Analysis of the location where there are crashes, the severity, as well as contributing factors and crash types; • Analysis of systemic and specific safety needs is also performed, as needed (e.g., high risk road features, specific safety needs of relevant road users; and, • A geospatial identification (geographic or locational data using maps) of higher risk locations.  U.S. Department of Transportation Still have questions? Visit the SS4A website SS4A Self-Certification Eligibility Worksheet Page 1 of 2			

Safe Systems Approach

- New York State adopted FHWA's Safe System Approach for its transportation system

NY SHSP's Vision:
“New York State strives for an equitable and sustainable transportation system that works towards zero fatalities and zero serious injuries for all roadway users.”



Project Overview / Workplan

Scope

Task 1

Project Management, Communication, Scope and Schedule, and Public Outreach

Task 5

Countermeasure Selection and Stakeholder Workshop

Task 2

Dutchess County Context and Document Review

Task 6

Project Identification, Goal Setting, and Performance Measures

Task 3

Data Collection

Task 7

Study Finalization and Stakeholder Outreach

Task 4

Crash and Roadway Data Analysis

Task 8

Final Transportation Safety Action Plan (SAP) and Executive Summary



Major Tasks and Deliverables

Task 1 Project Management, Communication, Scope and Schedule, and Public Outreach

- Draft and Final Outreach Plan
- Draft and Final Project Management Plan
- Advisory Committee Meetings (6)
- Public Outreach Activities and Summary Reports
- Policy Body Presentations and Summary Reports
- Monthly update meetings, reports, and invoices

Task 2 Dutchess County Context and Document Review

- Draft and Final Document Review Report

Task 3 Data Collection

- Draft and Final Data Collection Report

Task 4 Crash and Roadway Data Analysis

- Draft and Final Safety Data Analysis Report

Task 5 Countermeasure Selection and Stakeholder Workshop

- Draft and Final Safety Countermeasure Toolkit
- Stakeholder Workshop #1

Task 6 Project Identification, Goal Setting, and Performance Measures

- Draft (1st, 2nd) and Final Priority Location Report
- Draft and Final Systemic Countermeasures Report
- Draft and Final Performance Plan

Task 7 Study Finalization and Stakeholder Outreach

- Stakeholder Workshop #2

Task 8 Final Transportation Safety Action Plan (SAP) and Executive Summary

- Draft and Final SAP Outline
- Draft and Final SAP
- SAP Presentation to Advisory Committee



Project Schedule – 2024

	2024				
Tasks and Leads	AUG	SEP	OCT	NOV	DEC
Task 1: Project Management (CS)					
Monthly Written Progress Reports and Invoices (CS)	●	●	●	●	●
DCTC Progress Meetings (CS)	●	●	●	●	●
Public Outreach (SSE, WS)				Public Event #1	
Advisory Committee Meetings (CS)	#1 Kickoff			#2 Review Docs, Data	
Task 2: Dutchess County Context and Document Review (CS)			Draft		Final
Task 3: Data Collection (CS)			Draft		Final
Task 4: Crash and Roadway Data Analysis (CS)				Draft	Final
Task 5: Countermeasure Selection and Stakeholder Workshop (SSE)					
Task 6: Project Identification, Goal Setting, and Performance Measures (SSE)					
Task 7: Study Finalization and Stakeholder Outreach (CS)					
Task 8: Final Transportation Safety Action Plan (SAP) and Executive Summary (CS)					

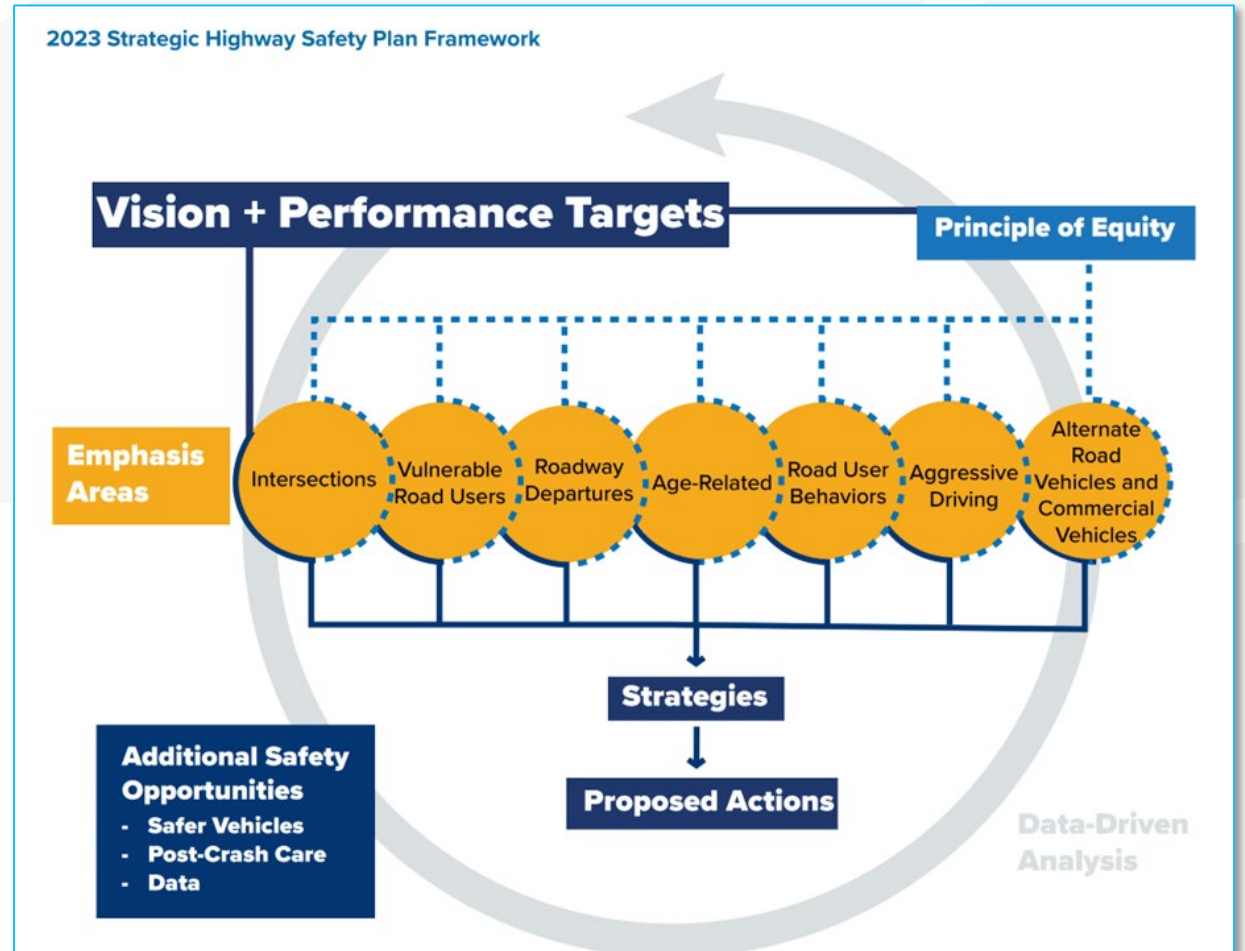


Project Schedule – 2025

	2025								
Tasks and Leads	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
Task 1: Project Management (CS)									
Monthly Written Progress Reports and Invoices (CS)	●	●	●	●	●	●	●	●	●
DCTC Progress Meetings (CS)	●	●	●	●	●	●	●	●	●
Public Outreach (SSE, WS)	Public Event #2								
Advisory Committee Meetings (CS)	#3 Discuss CM Toolkit		#4 Discuss Priority Locations, Syst. CMs, Perf Plan		#5 Discuss Priority Locations, Systm. CMs			#6 Review SAP	
Task 2: Dutchess County Context and Document Review (CS)									
Task 3: Data Collection (CS)									
Task 4: Crash and Roadway Data Analysis (CS)									
Task 5: Countermeasure Selection and Stakeholder Workshop (SSE)	Draft CM Toolkit	Stakeholder WS #1, Final CM Toolkit							
Task 6: Project Identification, Goal Setting, and Performance Measures (SSE)		Draft Priority Locations, Systm. CMs, Perf. Plan	Final Perf Plan	Final Priority Locations, Systm. CMs					
Task 7: Study Finalization and Stakeholder Outreach (CS)			Stakeholder WS #2						
Task 8: Final Transportation Safety Action Plan (SAP) and Executive Summary (CS)		Draft SAP Outline	Final SAP Outline				Draft SAP	SAP Presentation	Final SAP

Final Outcomes

- **A Performance Plan, Action Plan and Progress Monitoring** to measure progress toward the established targets and performance measures
- Actions in alignment with Safe Systems Approach and National Roadway Safety Strategy
- **Countermeasure Toolkit** based on the capital countermeasures and safety programs
- **Priority Projects List**, including capital projects and programs with associated timeframes (e.g., short-, mid-, and long-term), costs, and funding sources
- Lay the groundwork to successfully procure **SS4A Implementation Grant**

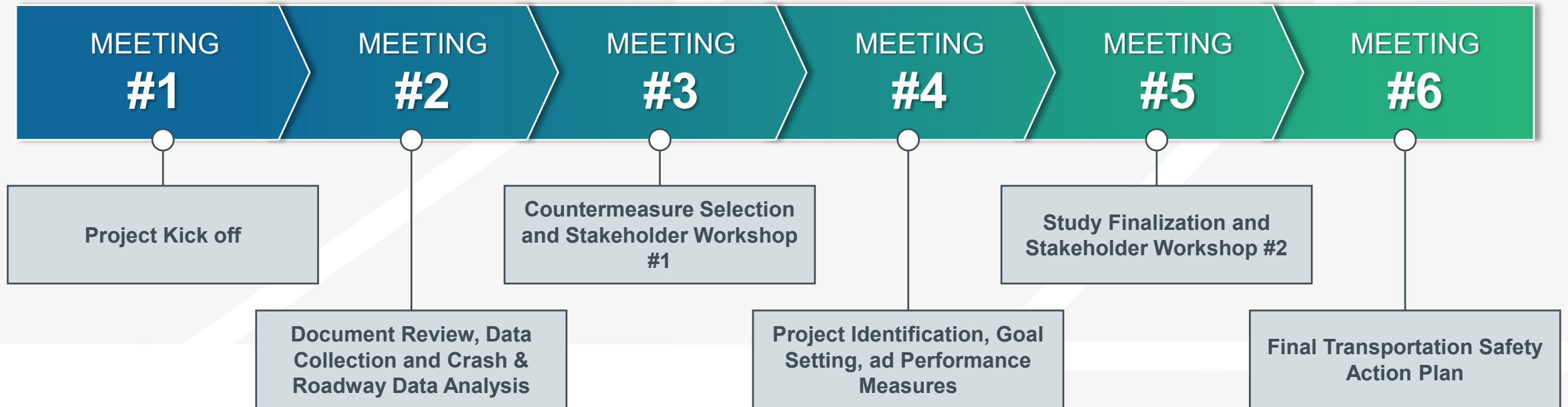


Advisory Committee Engagement

Committee Role

- The SAP Advisory Committee will:
 - » Provide project direction
 - » Guide the overall study
 - » Monitor its progress and performance
 - » Review draft deliverables
 - » Reach consensus on recommendations

Interaction Points



Discussion of Committee Expectations

What do you hope to get out of this process?

What are your greatest safety concerns for the region?

Are there specific areas we should focus on?

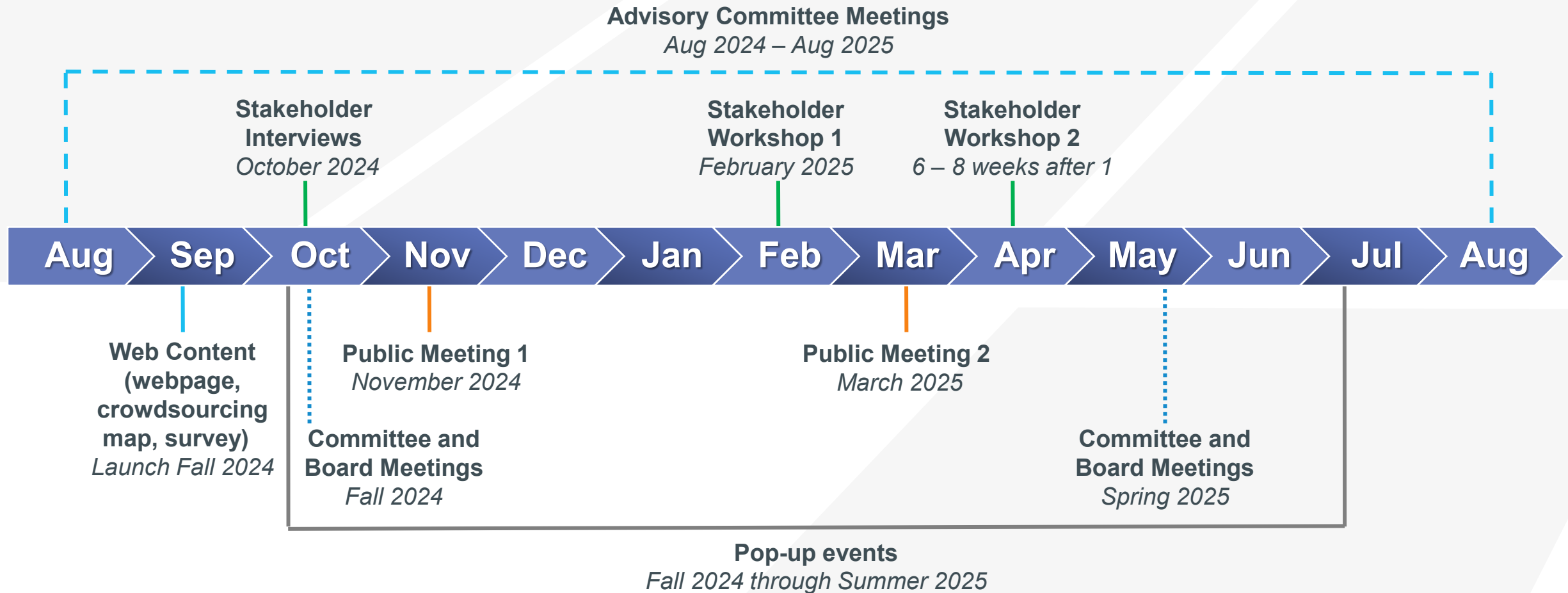
Outreach Plan

Scope

- **Goals of Public Engagement:**
- » Promote an ongoing partnership between the project team, municipal partners, transportation agencies, and stakeholders.
 - » Conduct early, frequent, and continuous consultation, by committing to public notification of affected parties and providing opportunities for input in identifying solutions.
 - » Build support for, and general consensus on, the SAP goals and recommendations.
 - » Identify, early in the process, any challenges pertaining to individual projects as part of the plan.



Timeline of Engagement



List of Stakeholders

- The Thirty Municipal Government and Planning Agencies in Dutchess County
- Pedestrian and Bicycle Groups, such as the Mid-Hudson Road Runners, Mid-Hudson Bicycle Club, Fats in the Cats Bicycle Club, and Beacon Bicycle Coalition
- DCTC's Bicycle-Pedestrian Advisory Committee (BPAC)
- School Districts and Educational Institutions; Safe Routes to Schools Groups
- Senior Citizen Organizations or Centers, including the County's Office for the Aging
- Disability Advocacy Groups, such as Taconic Resources for Independence and ThinkDIFFERENTLY
- Cultural and Ethnic Community Organizations
- Local Business Associations, such as the Dutchess County Regional Chamber of Commerce
- Youth Organizations and Clubs
- Public Health Agencies and Organizations, such as the County's Health Departments
- Emergency Services (Police, Fire, EMS) and the County's Department of Emergency Response
- Community Service Providers and Nonprofits, such as the North East Community Center, United Way, Family Services, and Hudson River Housing
- Faith-Based Organizations
- Dutchess County Public Transit

Pop-Up Events

- Hudson Valley Wine & Food Festival (Sept 7-8)
- Spirit of Beacon Day (Sept 29)
- Beacon Sloop Club Pumpkin Festival (Oct 16 12pm-5pm)
- Office for the Aging senior picnics
- Poughkeepsie National Night Out (2025)
- TSB bike rodeos and other outreach events
- Dutchess County Fair (August 2025)
- Health Department outreach events

➤ Farmers Markets in:

- » Arlington (Thurs May 30-Oct 28, 2-6pm)
- » Beacon (All year, Sunday 10am-2pm)
- » Bear Creek (Town of Stanford) (May 18-Oct 19, every other Saturday, 8am-2pm)
- » Eastdale Village (May-October, every first and third Sunday, 8am-2pm)
- » Fishkill (Thurs May-Oct, 9am-3pm)
- » Garden Street (April 14 – October 27, Sundays, 10am-2pm)
- » Millbrook (Sat May 18 – Dec 28, 10am-2pm)
- » Millerton (May 18 – Dec 28, Saturdays, 10am-2pm)
- » Hyde Park (May – October, Saturdays, 9:30am-1pm)
- » Pawling (Sat June 15-Sep 28, 9am-1pm)
- » Poughkeepsie Waterfront Market (Tues May 21-Oct 29, 2-5:30pm)
- » Rhinebeck (Sun May 5 – Dec 29, 10am-2pm)
- » Taste NY at Todd Hill (Fridays, Saturdays, Sundays, and Mondays of holiday weekends—Memorial Day, July 4, Labor Day, Indigenous People's Day)

Communication Channels

➤ Email lists, ex:

- » DCTC public information email list
- » BPAC email list
- » Dutchess County Office for the Aging 'Aging News' email
- » Dutchess County Planning Federation email list
- » Dutchess County Mayors and Supervisors (ask to post on municipal websites and at municipal facilities)
- » Cornell Cooperative Extension email list

➤ Websites and Social Media, ex:

- » DCTC YouTube page, Facebook page, and Twitter feed
- » DCTC website and Safety Action Plan webpage
- » Websites of Advisory Committee organizations and engaged stakeholder groups

➤ E-Newsletters, ex:

- » Dutchess County Planning Federation Plan-On-It e-newsletter
- » Hudson Valley River Greenway e-newsletter

➤ Paper flyers with QR code in locations such as:

- » County Transit bus shelters, local libraries, bike shops, stakeholder offices (County Department of Social Services, United Way, Taconic Resources for Independence, Northeast Community Center, Family Partnership Center, Salvation Army, etc.), Walkway Over the Hudson, and posted on rail trails.

➤ Press Releases via County Executive's office (e.g., at the start and finish of the SAP)

Initial Tasks

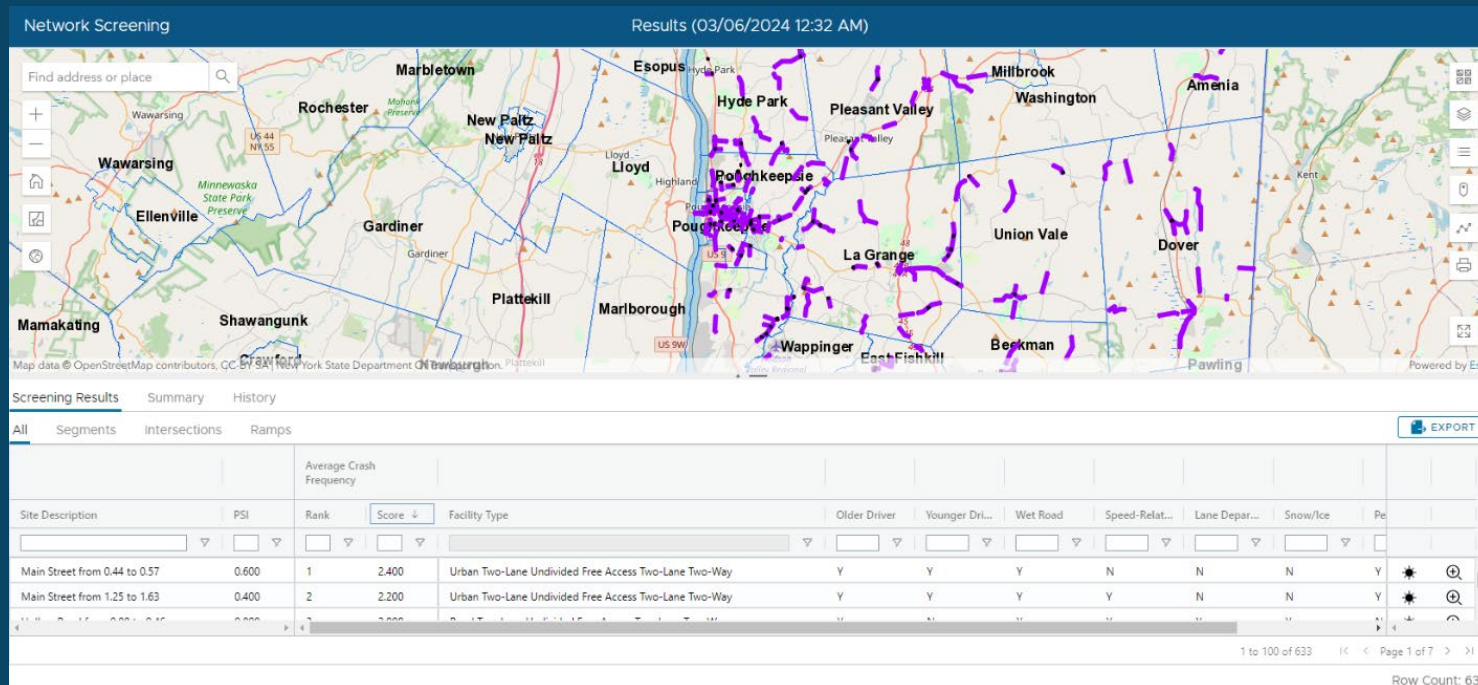
Document Review and Data Analysis



CAMBRIDGE SYSTEMATICS

Data Collection

- NY CLEAR
- Team of experts with hands on experience with NY CLEAR
- Relationship with NYSDOT Safety Group
- Currently leveraging NY CLEAR in NY MPOs and Counties



Safety Data Analysis

➤ Historical Trends Analysis

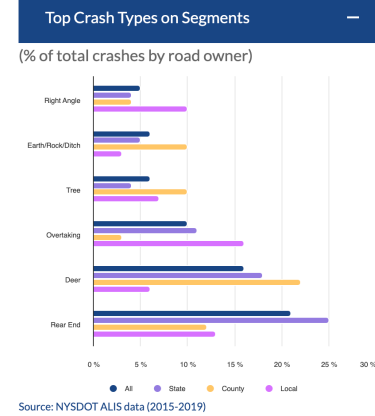
- » Inform Emphasis Areas
- » Guide Network Screening
- » GIS Data Model

➤ Equity Analysis

➤ High Injury Network and Prioritization

➤ Project Identification

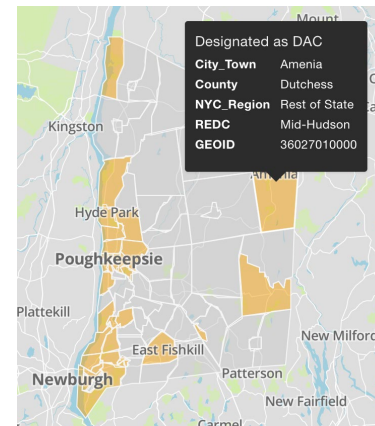
Factor Analysis



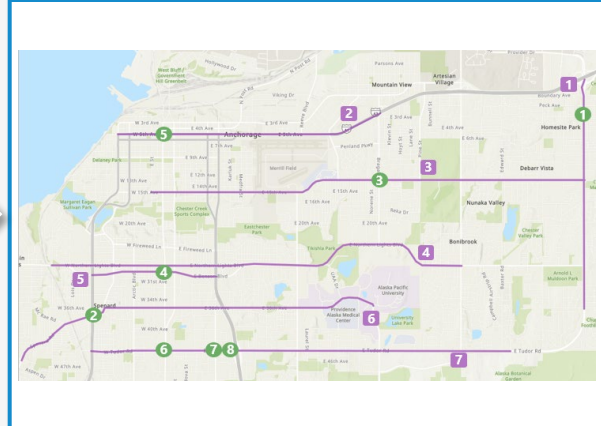
Network Screening



Equity Informed



Priority Safety Network



Planned Documents and Data Resources			
New York State Plans & Resources	Federal Resources	Equity Resources	Dutchess County Resources
▪ NYSDOT Strategic Highway Safety Plan (2023) ▪ NYSDOT Highway Safety Improvement Plan (2020) ▪ GTSC Triennial Highway Safety Plan (2023) and 2023 and 2024 Annual Grant Applications ▪ NYSDOT HSIP current and planned projects in Dutchess County ▪ NYS Pedestrian Safety Action Plan (2016) and PSAP current and planned projects in Dutchess County ▪ NYSDOT Roadway Departure Safety Action Plan (expected 2024) ▪ NYSDOT Highway Safety Improvement Program Procedures And Techniques (2023) ▪ NYSDOT Vulnerable Road Users Safety Assessment (2023)	▪ NHTSA's Countermeasures that Work ▪ FHWA Proven Safety Countermeasures ▪ The National Roadway Safety Strategy (2024) ▪ Safe Streets and Roads for All (SS4A) Grant Program ▪ The FHWA Systemic Safety Project Selection Tool (2013) ▪ FHWA Safe System Roadway Design Hierarchy (2024) ▪ NCHRP 500 Guides	▪ The Council on Environmental Quality (CEQ) Climate and Economic Justice Screening Tool ▪ The SS4A Underserved Communities Census Tracts map ▪ USDOT's Equitable Transportation Community Explorer (2024) ▪ DCTC's Moving Dutchess Forward equity analysis	▪ DCTC Long-Range Transportation Plan, Moving Dutchess Forward (2021) ▪ DCTC Safety Assessments (2013+) ▪ A recent DCTC High-End Speeding Analysis ▪ A recent Dutchess County Large Truck Crash Analysis ▪ Dutchess County's "Watch Out For Me" Complete Streets Education program (for potential refreshment) ▪ DCTC Public Participation Plan (2022) ▪ DCTC's Complete Streets Policy (2016) ▪ DCTC's Walk Bike Dutchess Plan (2014) ▪ Relevant DCTC planning studies ▪ Relevant planning documents by the Mid-Hudson Transportation Management Area (TMA) ▪ Meeting materials from DCTC, Dutchess County Complete Streets Committee, and DCTC's BPAC ▪ Other relevant documents or guidance identified by the DCTC or project team

Closing and Next Steps

Open Discussion

What are your first impressions about the project and process?
Any questions or comments?

What about traffic safety opportunities in Dutchess County?

Can you think of any traffic safety challenges in Dutchess County?

Next Steps

- Final Engagement Plan
- Document Review
- Data Collection
- Trends Analysis
- Network Screening
- Next Advisory Committee Meeting – End of November/Early December (Date TBD)