



Delaware Highway Safety Summit

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Dover Kent County MPO

- Dover Kent MPO has existed since 1992
- Cover Kent County – 586 square miles, 3 cities and 17 towns
- Population – 181,851, 12% increase since 2010, 44% increase since 2000
- Long-range plan or MTP (Metropolitan Transportation Plan)
 - What Kent County will need over the next 20-25 years
 - “Innovation 2045” adopted January 2021 – www.doverkentmpo.org/innovation2045
 - Update every four years, in progress
 - Use the MTP to create a TIP (Transportation Improvement Plan) – goals and priorities for the immediate four years
 - Must match DeDOT priorities/plan
 - Amended as new projects are studied and recommendations are made

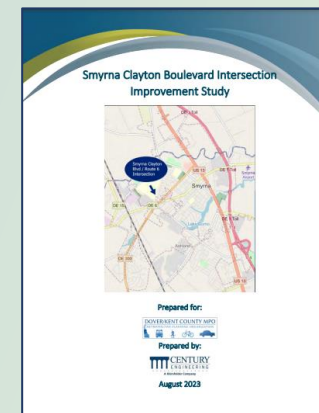
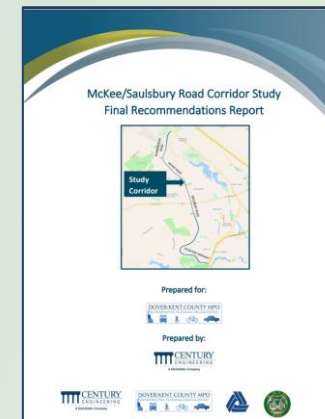
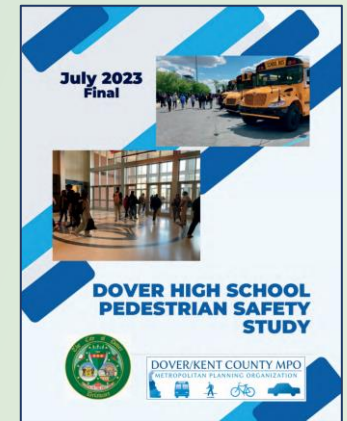


2021 MTP Project Count as of 13 August 2020				
	Near Term 2021-2026	Mid Term 2027-2034	Long Term 2035-2045	Aspiration Project
Roadway	22	27	3	1
Studies	0	0	0	45
Multi-Modal	10	10	2	9
Bicycle	8	11	3	0
Pedestrian	9	4	2	0
Transit	3	0	0	0
Freight	5	5	0	0
Safety	4	0	0	0
Total	61	57	10	55
Combined Total	183			
	There are 12 Roadway projects which continue into another Term (10 Near into Mid and 2 Mid into Long). So, in reality, there is only 171 Projects			

Innovation 2045 MTP Project Cost by Type and Term (as of August 13, 2020)				
Project Type	Near Term (2021-2026)	Mid Term (2027-2034)	Long Term (2035-2045)	Aspiration Projects
Roadway	\$65,443,400.00	\$211,396,200.00	\$80,188,000.00	\$2,500,000.00
Study	\$0.00	\$0.00	\$0.00	\$2,200,000.00
Multi-modal	\$42,087,500.00	\$18,962,000.00	\$4,728,000.00	\$2,550,000.00
Bike	\$18,400,000.00	\$23,740,000.00	\$7,092,000.00	\$0.00
Pedestrian	\$15,740,000.00	\$5,678,000.00	\$1,900,000.00	\$0.00
Transit	\$14,921,400.00	\$0.00	\$0.00	\$0.00
Freight	\$2,875,000.00	\$26,525,000.00	\$0.00	\$0.00
Safety projects	\$58,400,000.00	\$0.00	\$0.00	\$0.00
Total	\$217,867,300.00	\$286,301,200.00	\$93,908,000.00	\$7,250,000.00
Total + Aspiration Projects	\$605,326,500.00			

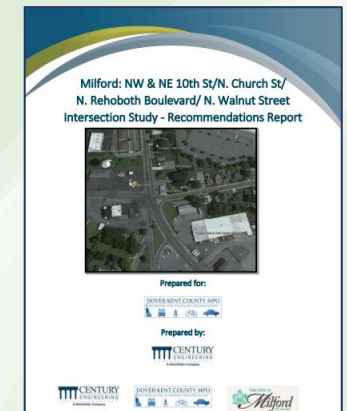
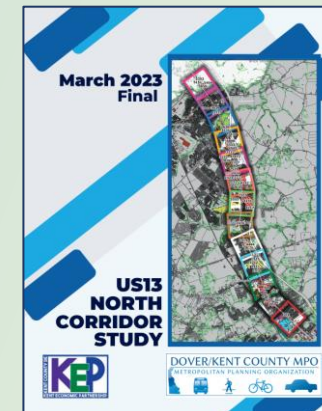
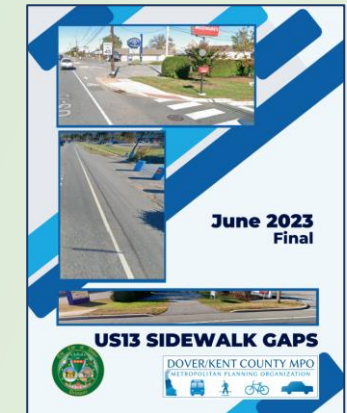
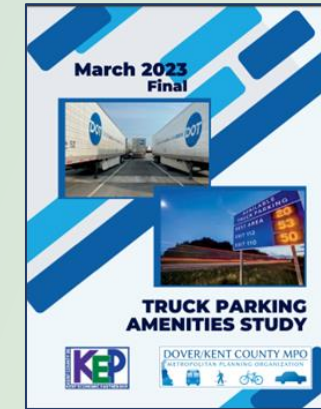
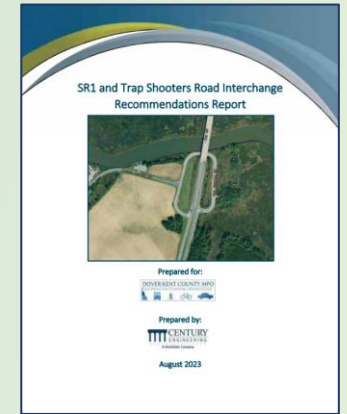
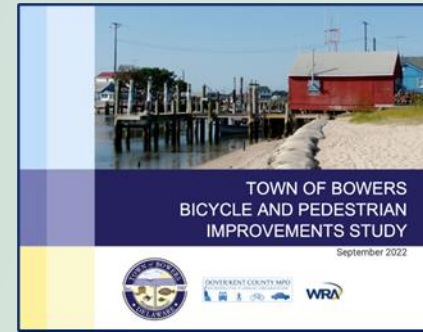
Recently Completed Projects

- Bay Road Path & Walking Trail Connections (Dover)
- Dover High School Walk Zone Sidewalk Study
- Kent County Airports Inventory
- Kent County Rail Corridor Land Use Study
- McKee / Saulsbury Road (Dover)
- Smyrna-Clayton Boulevard Study



Recently Completed Projects (cont.)

- Town of Bowers Bicycle and Pedestrian Improvements
- Trap Shooters Interchange Study
- Truck Parking Amenities Study
- US13 North Corridor Plan (Dover)
- US13 Sidewalk Gap Identification Study (Dover)
- NW & NE 10th St/N. Church St/N. Rehoboth Boulevard/ N. Walnut Street Intersection Study (Milford)



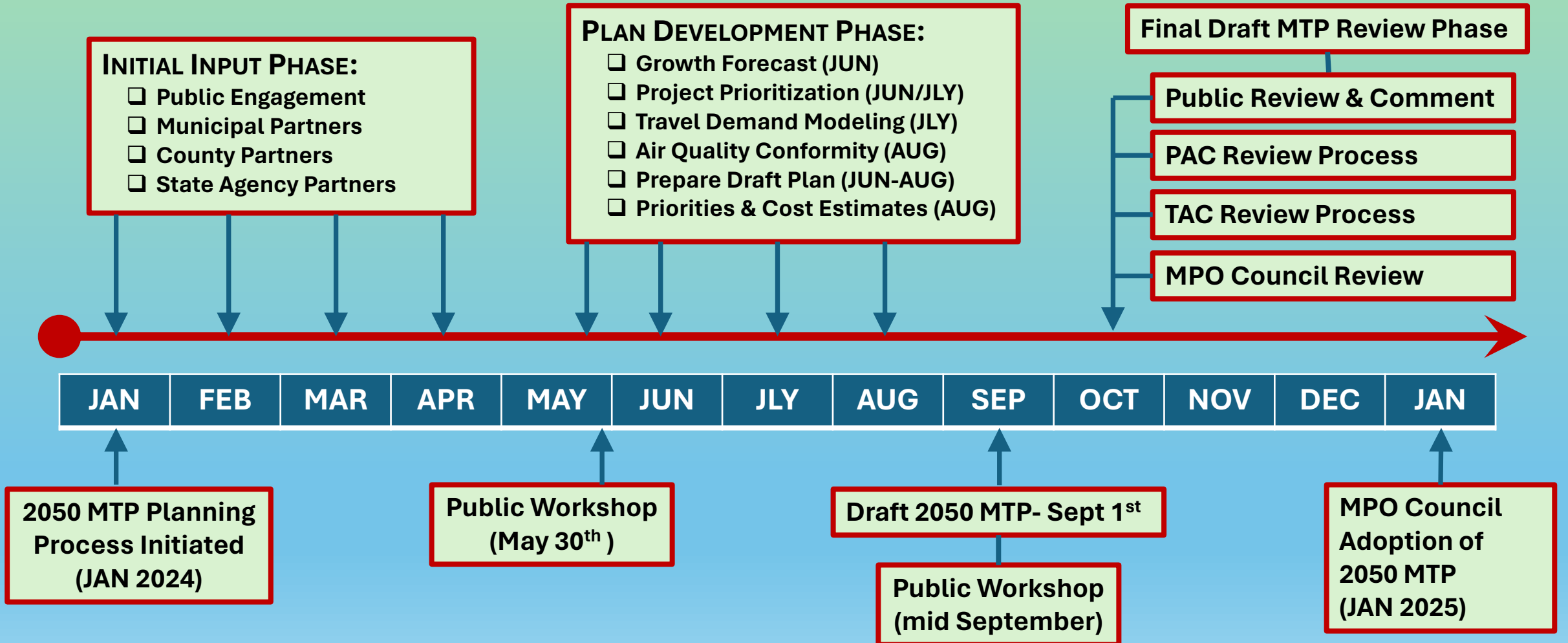
Innovations 2050 – MTP (long-rang plan)

- Vision - *“The future transportation system in the Dover Kent County Metropolitan region is safe, resilient, and sustainable, supports economic development, allows easy access and mobility for all people and goods to reach their destinations, and serves desired growth patterns in a manner that is fair and just to all people and respectful of community character and our natural environment.”*
- What’s in the Plan?
 - Long Range Plan (25-year Horizon) – updated every 4 years
 - Our Vision for Transportation Services in Kent County
 - Goals and Objectives: Near- and Long-Term
 - Growth and Travel Demand Forecast
 - Operations and Management Plan
 - Financing Plan for Implementation
- Primary Themes
 - Enhanced Mobility – Network Continuity
 - Inter-Jurisdictional Coordination and Concurrency
 - Economic Vitality
 - Social Equity
 - Resiliency and Sustainability
 - User Experience



INNOVATIONS 2050

2024 Dover Kent MPO Metropolitan Transportation Plan



How Does **Safety** Fit into All of This?

- Safety is the #1 prioritization criteria for Dover Kent MPO
- Safety criteria includes:
 - Bike/ped safety
 - Roadway safety
 - Safety Performance Measures (PM1 FHWA)
- Safety is 23.73% of the weighted total prioritization score

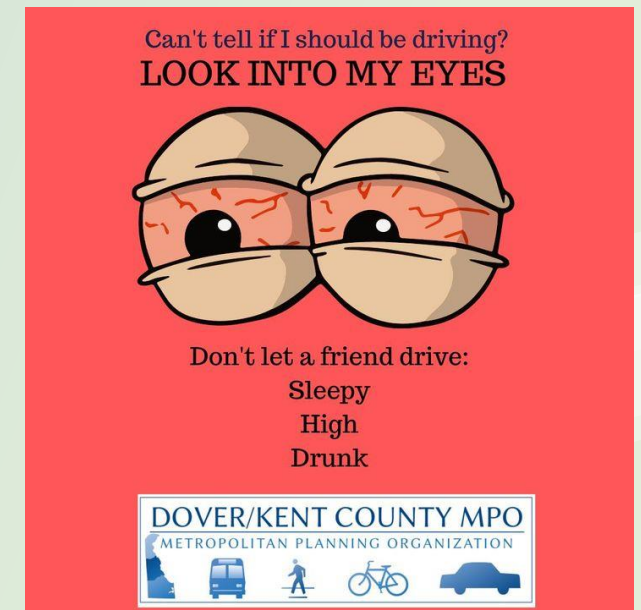
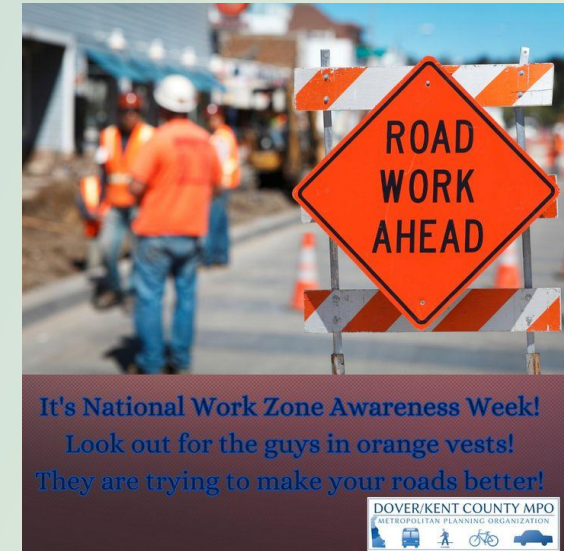
The Safe System Approach

- Death/serious injury is unacceptable
- Humans make mistakes
- Humans are vulnerable
- Responsibility is shared
- Safety is proactive
- Redundance is crucial



Safety Education & Promotion

- Dover Kent MPO Social Media
- Kids Printable Activities on the MPO website
<https://doverkentmpo.delaware.gov/kids-activities/>
- Reflective Slap Bracelets
- Bike Lights



June 6, 2023 – Equity Roundtable



When considering equity in transportation, three concepts emerge: **Safety**, Accessibility, Connectivity

- Multi-modal design in low-income communities often doesn't prioritize safety as much as in wealthier areas
- Lack of sidewalks and bike lanes
- People in low-income communities are disproportionately affected by traffic-related deaths – urgent problem that needs to be addressed
- Need to ensure safe transportation for everyone, regardless of how much money they have, their age, their abilities or their race/ethnicity

June 6, 2023 – Equity Roundtable (cont.)

- **Safety specific recommendations**

- Driver's Education State curriculum to include bicycle and pedestrian safety, Amish awareness, and best practices
- Provide reflective string-pull backpacks to walkers and bicyclists
- Improve bus stop shelters, including cameras for safety
- Provide designated ride-share locations with shelters
- Install bike repair stations that include phone charging
- Require flashing lights at crosswalks
- Ensure crosswalks allow enough time for elderly or disabled pedestrians to cross



MPO Virtual Reality Experience

- Leverage virtual reality technology
- Four modules:
 - A simulated safety problem (i.e. someone crossing the street, riding a bike, navigating a roundabout); reflect mistakes, ask questions, the result will be positive or negative
 - The “Think Like A Planner” game, where students can build their own roads and streetscapes
 - The MPO’s “Money Game” where folks can prioritize transportation issues in a fun way; this module will specifically support development of the MPO’s upcoming MTP
 - A “seminar” type room where people can learn about what the MPO does, and why they should care



FHWA SS4A Planning Grant

- Earlier this year, Dover Kent MPO was awarded a Safe Streets and Roads for All (SS4A) Planning Grant
- Develop a Safety Action Plan for Kent County
 - Tools to strengthen Kent County municipalities' collective approach to roadway safety and injury prevention
 - Have a positive impact towards the goal of zero roadway fatalities in Kent County and the State of Delaware

ZERO IS OUR
GOAL
A SAFE SYSTEM IS HOW WE GET THERE

Action Plan Components (Required)

- Leadership Commitment and Goal Setting
- Planning Structure
- Safety Analysis
- Engagement and Collaboration
- Equity Considerations
- Policy and Process Changes
- Strategy and Project Selections
- Progress and Transparency

**Interconnected
Coordinated
Comprehensive across
communities**

FHWA SS4A Planning Grant (cont.)

- Goal = develop holistic, well-defined strategies to prevent roadway fatalities and serious injuries in Kent County communities
- Use the findings to work towards near-term, mid-term, and long-term solutions to roadway safety issues in their own communities
- Position municipalities to submit demonstration and implementation project applications in the next round



Thank you!

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