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Cheswold US13 Pedestrian Safety and Connectivity Study

April 2024

Summary of Findings

- US13 in Cheswold has incomplete pedestrian amenities
- New development is likely to increase the number of pedestrians
- A network of sidewalks, bicycle paths, and other improvements could greatly improve safety in the corridor



Research Process

- Mapping
- Literature review
- Fieldwork
- Pedestrian counts
- Outreach



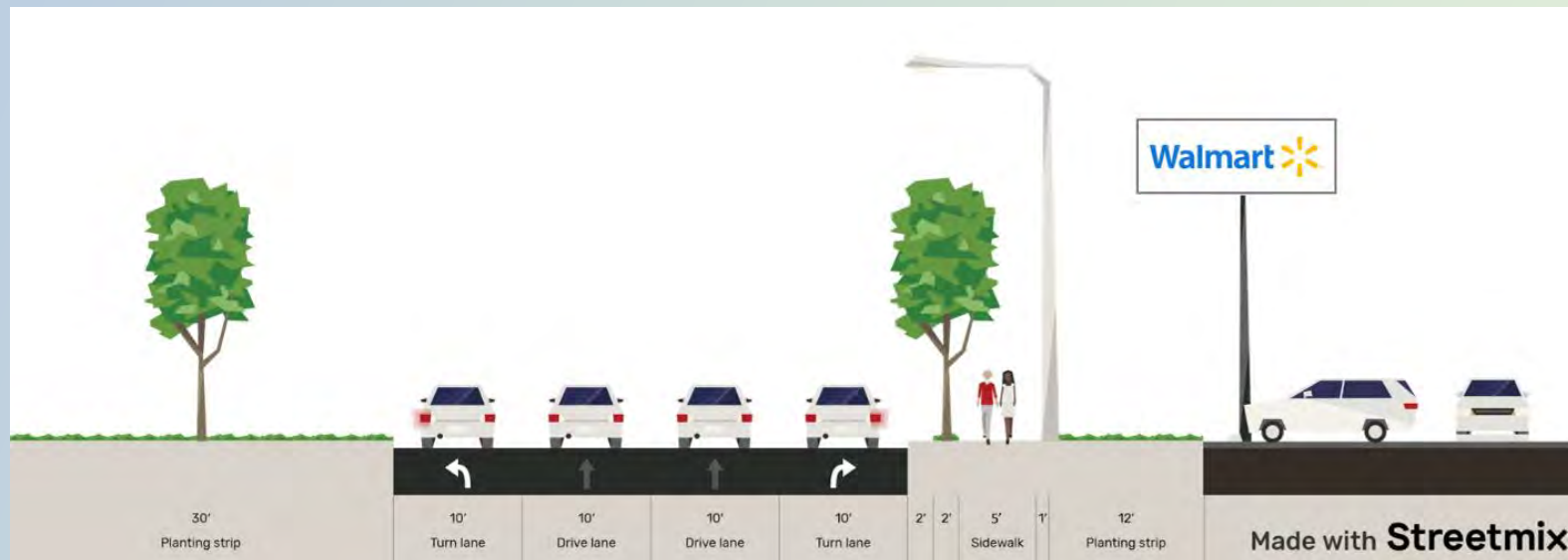
Outreach

- Heritage Day – September 30, 2023
 - Engaged with the public at a scheduled event
 - Collected survey data using sticky notes
- Redner's table event – February 5, 2024
 - Collected feedback on recommendations
 - Generally positive reception of separated path







Recommendations





- Complete the network of sidewalks/shared use paths on US13 between Main Street and Walmart
- Add crosswalks at critical locations on US13 and Main Street
- Improve DART bus stop locations
- Calm traffic as it approaches Cheswold







Recommended Improvements

Location	Type of Improvement	Status	Benefit	Jurisdiction	Approximate Path Length	Cost Estimate	Image
A. US13 between Main Street and Jerome Drive (western side of US13)	Shared use path (10 ft), driveway crossings	Partially complete	Safer conditions for bicyclists and pedestrians, north-south connectivity	DelDOT (roads), Town of <u>Cheswold</u> and Kent County (boundaries)	2,400 ft total (1,800 ft incomplete)		
B. US13 between Jerome Drive and Rose Bowl Road (western side of US13)	Shared use path (10 ft), driveway crossings	Partially complete	Safer conditions for bicyclists and pedestrians, north-south connectivity	DelDOT (roads), Kent County (boundaries)	2,250 ft total (1,950 ft incomplete)		
C. US13 between Main Street and Jerome Drive (eastern side of US13)	Shared use path (10 ft), driveway crossings	Partially complete	Safer conditions for bicyclists and pedestrians, north-south connectivity	DelDOT (roads), Town of <u>Cheswold</u> and Kent County (boundaries)	2,400 ft total (1,900 ft incomplete)		
D. US13 between Jerome Drive and Rose Bowl Road (eastern side of US13)	Shared use path (10 ft), driveway crossings	Partially complete	Safer conditions for bicyclists and pedestrians, north-south connectivity	DelDOT (roads), Kent County (boundaries)	2,250 ft total (1,350 ft incomplete)		

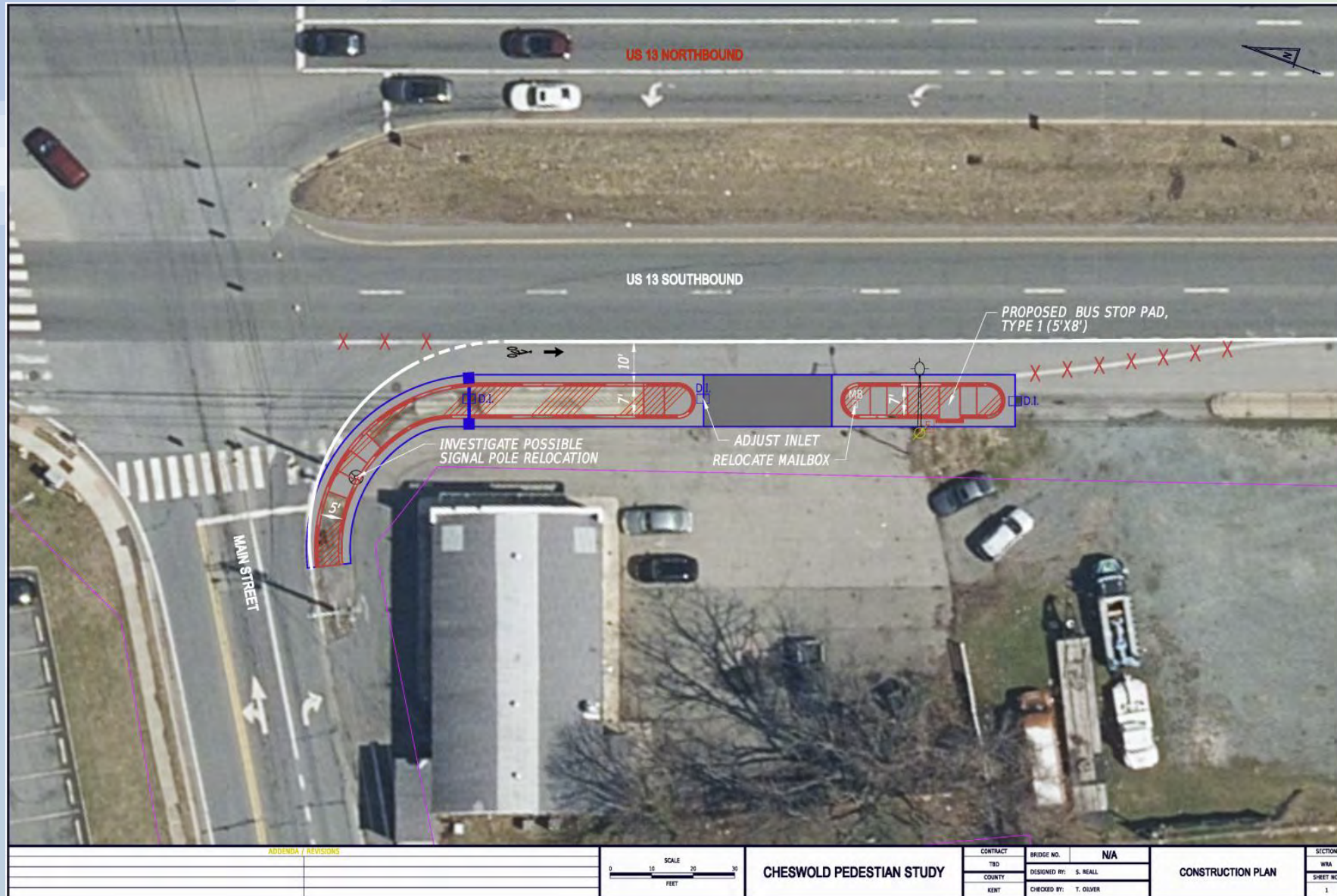
Recommended Improvements

Location	Type of Improvement	Status	Benefit	Jurisdiction	Approximate Path Length	Cost Estimate	Image
E. Intersection of US13, Main Street, and Fast Landing Road (DE42)	Additional crosswalk with pedestrian signal	Not complete	Safer conditions for all users, connectivity across US13	DelDOT (roads), Kent County (boundaries)	130 ft (crosswalk)		
F. Intersection of US13, Main Street, and Fast Landing Road (DE42)	Improved righthand turn (eastbound on Main Street)	Not complete	Safer conditions for all users	DelDOT (roads), Kent County (boundaries)	N/A		
G. Intersection of US13 and Pinewood Acres Ave	Signalized intersection, crosswalk with pedestrian signal	Not complete	Safer conditions for all users, connectivity across US13	DelDOT (roads), Kent County (boundaries)	120 ft (crosswalk)		
H. Main Street between US13 and Commerce Street	Midblock crossings (x3), ADA curb ramps	Scheduled under TAP	Safer conditions for bicyclists and pedestrians, connectivity across Main Street	DelDOT (roads), Town of Cheswold (boundaries)	60 ft (crosswalk)		

Recommended Improvements

Location	Type of Improvement	Status	Benefit	Jurisdiction	Approximate Path Length	Cost Estimate	Image
I. Intersection of US13, Main Street, and Fast Landing Road (DE42)	Bus stop improvements (x2), including shelter and pad	Not complete	Improved experience for DART riders	DeIDOT (roads), Kent County (boundaries)	N/A		
J. Intersection of US13, Main Street, and Fast Landing Road (DE42)	Small, low-maintenance shrubs in US13 median	Not complete	Traffic calming	DeIDOT (roads), Kent County (boundaries); requires DeIDOT maintenance agreement	N/A		
K. Intersection of US13, Main Street, and Fast Landing Road (DE42)	"Welcome to Cheswold" signage	Not complete	Traffic calming	DeIDOT (roads), Kent County (boundaries); requires DeIDOT maintenance agreement	N/A		
L. US13 between Main Street and Rose Bowl Road	Improved lighting on side of road	Partially complete (very few existing lights)	Improved visibility and overall safety	DeIDOT (roads), Town of Cheswold and Kent County (boundaries), property owners (land)	N/A		

Sample Design for US13 Righthand Turn



Solutions Excluded from Analysis



Pedestrian bridge over US13
(Not cost-effective or conducive to pedestrian safety)



Rapid Flash Beacon (RFB) and midblock crossing
(Not appropriate for conditions of US13)

Current Timeline

- PAC recommendation – April 11
- TAC recommendation – April 16
- MPO Council approval – May 1



Questions?

Send us an email:

michael.petitdemange@doverkentmpo.org
malcolm.jacob@doverkentmpo.org

Thank you!