

OR, the Maryland/Monroe/MLK Study WILMAPCO PAC, December 14, 2020







# WILMAPCO PAC Meeting December 14, 2020

## AGENDA

- Project Background
- Review of Transportation Alternatives (A,B,C,D)
- DTC Monroe Street Feasibility Study/Master Plan
- Public & Stakeholder Outreach
- Next Steps

# 5-Point

## **Project Background**

- The intersection experiences heavy congestion in the AM peak – traffic can back up onto the I-95 exit ramp and the highway
- In 2008, Madison St became a two-way street, which added a new signal phase and created more congestion
- The intersection of Maryland Ave, MLK Blvd and Madison St was studied in 2009 and 2011
- The project was never added to the TIP/CTP
- Wilmington Initiatives partners added a UPWP request for 2018 to complete the study







## **CRITERIA MATRIX**

CRITERIA		TRANSPORTATION						STAKEHOLDER CONCERNS			GATEWAY ENHANCEMENT OPPORTUNITIES		ENVIRONMENTAL			соѕт
Measure	Vehicle Conflicts and Crash Potential	I-95 Ramp Congestion and Queues During Peak Hour(s)	City Streets Congestion and Queues During Peak Hour(s)	Efficient Transportation Grid	Pedestrian Network	Bicycle Network	Opportunities for Economic Development	DTC Operations and Parking	Delmarva Access, Circulation and Customer Parking	Medical Examiner Parking	Wayfinding/ Destination Signage	Aesthetics/ Lighting	Historic	Social/ Environmenta Justice	Green Infrastructure Opportunities	Cost Estimate
No Improvements	•	•	•	•	•	•		•	•	•		•	0	•	0	0
Alt. A Two-way Monroe St.		0					<b>O</b> '	*		O			$\bigcirc$	0		57.6M
Alt. B One-way Monroe St. with Chestnut St. extended	0	0						•	•	•	•		$\bigcirc$	0		\$8.4M
Alt. C Private Monroe St. / Two-way Maryland Ave.		0						%					$\bigcirc$	0		\$7.8M
Alt. D I-95 Split Ramp			0				•	*	0	0	•		0	0		\$35.6

1 - Dependent on Concept from DTC Study

\* with Structured Parking

Safety & Capacity Improvement Study for 5-Point Intersection



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Alternative A: Two-Way Monroe Street

### Safety & Capacity Improvement Study for 5-Point Intersection

### 5-Point Wilmington

Alternative B: One-Way Monroe Street with Chestnut Street Extended



### Safety & Capacity Improvement Study for 5-Point Intersection

### 5-Point Wilmington

Alternative C: Private Monroe Street/ Two-Way Maryland Avenue



### Safety & Capacity Improvement Study for 5-Point Intersection

# 5-Point



Alternative D: I-95 Split Ramp





## **CRITERIA MATRIX**

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Alt. A Two-way Monroe St.	0				0			*	O				$\bigcirc$	0		57.6N
Alt. B One-way Monroe St. with Chestnut St. extended	0	0						•					$\bigcirc$	0		\$8.4
Alt. C Private Monroe St. / Two-way Maryland Ave.		0			0			%					$\bigcirc$			\$7.80
Alt. D I-95 Split Ramp	0	٠	0		0		•	*	0	0	•		$\bigcirc$	0		\$35.6

1 - Dependent on Concept from DTC Study

\* with Structured Parking





# DTC Monroe Street Feasibility Study/Master Plan

### Site Circulation / Parking

- Address site circulation once Monroe St. becomes 2 way divided
- Separate bus park, vault, fuel/wash from maintenance traffic
- Provide parking for 125 +/- buses (preferably in one area)
- Provide covered parking for buses
- Provide parking for DTC employees and support vehicles
- Provide parking for Delmarva employees
- Consider decked structure

### Building Program

- Consider phasing
- Increase Maintenance bay widths
- Provide more tire storage (interior) next to work area
- Provide additional Break Room and Locker Room area
- Provide additional support space for offices (copy, training,)



## DTC Monroe Street Feasibility Study/Master Plan

### Developed Parking/Garage/Access Concepts (Used Alternative A as base alternative)

- Concept 1: Decking over Lot 1 and Lot 6; Surface Parking on lot west of Chestnut Extended
- Concept 2: Decking over Lot 6 and lot west of Chestnut Extended; Surface Parking on Lot 1 (Not developed in more detail)
- **Concept 3**: Decking over Delmarva and Reybold lots west of Chestnut St; Surface parking Lots 2 and 6
- Concept 4: Surface Bus Parking on Lot 1; New Maintenance Building on Lot 6. Concept included with or without employee garage
- Developed Proposed Building Program 47,900 SF (on 2 floors) vs. 29,200 SF Existing
  - Maintenance Building: 27,000 sf footprint
  - Fuel/ Wash: 2 bays
  - Operations Offices: Increased SF
  - Breakroom/ Lockers : Increased SF and lockers





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## **Concept 3**



#### **DTC Monroe Facility**

#### **Cost Estimates**

16-Jun-20

	Co	ncept 1	Co	ncept 3	Concept 4	Concept 4 w/ Employee Garage	
	Bus Parking on Top	Bus Parking on Bottom	Bus Parking on Top	<b>Bus Parking on Bottom</b>			
Buildings	\$36,130,890	\$36,130,890	\$36,130,890	\$36,130,890	\$36,130,890	\$36,130,890	
Parking Structure	\$30,921,660	\$30,921,660	\$25,821,180	\$25,821,180	\$0	\$17,123,040	
80% Solar Panel Cover	\$21,859,200	\$0	\$18,899,100	\$0	\$0	\$0	
Other Site Costs	\$10,813,250	\$10,812,450	\$12,008,830	\$12,007,930	\$9,829,110	\$9,831,070	
Total Cost Estimate	\$99,725,000	\$77,865,000	\$92,860,000	\$73,960,000	\$45,960,000	\$63,085,000	
Bus Parking Spaces	110 +/-	120 +/-	146 +/-	127 +/-	140 +/-	140 +/-	
Employee Parking Spaces	520 +/-	380 +/-	460 +/-	400 +/-	159 +/-	300 +/-	

\*Assumes Solar Panels not needed for Bus Parking on Bottom since buses will be covered, but could be added later for energy reasons

\*If Concept 4 is modified to allow two way access to Lot 1 from Chestnut Street, then Bus Parking Spaces are reduced 5-10 spaces

\*Delmarva needs 225 +/- Employeee Parking Spaces

\*DTC needs 100+ Employee Parking Spaces

\*Total Cost Estimate does not Include real estate costs



## **Public & Stakeholder Outreach**

- Wilmington Initiatives Open House Workshop, June 20, 2018
- Kick-off Meeting with Stakeholders, May 20, 2019
- Wilmington Initiatives Open House Workshop, June 19, 2019
- Wilmington Initiatives Open House Workshop Cancelled due to COVID-19 Restrictions
- Phase II Garage Feasibility Stakeholder Kick-off, February 26, 2020
- Stakeholder (DTC) Working Meetings, April 15 & June 16, 2020
- Stakeholder Update Meeting, November 5, 2020





# **Next Steps**

- Finalize Study Recommendations & Develop draft Report
- Review report with Wilmington Initiatives (PMC)
- **Action Item for WILMAPCO TAC on December 17**
- Action Item for WILMAPCO Council on January 14







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# **Questions?**



http://www.wilmapco.org/maryland-monroe-mlk/