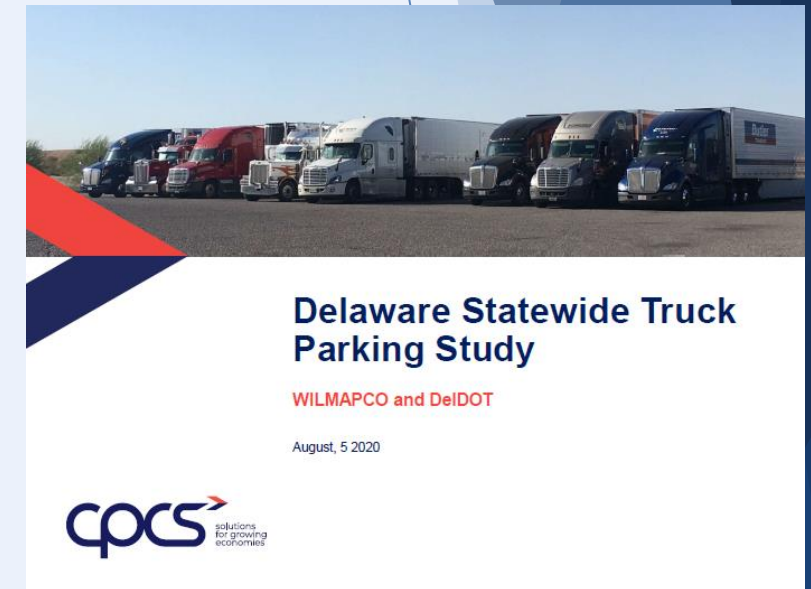




# Freight Planning Studies Update



February 2021

# Freight & The FAST Act

- Signed into law Public Law 114-94 in 2015
- Funds surface transportation programs
- Improves mobility on America's highways
- Creates jobs and supports economic growth
- Accelerates project delivery and promotes innovation
- **Added funding dedicated to freight**
- Added 10 Requirements to State Freight Plans

\$1.2 B / year (average), apportioned to States by formula

Fiscal year	2016	2017	2018	2019	2020
Estimated funding (in billions)	\$1.14	\$1.09	\$1.19	\$1.34	\$1.49

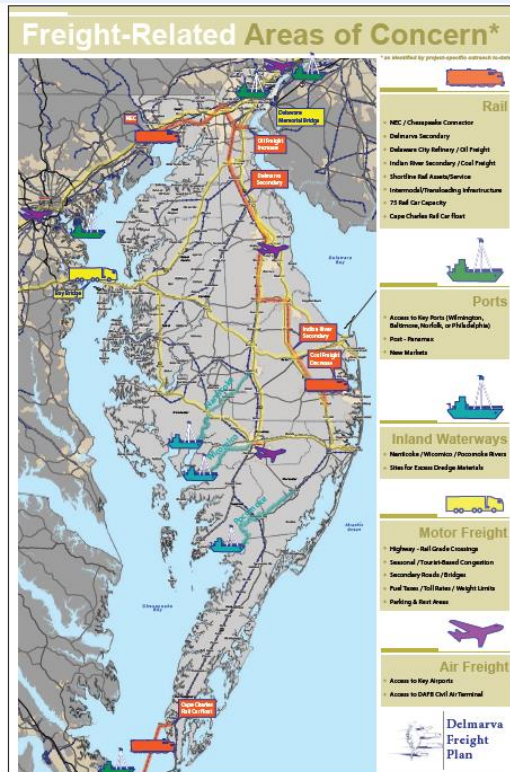
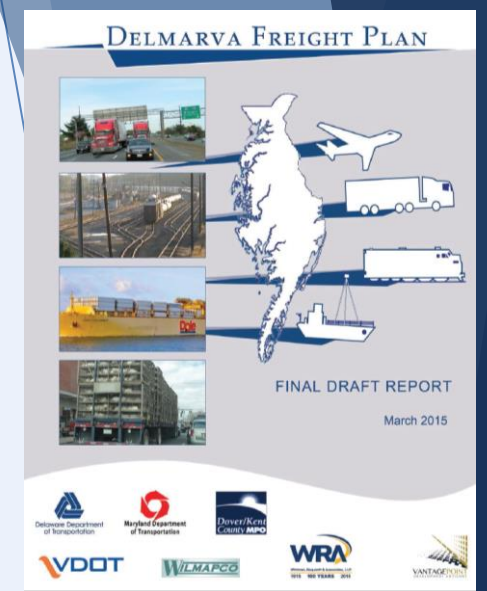
- Approx. \$4.5 million for DE, \$17 million for MD annually

1. Freight System Trends, Needs, and Issues
2. Freight Policies, Strategies, and Performance Measures
3. Freight Network Facilities (Multi-modal & CUFC/CRFC)
3. National Freight Policy/Program Support
4. Innovative Technology Consideration

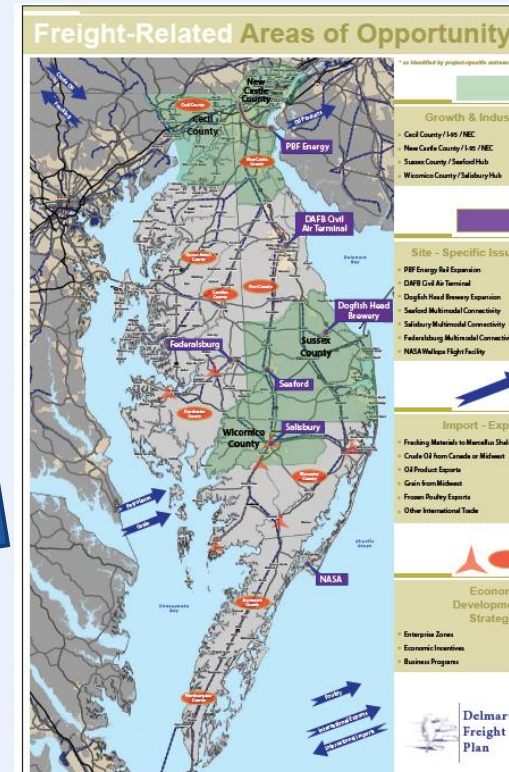
6. Roadway Deterioration Issues and Mitigation Strategies
7. Freight Mobility Issues and Mitigation Strategies
8. Freight Induced Congestion and Mitigation Strategies
9. Freight Investment Plan (Fiscally Constrained)
10. State Freight Advisory Committee Consultation

# Freight & The FAST Act

- 2015 Development of Delmarva Freight Plan (Updated in 2017)
- Feedback from Shippers, logistics and supply chain community
- Gave guidance on initiatives to pursue as part of Strategic Freight Goals:
  1. Economic Vitality
  2. Freight Connectivity, Mobility & Accessibility
  3. Safety & Security
  4. System Management, Operations & Maintenance
  5. Sustainability & Environmental Stewardship



Feedback and Goals from Plan help feed our planning "To-Do List"

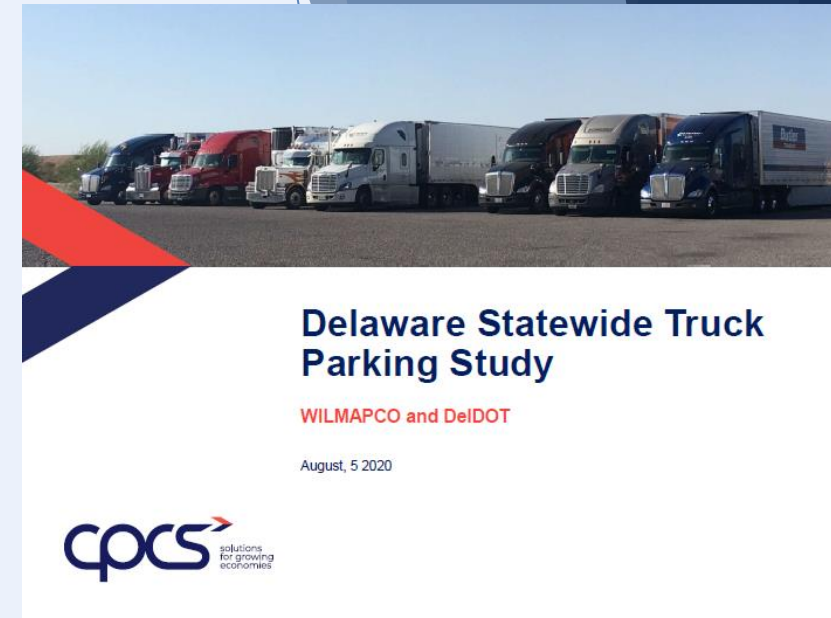




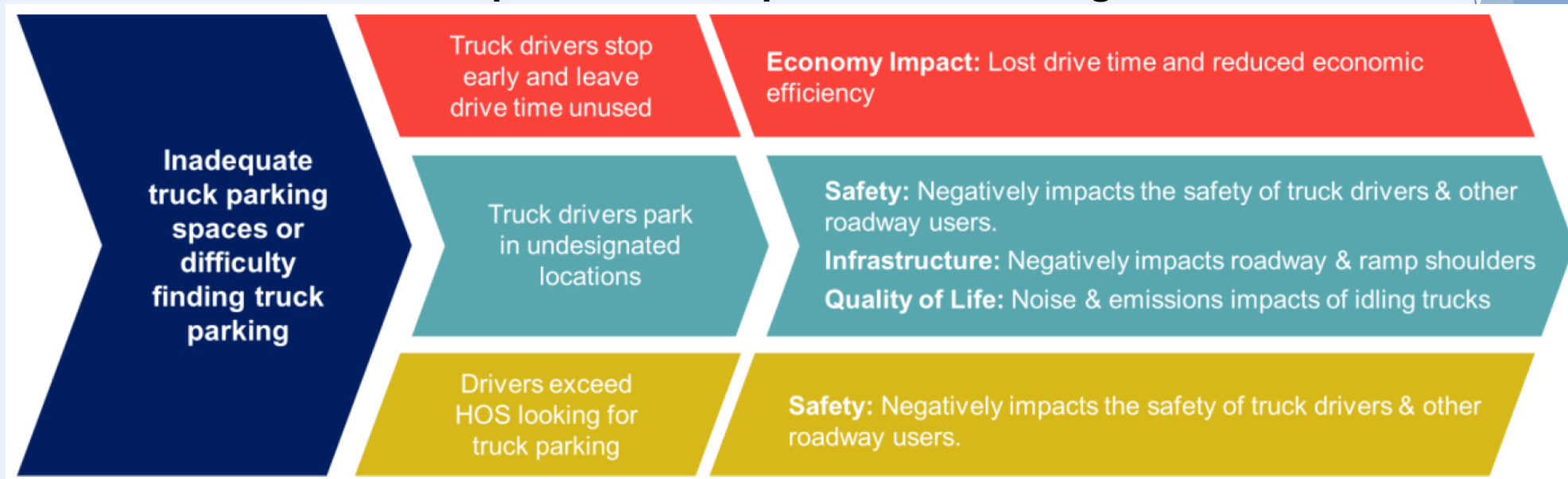
# Delaware Statewide Truck Parking Study

## Overall objective:

- Address overnight parking hotspots as well as more localized, shorter-term truck parking and staging needs within the State of Delaware. An additional focus of this effort will include regular engagement with the local trucking community to help validate future strategies and recommendations.



## Impacts of Inadequate Truck Parking



# Delaware Statewide Truck Parking Study

Two-part approach:

1. Address the requirements set by MAP-21 and Jason's Law for addressing truck parking along the interstate system
2. Address more localized, shorter-term truck parking and staging within the State of Delaware

## Task 1: Truck Parking: The National Perspective

- Jason's Law, Current Major parking inventory
- National Trends

## Task 2: Existing Local Truck Parking Conditions

- More local perspective
- Use of focus group

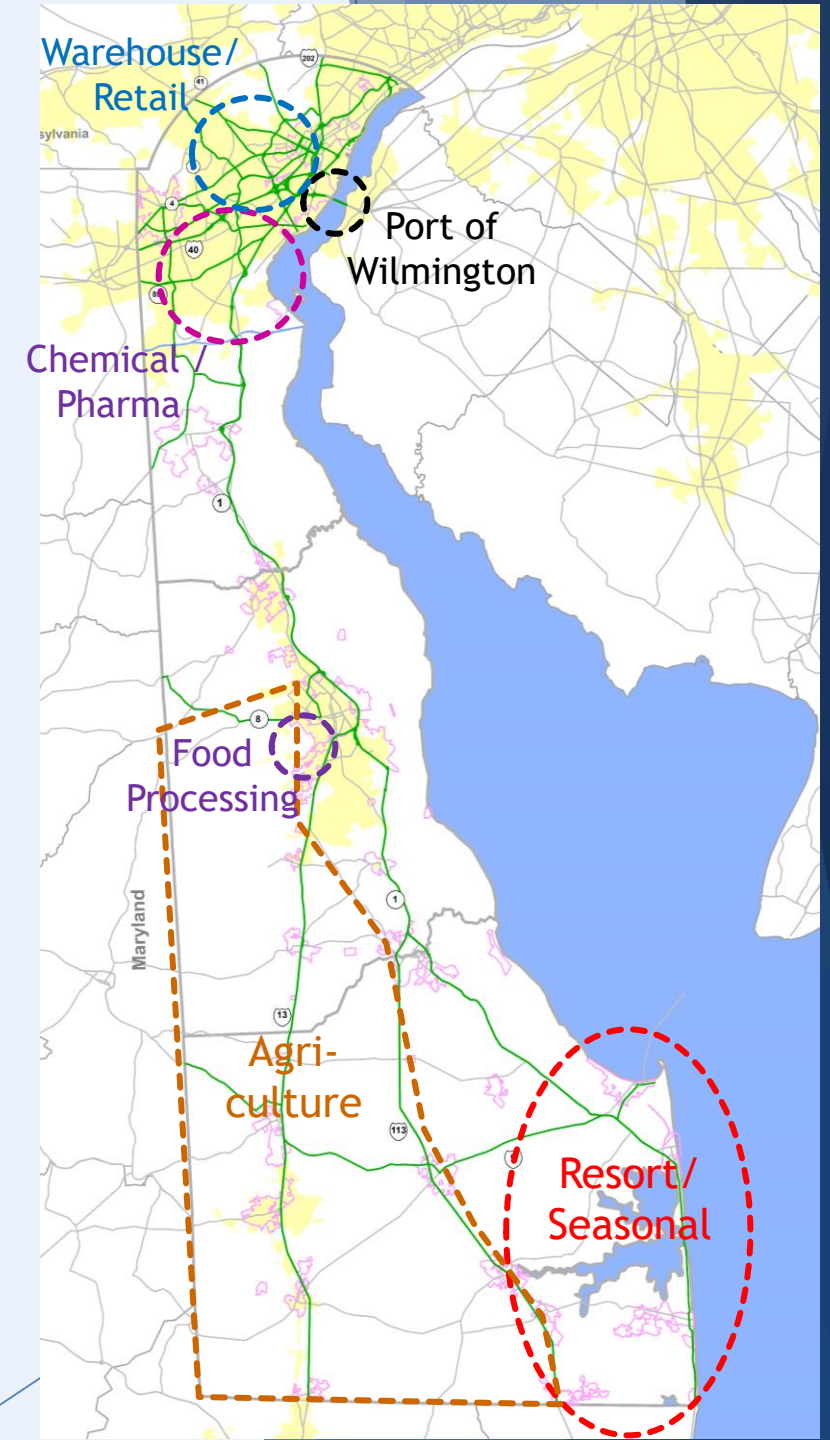
## Task 3: Overnight Parking Analysis

- Examine concentration of overnight parking (designated/undesigned)
- Seasonal variations and industry patterns

## Task 4: Findings and Focus Group Workshop

- Possible physical/technology changes

## Task 5: Strategies and Recommendations



# Delaware Statewide Truck Parking Study

## Key Study Questions to Answer:

### Truck Parking Inventory and National Best Practices

- What recent studies, data collection efforts, and fieldwork are relevant to understanding Delaware's truck parking needs, opportunities, and identifying potential solutions?
- What is the supply of truck parking spaces at public and private truck parking locations in Delaware?
- How does the truck parking supply and demand in Delaware compare to neighboring states?
- How do national and regional freight forecasts and ongoing initiatives impact truck parking in Delaware?

### Designated and Non-Designated Truck Parking Analysis

- What is the utilization of public and private truck parking locations?
- What are the factors influencing truck parking demand statewide?
- What are the primary truck parking concerns of the trucking industry in Delaware?
- What patterns and gaps emerge for overnight parking hotspots and time of day usage in both designated and non-designated parking areas?
- What is needed to improve the safety standard of truck parking locations?
- What amenities could be added to incentivize truck parking at underutilized locations?

### Findings, Strategies, and Recommendations

- What are Delaware's capacity, operational, safety, institutional, and policy truck parking issues?
- Where are the truck parking needs most acute, by corridor and general location?
- What solutions (e.g. policies, capacity projects, ITS programs, public-private partnership, other technology) address Delaware's truck parking issues?
- What roles do MPOs and DeIDOT have in advancing truck parking and how can truck parking be incorporated into existing plans/programs?
- What are the recommended next steps to continue Delaware's truck parking efforts?
- What case studies or examples best highlight successful implementation approaches that mirror the study's recommendations?
- What are the high level estimated costs, location, and implementing agency for the recommendations?

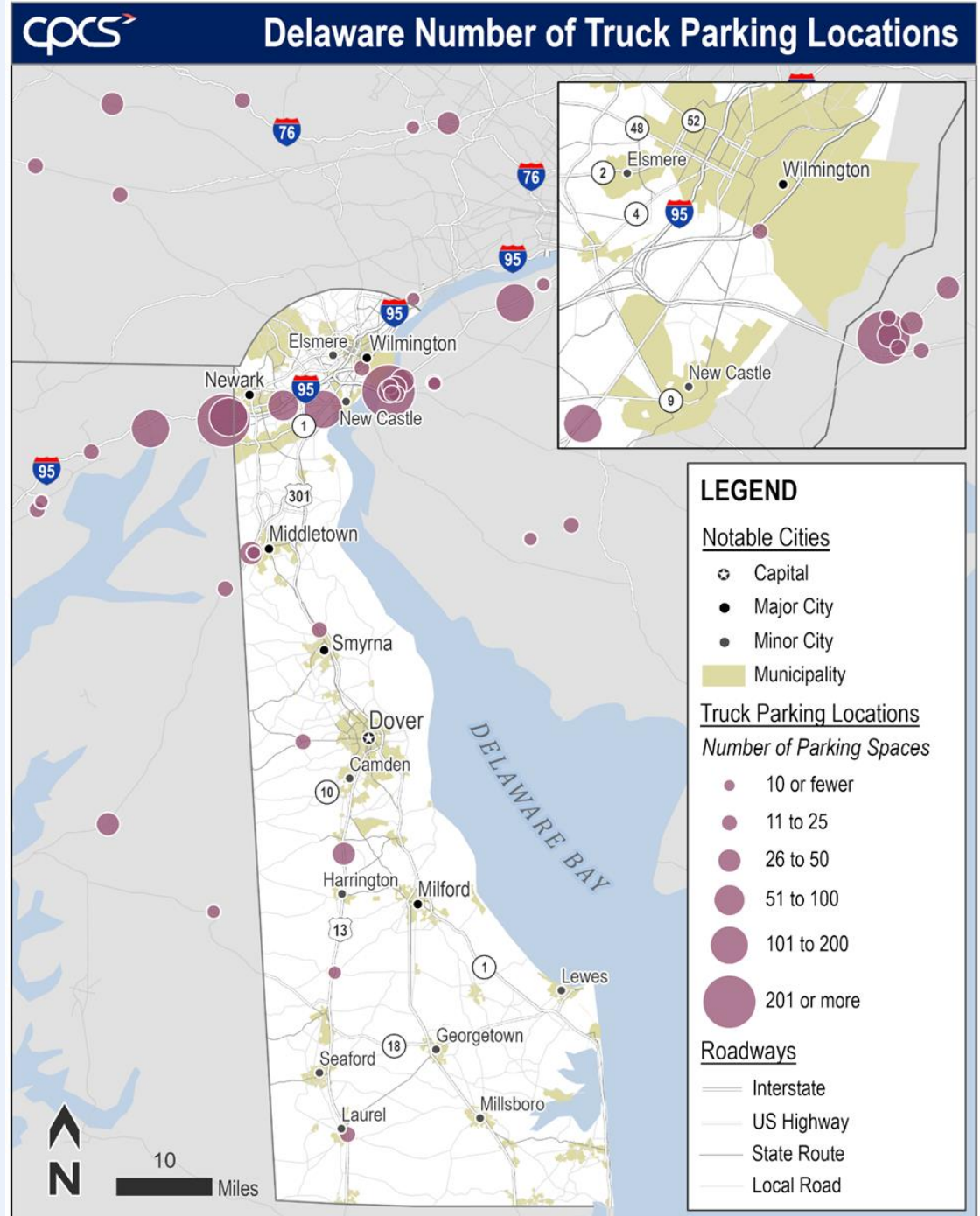
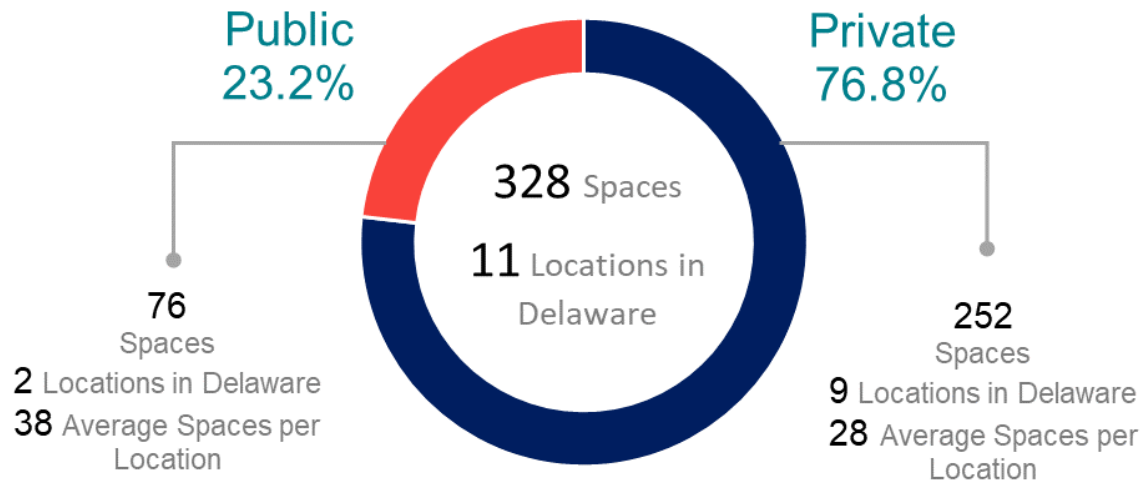


# Delaware Statewide Truck Parking Study

## Existing Local Truck Parking Conditions

- Almost exclusively private parking facilities
- Large facilities in MD and NJ along I-95 & I-295
- Emerging smaller short-term locations (Wawa, Royal Farms)
- Do we have an Hours of Service (HOS) or a staging issue?

## Total Public, and Private Truck Parking Locations in Delaware

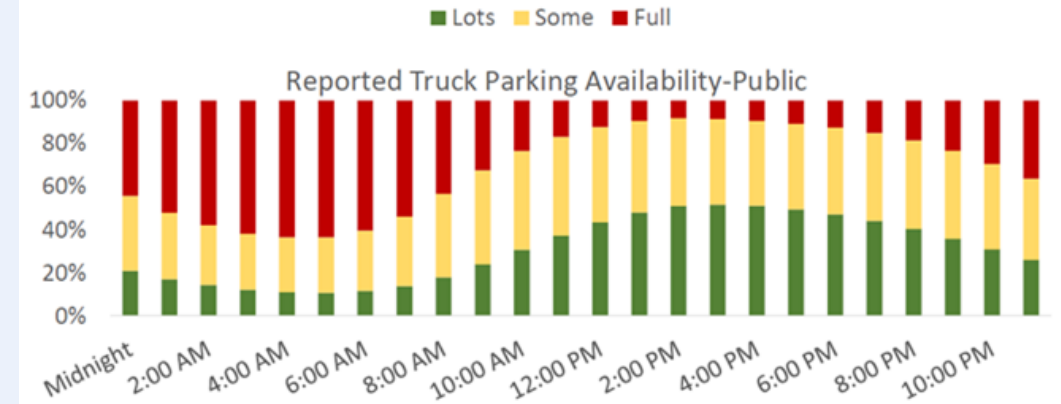


# Delaware Statewide Truck Parking Study

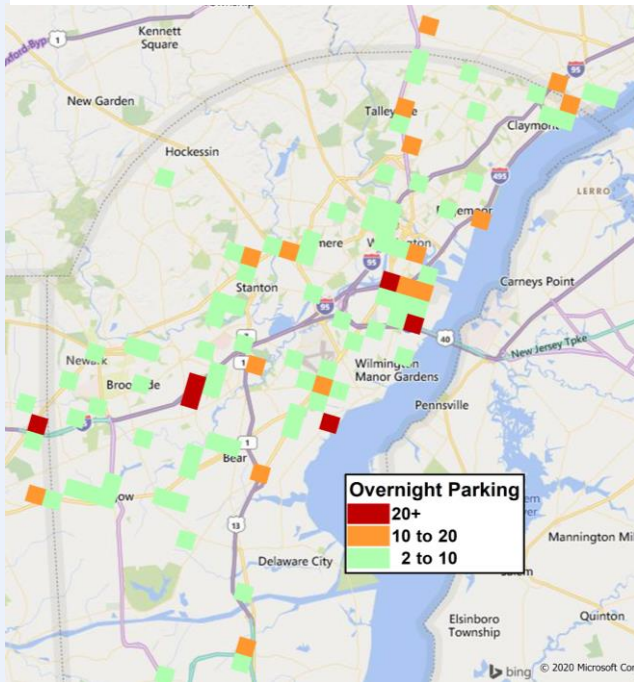
## Task 3: Overnight Parking Analysis

- Several new data sources available
- Parking data by:
  - Duration
  - Location
  - Frequency
  - Time of Day
  - Concentration of vehicles

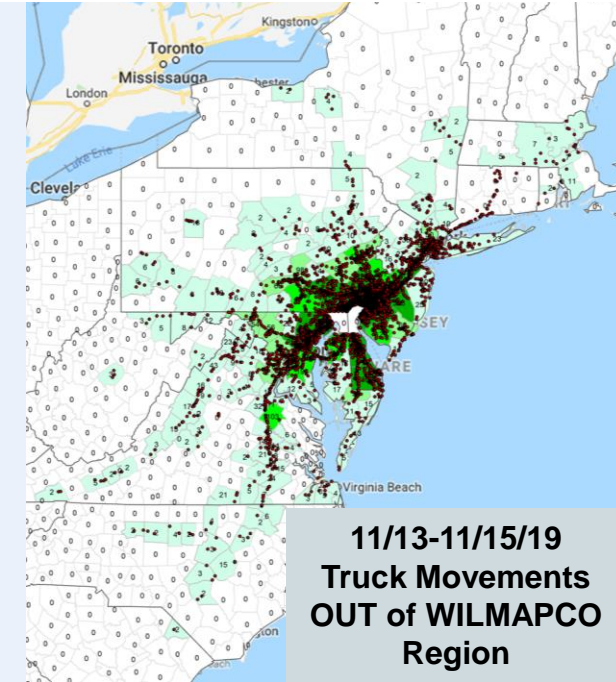
## Truckers Path App



## Streelight



## INRIX GPS Location & Tracking



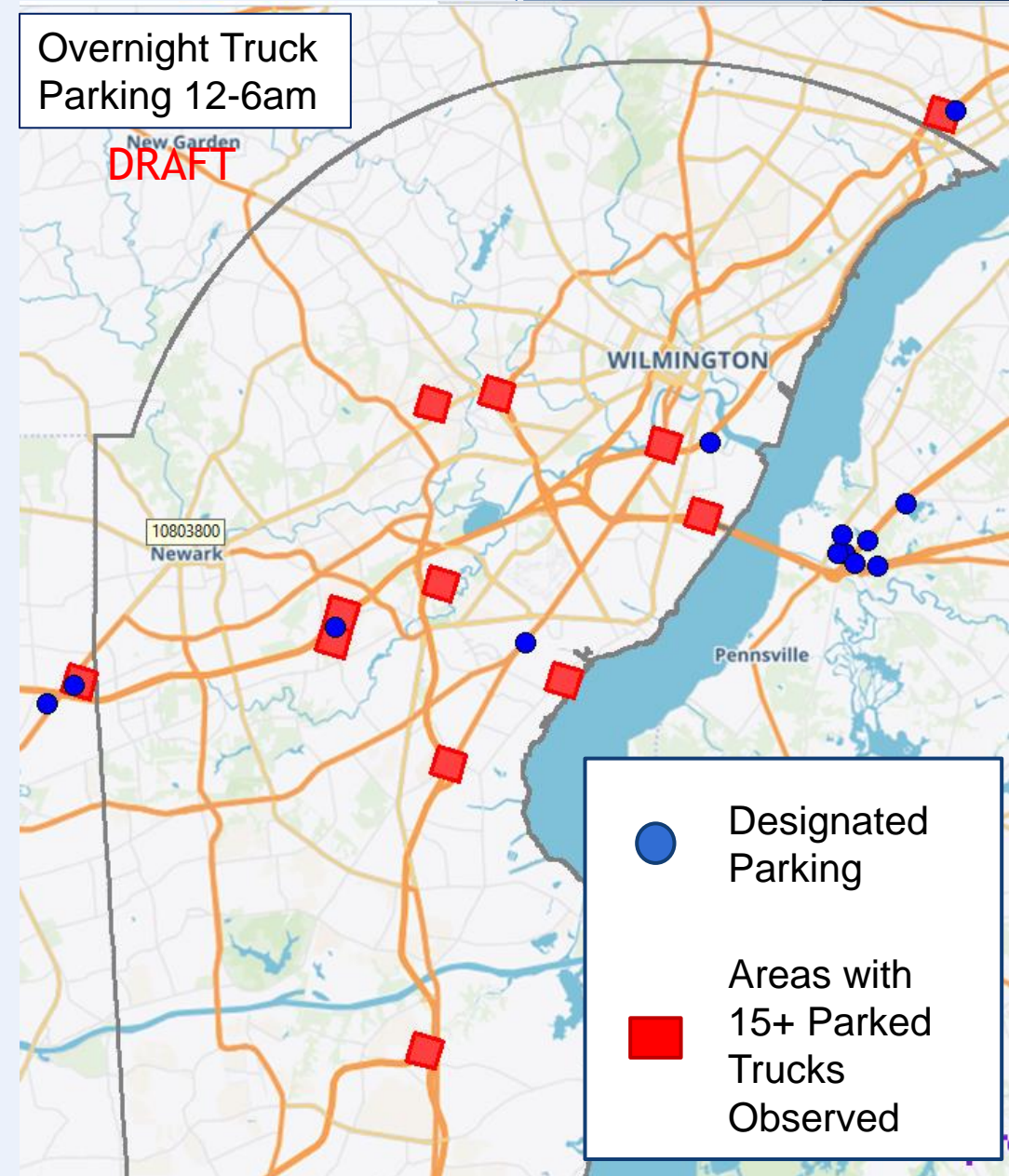


# Delaware Statewide Truck Parking Study

## Task 3: Overnight Parking Analysis

- Focused on Undesignated Parking Area Clusters

INRIX Data: Maryland House (55 Spaces)






Source: Streetlight

# Delaware Statewide Truck Parking Study

## Schedule

- 12-14 months
- Multiple Technical memos and working papers throughout project  
Paper #1 nearly complete
- Use of focus group comprised of members for the trucking industry and DMTA
- March Focus group being scheduled

Task Number	Description	1	2	3	4	5	6	7	8	9	10	11	12
<b>Task 0</b>	<b>Project Management</b>												
Task 0.1	Project Kick-Off Meeting	Meeting											
Task 0.2	Develop and Revise Work Plan	Work Activity											
Task 0.3	Working Group Meetings		Meeting		Meeting		Meeting		Meeting		Meeting		Meeting
Task 0.4	Ongoing Project Management	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity	Work Activity
<b>Task 1</b>	<b>Truck Parking: The National Perspective</b>												
Task 1.1	Literature Review	Work Activity	Work Activity										
Task 1.2	Assess commercial motor vehicle volume	Work Activity											
Task 1.3	Review existing truck parking inventory for Delaware and neighboring states	Work Activity											
Task 1.4	Summarize National/Regional Freight Trends	Work Activity											
Task 1.5	Technical Memo 1: National and Regional Perspective on Delaware Truck Parking												
<b>Task 2</b>	<b>Existing Local Truck Parking Conditions</b>												
Task 2.1	Inventory and map private and publicly-owned facilities		Work Activity	Work Activity	Work Activity								
Task 2.2	Evaluate demand for hours of service parking and staging area parking			Work Activity									
Task 2.3	Identify truck parking patterns			Work Activity									
Task 2.4	Plan for focus group to validate initial findings												
<b>Task 3</b>	<b>Overnight Parking Analysis</b>												
Task 3.1	Identify overnight truck parking clusters				Work Activity								
Task 3.2	Link parking utilization to freight generators and destinations				Work Activity								
Task 3.3	Identify truck parking strengths and weaknesses				Work Activity	Work Activity							
Task 3.4	Observe and report on existing conditions at parking facilities				Work Activity								
Task 3.5	Technical Memo 2: Strengths, Weaknesses, and Opportunities of Truck Parking												
<b>Task 4</b>	<b>Initial Findings and Focus Group Workshop</b>												
Task 4.1	Facilitate initial focus group meeting						Meeting						
Task 4.2	Begin developing initial recommendations							Work Activity					
<b>Task 5</b>	<b>Strategies and Recommendations</b>												
Task 5.1	Develop strategies and solutions					Work Activity	Work Activity	Work Activity					
Task 5.2	Assign high level costs to recommended solutions								Work Activity	Work Activity	Work Activity		
Task 5.3	Outline implementation Recommendations								Work Activity	Work Activity	Work Activity		
Task 5.4	Technical Memo 3: Draft Strategies and Recommendations									Work Activity			
Task 5.5	Facilitate second focus group meeting										Meeting		
<b>Task 6</b>	<b>Final Report</b>												
Task 6.1	Draft Final Report											Work Activity	
Task 6.2	Final Report												Deliverable

**Legend**  
 Work Activity  
 Deliverable  
 Meeting

# Questions?

## Project Pages:

### Impacts/Benefits analysis of Truck Access

[http://www.wilmapco.org/port\\_analysis](http://www.wilmapco.org/port_analysis)

### Delaware Truck Parking Study

<http://wilmapco.org/truckparking>

### Delaware First/Final Mile

<http://www.wilmapco.org/finalmile>

<https://wikimapping.com/Delaware-Final-Mile-Public.html>

