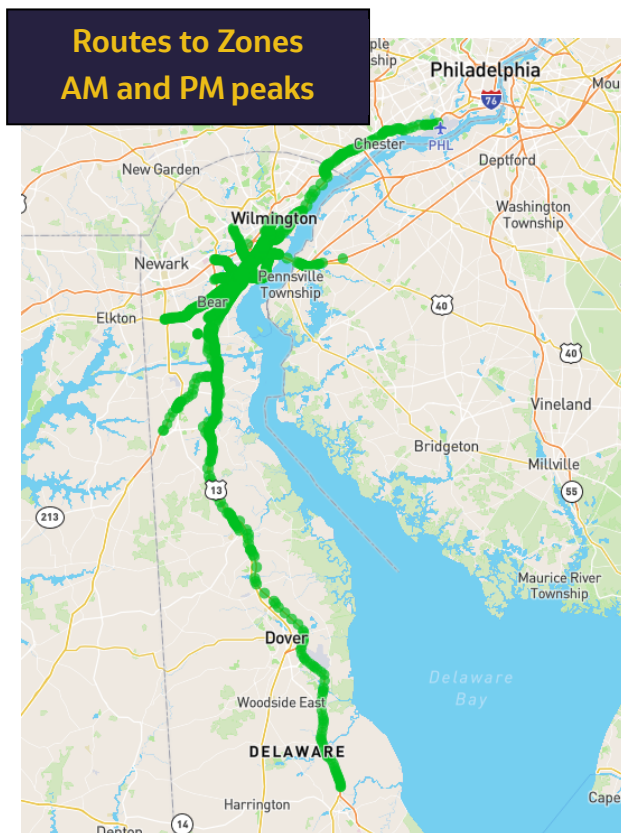


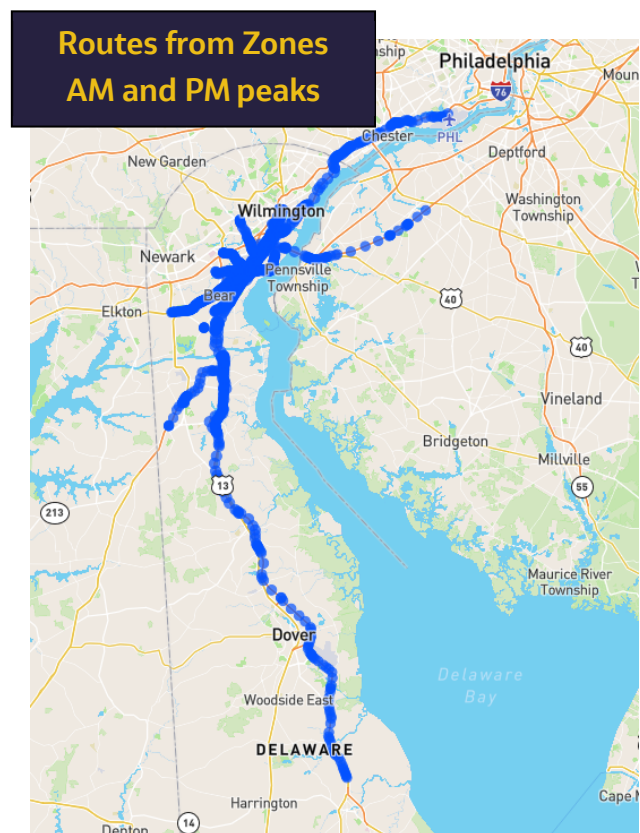
US 13/HARES CORNER

Origin-destination travel pattern analyses¹

The CMP corridor for US 13/Hares Corner is made up of a 5.5 mile stretch of US 13 from I-495 to the US 13/US 40 split, and an additional 1.4 mile segment of SR 273 from US 13 to SR 141. This area, known as “Hares Corner”, has been developed considerably with a variety of land uses and has a high employment density. Many jobs are in the “wholesale, retail, transportation and utilities” category with both the Wilmington Airport and an Amazon warehouse located adjacent to the intersection of US 13 and SR 273. These facilities and the area’s proximity to the interstate system contribute to truck bottlenecks in the area and environmental justice concerns. US 13/Hares Corner is a core Transportation Investment Area for WILMAPCO, and understanding the travel patterns in and around the CMP corridor will help to prioritize studies and investments for the area.



During weekday peak hours, drivers travel to US 13/Hares Corner from within Delaware and beyond. Vehicles come from as far south as the SR 1/US 113 split in Milford and from the Philadelphia International Airport to the north via I-95/I-495. To the west, traffic originates from as far as the Maryland line via US 40 and US 301.



During weekday AM and PM peak hours, travel patterns for drivers originating from the US 13/Hares Corner area are nearly identical to those traveling to the CMP corridor. One exception is vehicles are seen traveling farther on I-295 into New Jersey and use the New Jersey Turnpike to travel as far as US 322 near Swedesboro.

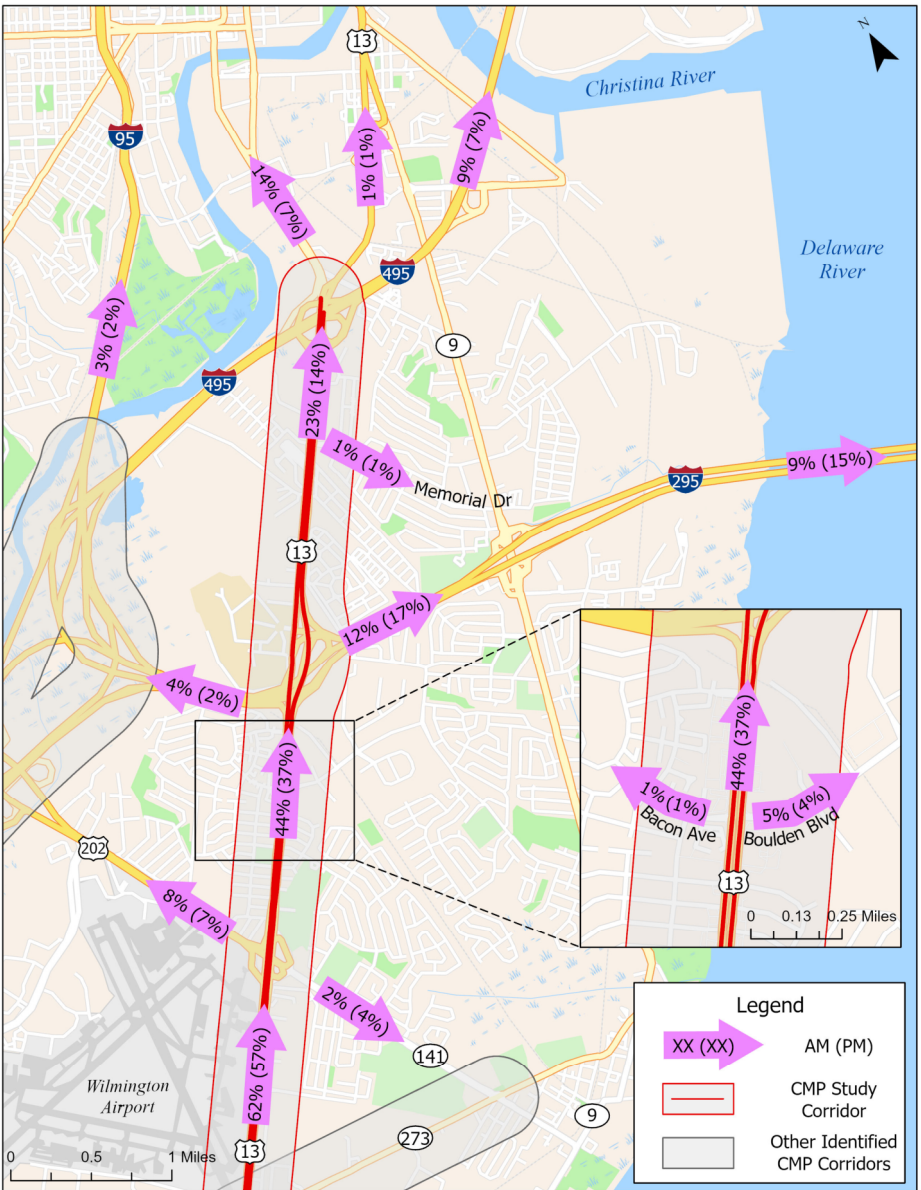
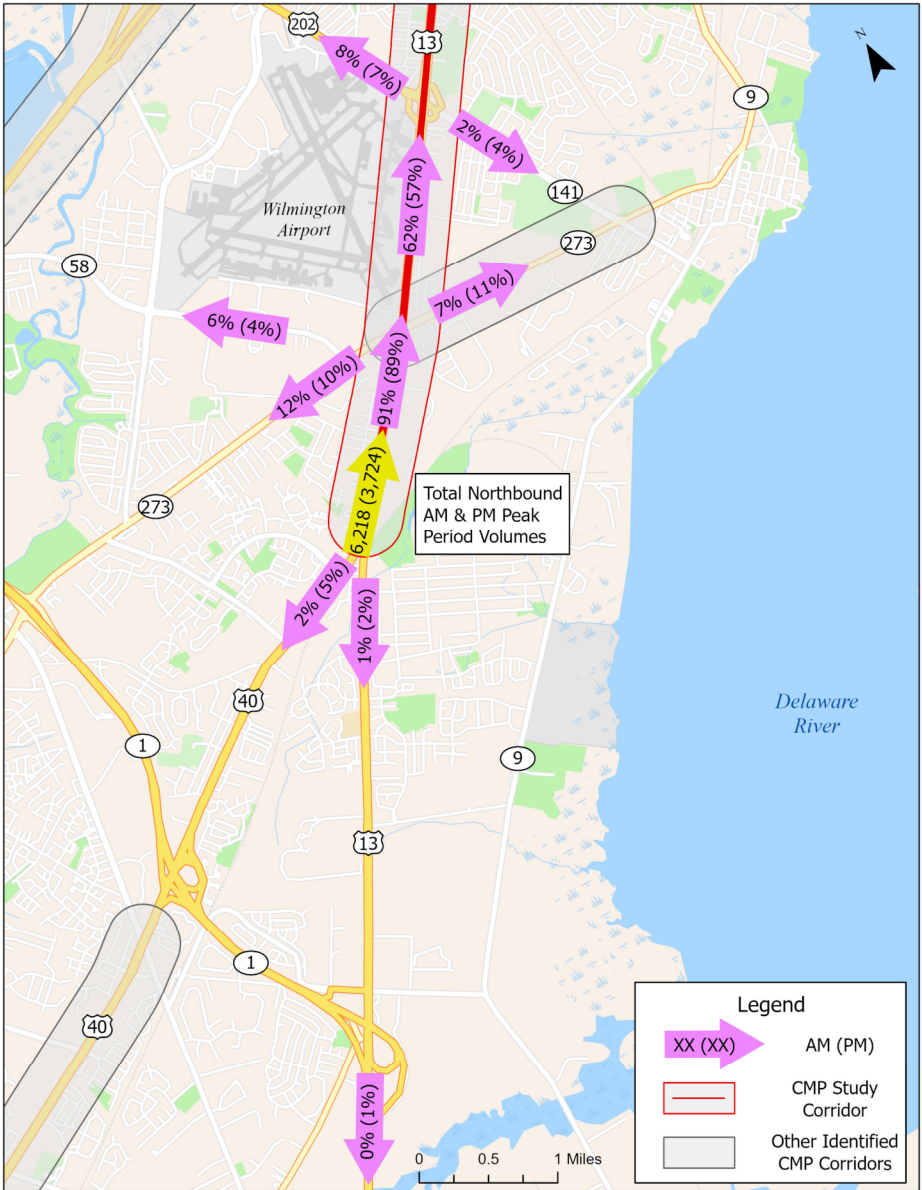
¹ Data used in origin-destination analyses is StreetLight InSight® Connected Vehicle data from 6/1/22-5/31/23

US 13 NORTHBOUND

US 13 north of US 40 to I-495

Key Takeaways

- **AM peak period (7 AM – 9 AM) volumes are significantly higher** than the PM peak period (4 PM – 6 PM) volumes.
- Only about **60% of northbound traffic makes it to US 202/SR 141** during both peaks, just over 2 miles north of the origin zone.
 - Of the roughly 40% of traffic that is turning off US 13 northbound, **10-12% turn left onto SR 273 westbound** with about 5% then turning onto SR 58. Another **7-11% turn right** onto SR 273, and **3-7% make a u-turn** to continue on either US 13 or US 40 southbound.
- **5% of northbound traffic turns right onto Boulden Boulevard**, home to multiple shopping and business parks.
- US 13 northbound provides crucial connections to Delaware's interstate system.
 - In the PM peak, **17% of traffic turns onto I-295**, with 15% ultimately continuing on the Delaware Memorial Bridge into New Jersey.
 - **9% of AM peak traffic gets onto I-495 northbound.**
 - 3% of AM peak traffic gets onto I-95 northbound.
- **14% of AM northbound traffic continues onto Business US 13**, compared to only 7% of PM peak traffic.



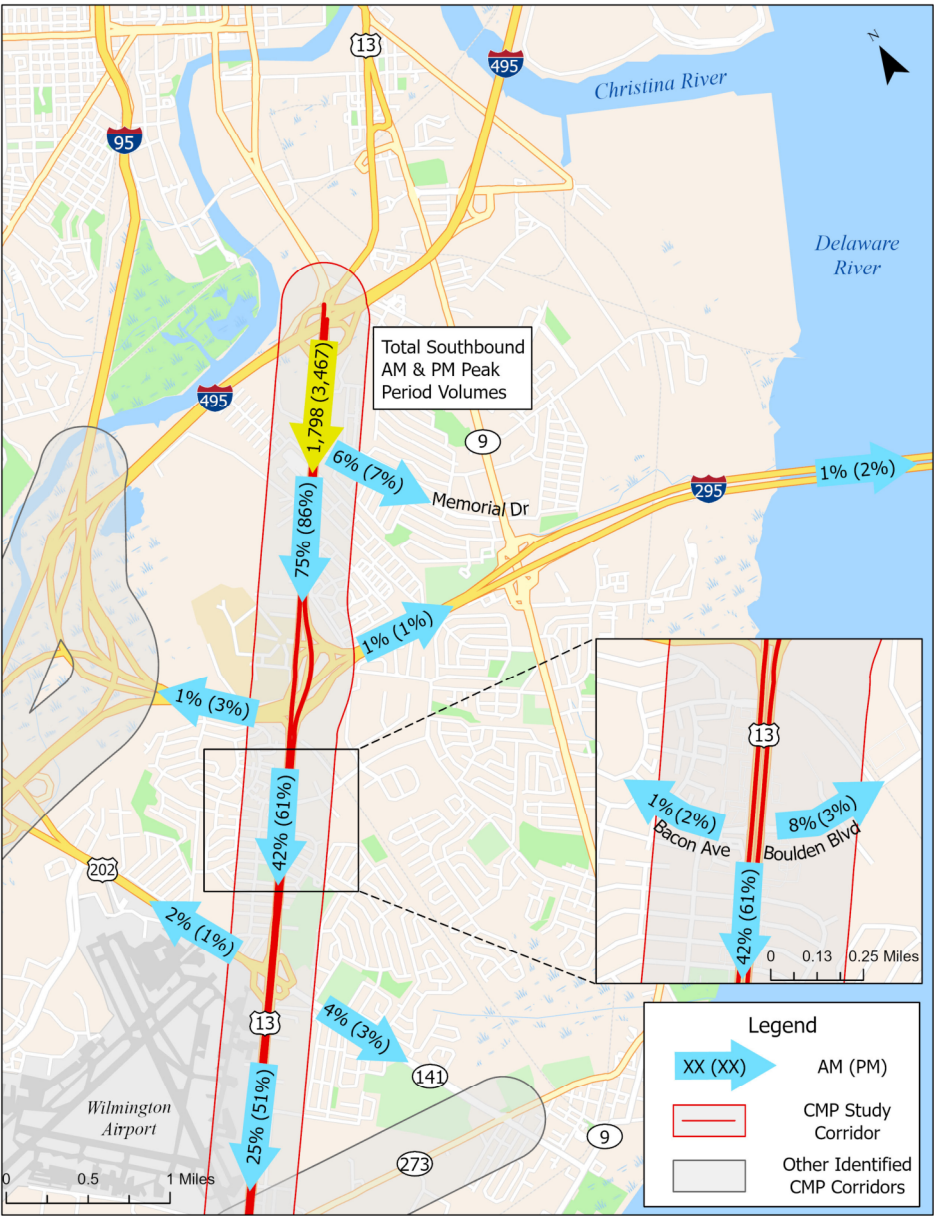
Peak Period	Origin	Destination																				
		SR 1 SB south of SR 1/US 13 Merge/Split	US 13 SB south of US 40	US 40 WB west of US 13	SR 273 WB west of US 13	SR 58/New Churchman's Rd	SR 273 EB east of US 13	US 202/SR 141 NB	US 202/SR 141 SB	Boulder Blvd EB	Bacon Ave WB west of US 13	I-295 EB	Delaware Memorial Bridge EB	I-295 WB	I-95 NB	Memorial Dr EB	I-495 NB	US 13 Bus. NB north of I-495	US 13 NB north of I-495	Newark	Churchman's Crossing	Wilmington
AM (7 AM - 9 AM)	US 13 NB north of US 40	0.4%	0.7%	2.0%	12.2%	6.0%	7.3%	8.4%	2.1%	5.0%	0.8%	11.6%	9.3%	3.7%	2.5%	0.6%	8.9%	14.1%	0.5%	0.5%	2.6%	15.9%
PM (4 PM - 6 PM)	US 13 NB north of US 40	0.6%	1.5%	5.3%	9.9%	3.7%	10.8%	7.1%	3.9%	4.3%	1.1%	16.5%	15.0%	2.3%	1.5%	1.0%	6.8%	7.2%	0.7%	0.2%	2.7%	9.0%

US 13 SOUTHBOUND

US 13 south of I-495 to US 40

Key Takeaways

- *PM peak period (4 PM – 6 PM) volumes are nearly double the AM peak period (7 AM – 9 AM) volumes.*
- *6-7% of southbound traffic turns left onto Memorial Drive, which provides a connection to SR 9 and I-295.*
- *Only 1-2% of southbound traffic reaches the Delaware Memorial Bridge on I-295, significantly lower than northbound traffic.*
- *8% of southbound AM peak traffic turns left onto Boulden Boulevard, an intersection high in the statewide crash rankings.*
- *The connection between US 13 southbound and SR 273 is less significant than in the northbound direction.*
 - 4-5% of southbound traffic turns right onto SR 273 westbound, and 2-5% turns left onto SR 273.
- *Overall, through volumes in the PM peak are nearly twice the volume observed in the AM peak.*
 - *14% of southbound PM traffic merges onto US 40 southbound, compared with only 3% of AM traffic.*
 - *27% of southbound PM traffic continues onto US 13 southbound past the US 40 split, more than double the 10% of AM traffic. 16% then continues farther south past the US 13/SR 1 interchange.*



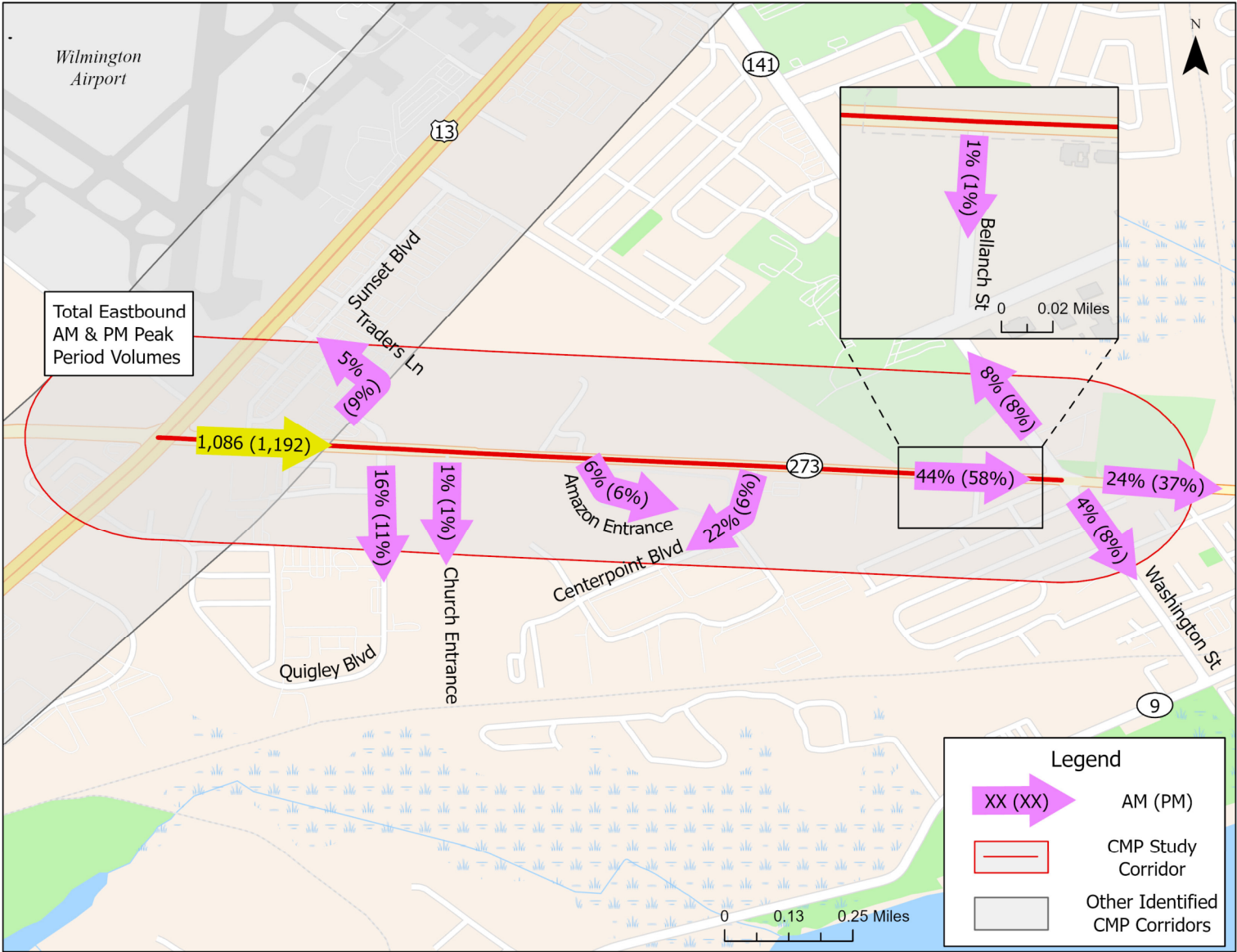
Peak Period	Origin	Destination																
		Memorial Dr EB	I-295 EB	Delaware Memorial Bridge EB	I-295 WB	Boulden Blvd EB	Bacon Ave WB west of US 13	US 202/SR 14.1 NB	US 202/SR 14.1 SB	SR 273 WB west of US 13	SR 58/New Churchman's Rd	SR 273 EB east of US 13	US 13 SB south of US 40	US 40 WB west of US 13	SR 1 SB south of SR 1/US 13 Merge/Split	Newark	Churchman's Crossing	Wilmington
AM (7 AM - 9 AM)	US 13 SB south of I-495	5.6%	0.8%	1.0%	1.3%	8.0%	1.3%	2.2%	3.8%	4.3%	0.8%	4.9%	10.0%	3.1%	4.6%	0.2%	0.9%	1.5%
PM (4 PM - 6 PM)	US 13 SB south of I-495	7.2%	1.0%	2.2%	2.6%	2.8%	1.8%	1.4%	3.3%	5.3%	0.5%	1.6%	27.0%	14.4%	16.0%	0.2%	2.4%	0.9%

SR 273 EASTBOUND

SR 273 east of US 13 to SR 141

Key Takeaways

- Despite being roughly 1.4 miles long, in the AM peak period only **24% of eastbound vehicles travel the full length** through the SR 273 CMP corridor. This percentage is higher in the PM peak at 37%.
- **9% of PM peak traffic turns left onto Traders Lane**, compared to 5% in the AM peak.
- **16% of eastbound AM peak traffic turns right onto Quigley Boulevard**, home to a various places of employment including a large US Postal Service facility. This percentage is lower in the PM peak period at 11%.
- A designated Amazon warehouse entrance, accessible only in the eastbound direction of SR 273, sees 6% of eastbound traffic in both weekday peak periods.
- Just downstream of the Amazon warehouse entrance, **22% of eastbound AM traffic turns right onto Centerpoint Boulevard**, another employment hub with access to several facilities including Goodwill and Amazon. This is significantly higher than the 6% of PM traffic that turns right onto Centerpoint Boulevard.
- **8% of eastbound traffic in both the AM and PM peak periods turn left onto SR 141 northbound**.
- Another **8% of eastbound traffic turns right onto Washington Street in the PM peak**, twice as high as the 4% making the same movement in the AM peak.



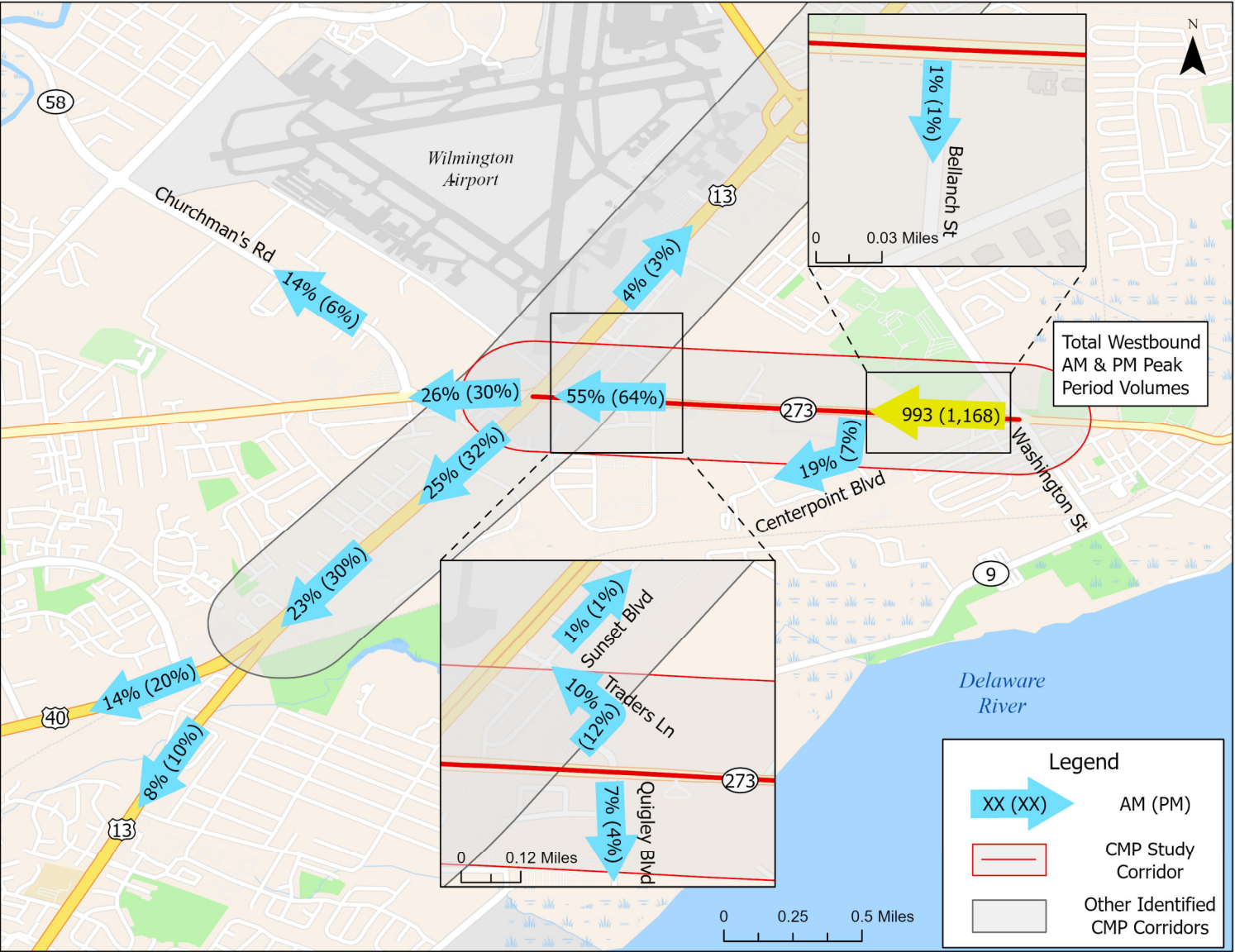
Peak Period	Origin	Destination												
		Traders Ln NB north of SR 273	Sunset Blvd NB north of SR 273	Quigley Blvd SB south of SR 273	Church Entrance south of SR 273	Amazon Entrance on SR 273 EB	Centerpoint Blvd SB south of SR 273	Bellanch St SB south of SR 273	US 202/SR 141 NB	SR 9 Washington St SB	SR 273/SR 9 EB east of US202/SR 141	Newark	Churchman's Crossing	Wilmington
AM (7 AM - 9 AM)	SR 273 EB east of US 13	5.4%	0.0%	16.0%	0.6%	5.6%	22.0%	0.8%	8.1%	4.4%	23.6%	0.2%	1.1%	1.0%
PM (4 PM - 6 PM)	SR 273 EB east of US 13	9.4%	0.1%	10.8%	0.6%	5.5%	6.1%	1.2%	7.6%	7.6%	36.6%	0.0%	0.6%	1.3%

SR 273 WESTBOUND

SR 273 west of SR 141 to US 13

Key Takeaways

- 19% of AM westbound traffic turns left onto Centerpoint Boulevard to access the Amazon warehouse and other employment areas. Only 7% of westbound traffic makes the same movement in the PM peak.
- Traffic on Quigley Boulevard is less significant from SR 273 westbound than eastbound, accounting for 7% of AM vehicles and 4% of PM vehicles.
- 12% of PM peak traffic turns right onto Traders Lane, compared to 10% in the AM peak.
- Similar to the eastbound direction, **through volumes for SR 273 westbound are low** despite the short segment length. 26% of AM westbound traffic reaches west of US 13, along with 30% of PM westbound traffic.
 - Of the 26% of AM traffic that travels all the way through the CMP corridor, **14% then turns right onto SR 58/Churchman's Road**. This is more than double the 6% of PM traffic that turns onto SR 58.
- Another **25% of the AM westbound vehicles turn left onto US 13 southbound**, increasing to 32% in the PM peak period. This traffic then splits, with **about a third of the traffic continuing on US 13 southbound, and the other two thirds getting onto US 40 westbound** in both the AM and PM weekday peaks.
- A much smaller percentage of SR 273 westbound traffic makes a right turn onto US 13 northbound: 4% in the AM peak and 3% in the PM peak.



Peak Period	Origin	Destination														
		Bellanch St SB south of SR 273	Centerpoint Blvd SB south of SR 273	Quigley Blvd SB south of SR 273	Traders Ln NB north of SR 273	Sunset Blvd NB north of SR 273	US 13 NB north of SR 273	US 13 SB south of SR 273	SR 273 WB west of US 13	SR 58/New Churchman's Rd	US 13 SB north of US 40	US 13 SB south of US 40	US 40 WB west of US 13	Newark	Churchman's Crossing	Wilmington
AM (7 AM - 9 AM)	SR 273 WB west of SR 141	0.5%	18.8%	7.4%	10.4%	1.1%	4.1%	25.4%	25.6%	13.8%	22.8%	8.3%	13.5%	0.8%	12.7%	0.8%
PM (4 PM - 6 PM)	SR 273 WB west of SR 141	0.5%	6.5%	4.1%	12.1%	1.3%	3.3%	32.4%	29.5%	6.2%	30.2%	9.8%	19.5%	2.6%	12.4%	0.5%