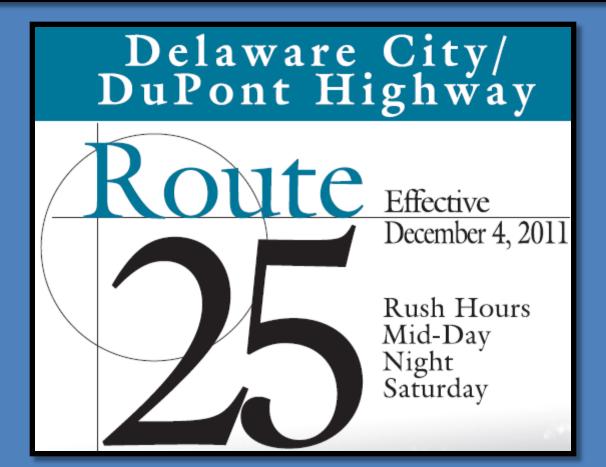
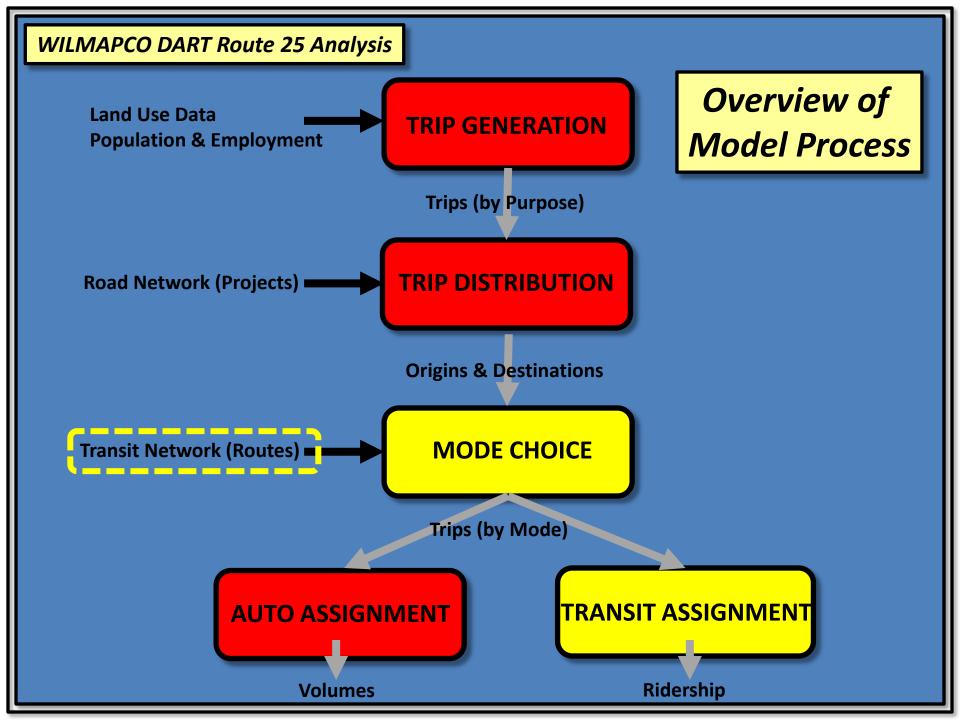
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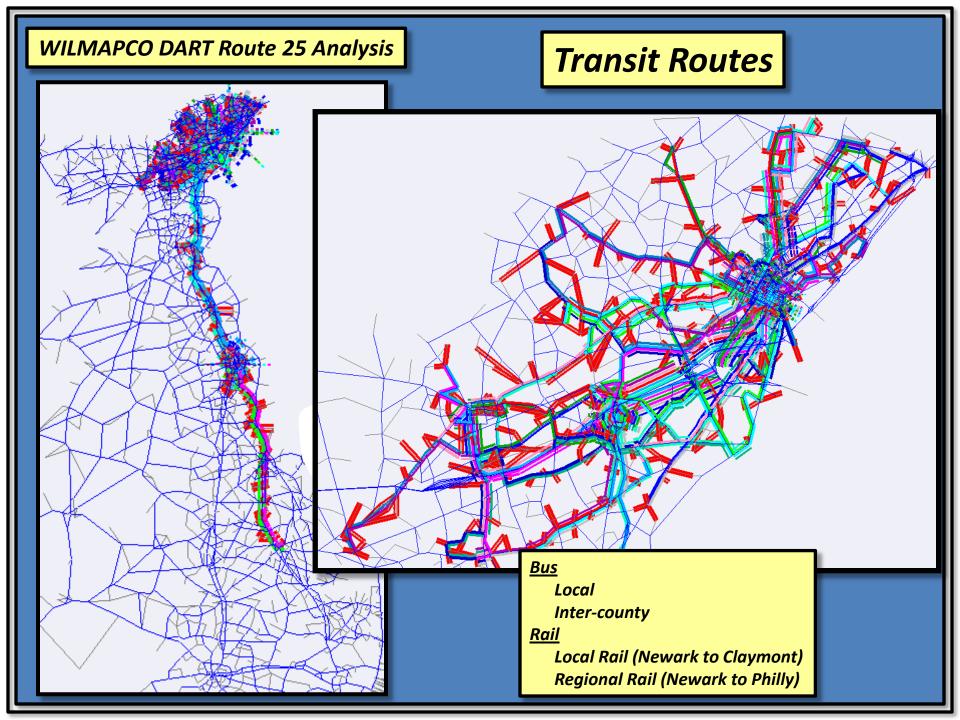


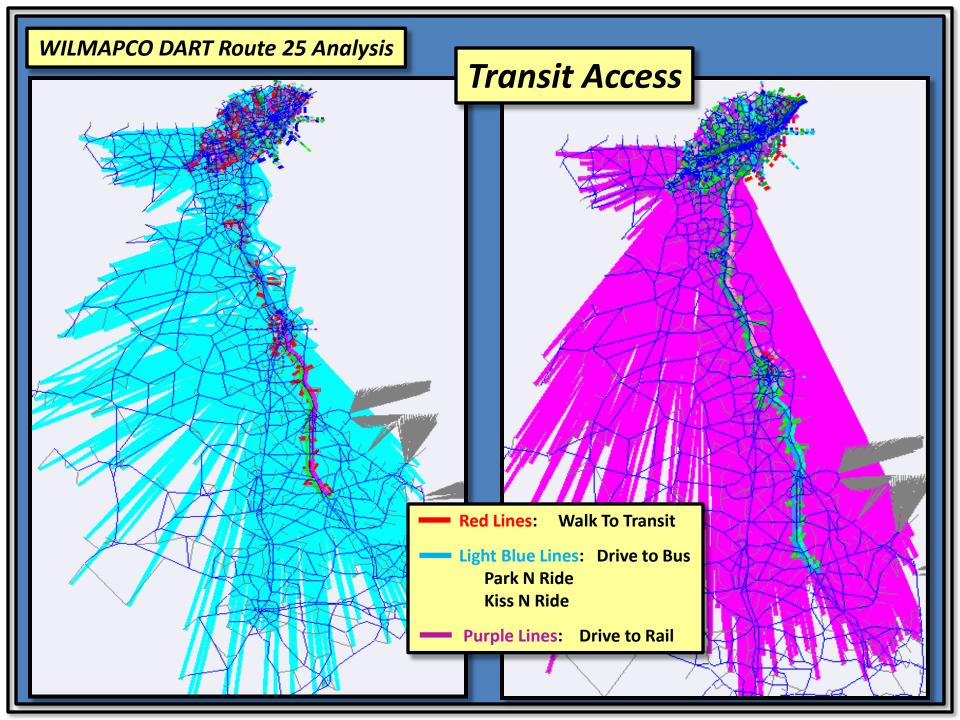


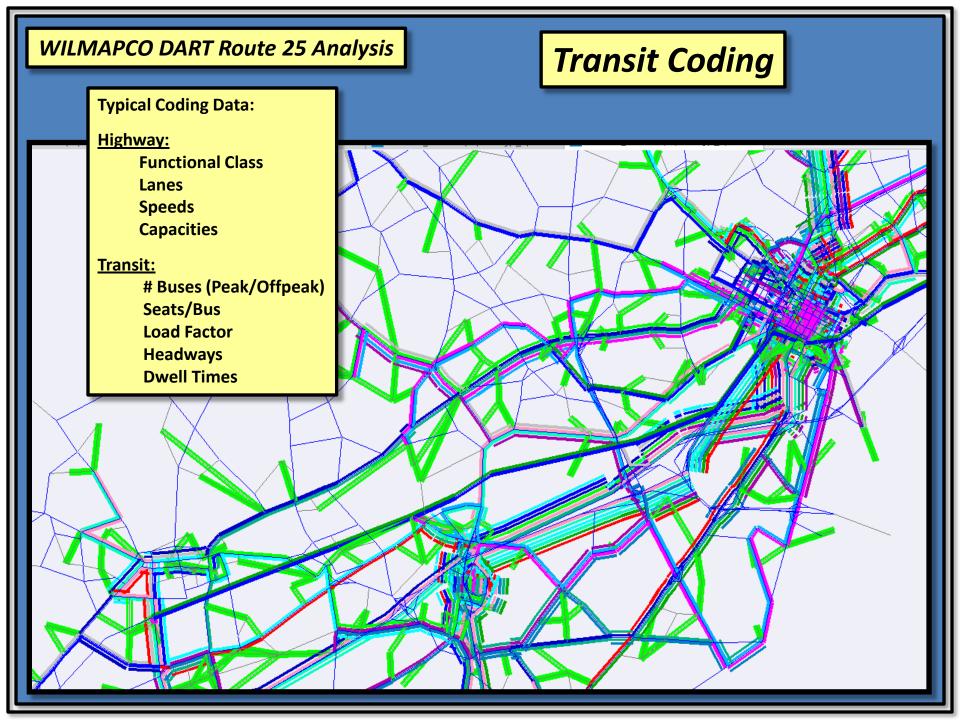


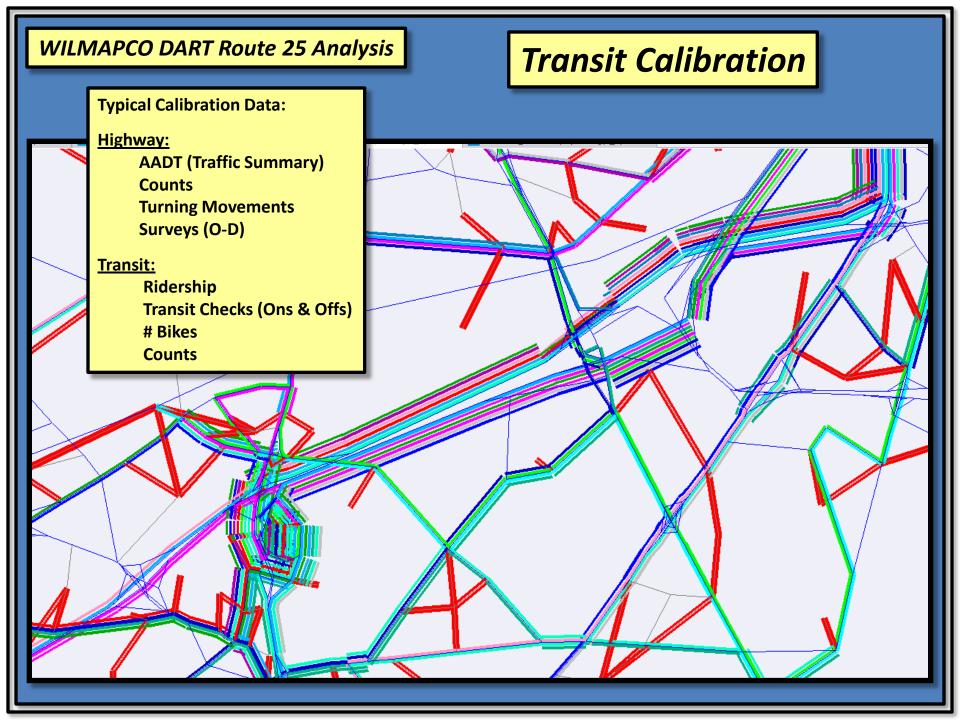


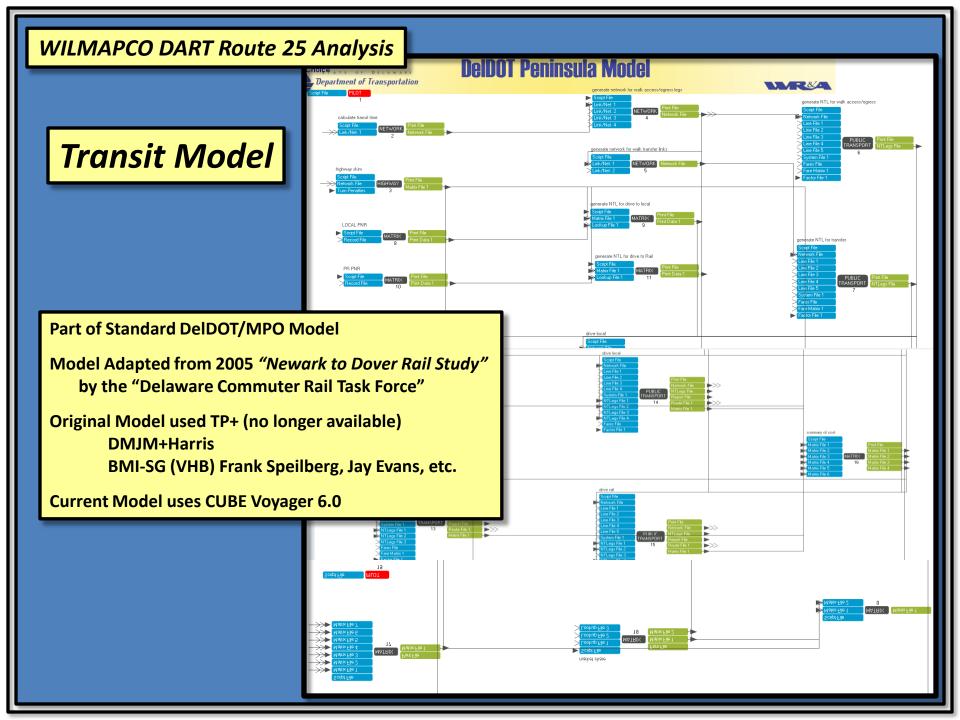


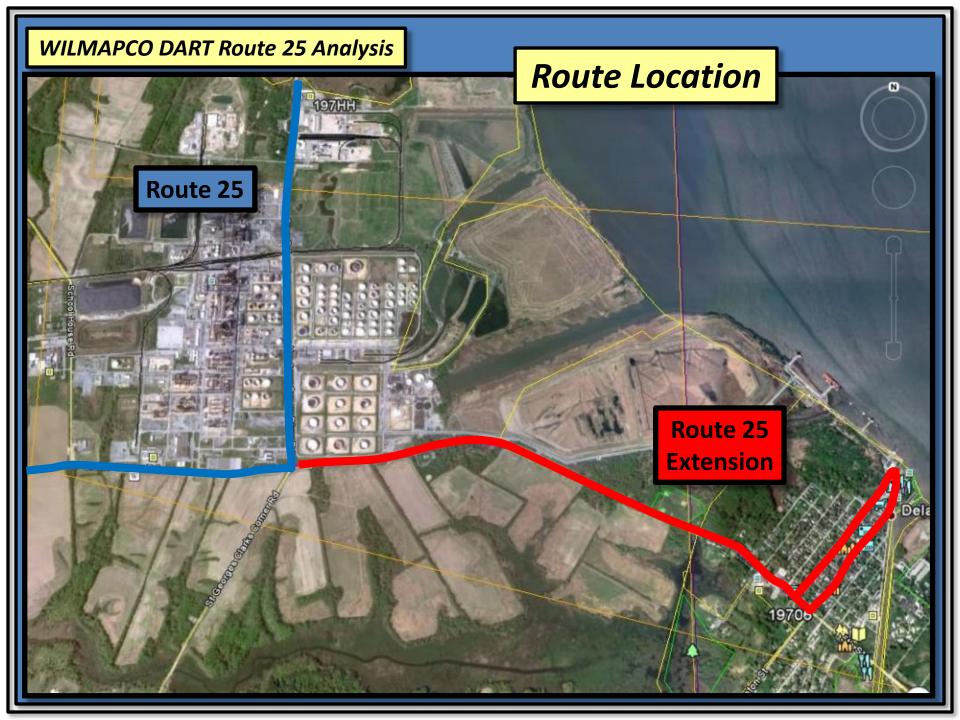


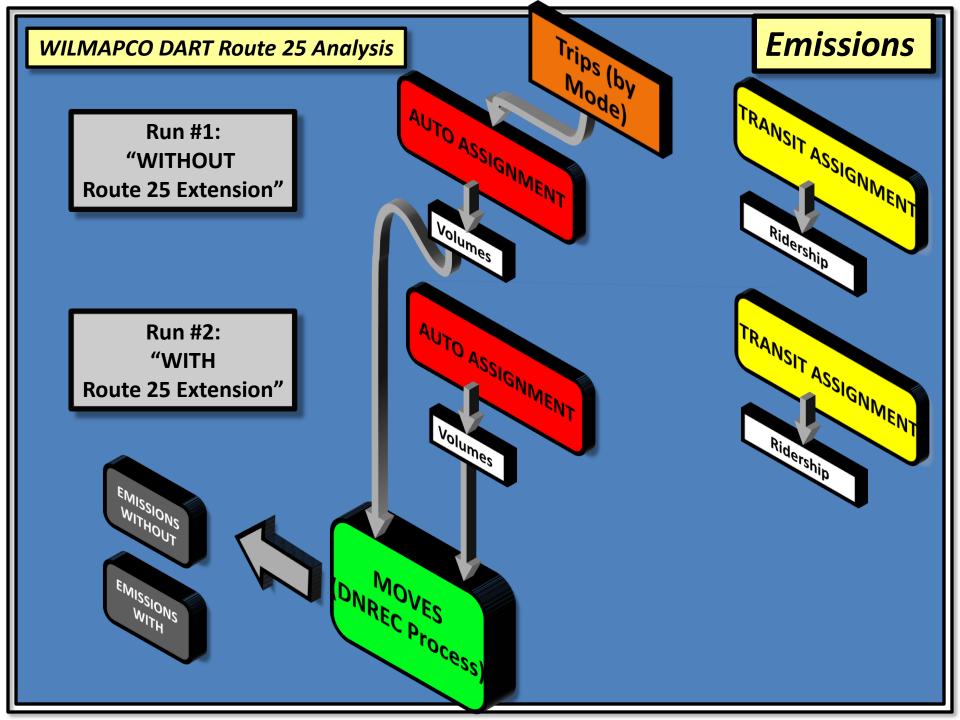












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Results

Scenario	Rt 9 Roadway Section	Daily VMT	Emissions (tons/year)				
			NO _x	со	voc	PM _{2.5}	CO ₂
No Bus Service	Hamburg Rd (Tybouts PNR) to Wrangle Hill Rd	16,105	7.11	38.07	5.31	37.47	1,889
	River Rd to Clinton St	15,583	6.88	36.84	5.14	36.61	1,827
	New Castle County	16,195,649	6,841	58,534	3,352	43,663	2,483,404
New Route 25 Bus Service	Hamburg Rd (Tybouts PNR) to Wrangle Hill Rd	15,943	6.88	36.85	5.14	33.96	1,869
	River Rd to Clinton St	15,579	6.72	36.00	5.02	32.86	1,827
	New Castle County	16,183,773	6,834	58,480	3,349	43,633.21	2,479,661
Project VMT/Emissions Reduction		166 (0.52%)	.39 (2.76%)	2.07 (2.76%)	.29 (2.76%)	7.26 (9.8%)	19.7 (0.53%)
County VMT/Emissions Reduction		11,876 (0.07%)	7.6 (0.11%)	54.03 (0.09%)	3.01 (0.09%)	29.54 (0.07%)	3743 (0.15%)

Results

A reduction in VMT and emissions was observed from the results of the modeling. These reductions are tabulated below and summarized as follows:

- A daily VMT reduction of 119 was observed for both sections of roadway. This represents a 0.5% reduction in VMT by extending the bus service.
- An annual NOx reduction of 0.39 tons was observed, which accounts for a 2.8% reduction.
- CO was reduced by 2.07 tons and VOC by 0.29 tons, both indicating a 2.8% reduction from existing conditions.
- Particulates (PM _{2.5}) were reduced by 9.8%, an annual reduction of 0.02 tons was observed.
- CO₂ emissions were reduced by 19.7 tons, a reduction of 0.5 % annually.

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Thank You!