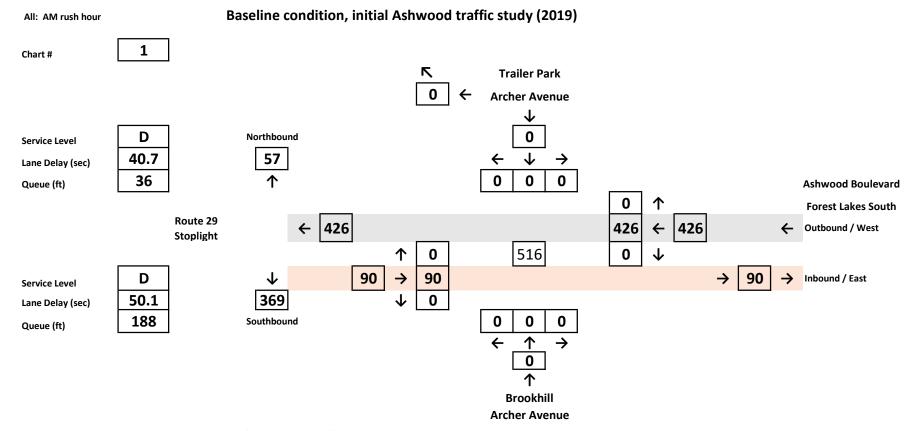
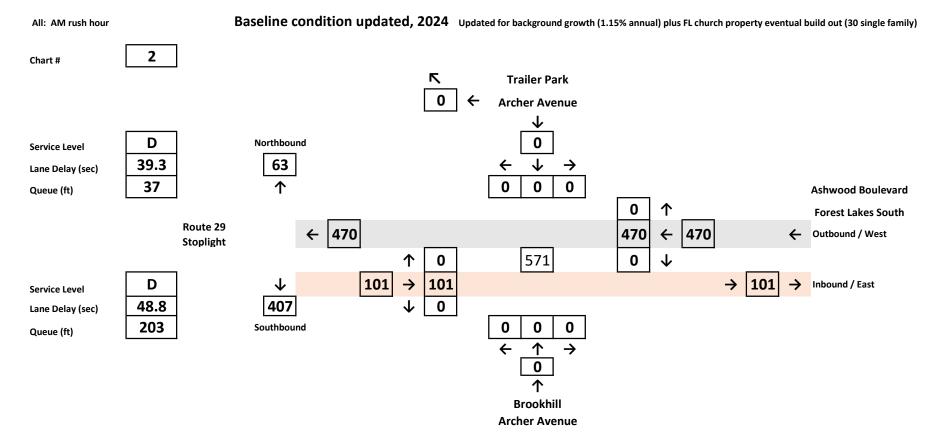
FLCA / Hollymead traffic analysis was done in a detailed, professional manner - with slightly different assumption inputs to same underlying model - and yielding higher traffic outputs and hitting the tipping point for the Ashwood intersection in AM rush hour

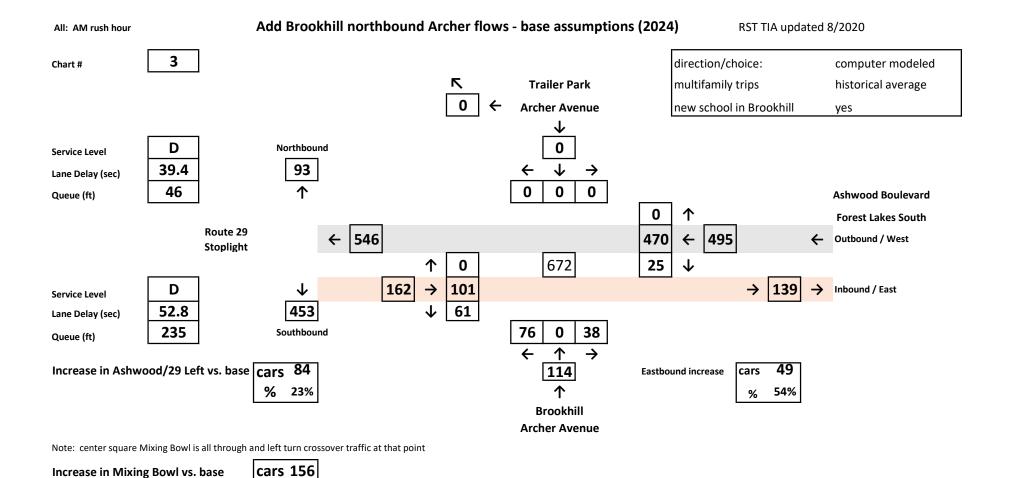
	RST Traffic Study	FLCA / Hollymead Study	Added notes
Model	VDOT standard	same	
Baseline	2019 traffic counts	same	
Background traffic	1% annual future growth	same plus add small future Forest Lakes build out - church property (30 single family houses)	
Outputs	Omnidirection flows, queues, delay time, Ashwood signal performance	same	
Constuction assumptions	Brookhill plus RST	same	
Bookhill flow detials	Global methodology - simplifying assumption: apply overall regional north-south split to all Brookhill units; consider Brookhill units all as if one large geo-dot	More detailed, neighborhood by neighborhood build up: assign flows based on which direction would be fastest/least subject to delays. Focus on AM rush period	
RST apartment demographics	AM and other trips for "multifamily" housing are 75% of single family and townhouse trips, based on industry historical data	Apartment demographics same as single family and townhouses - immediately next door. Analytic basis for any difference is not well supported and lacks local knowledge. No public transit available to dampen vehicle trip levels, unlike many oher apartments in historical database	RST and FLCA studies both underestimated with RST affordable housing proposal. Will have increased traffic flows: residents will be working people, driving downtown, 'service workers' not home based 'knowledge workers' or retirees
New Brookhill elementary school	Unclear whether included or not	scenarios included with and without new school	



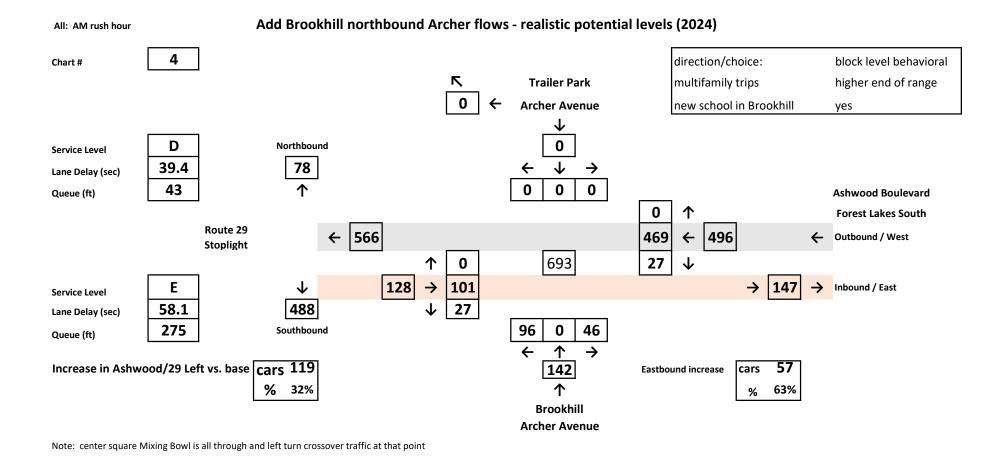
Note: center square Mixing Bowl is all through and left turn crossover traffic at that point



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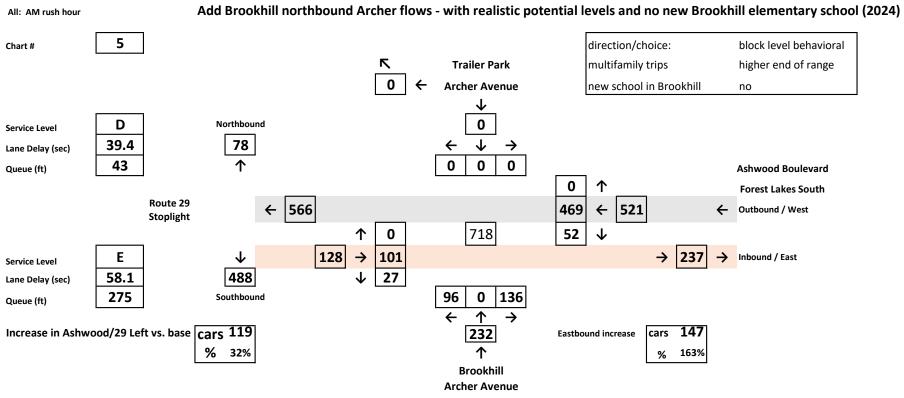
% 30%



cars 177

% 34%

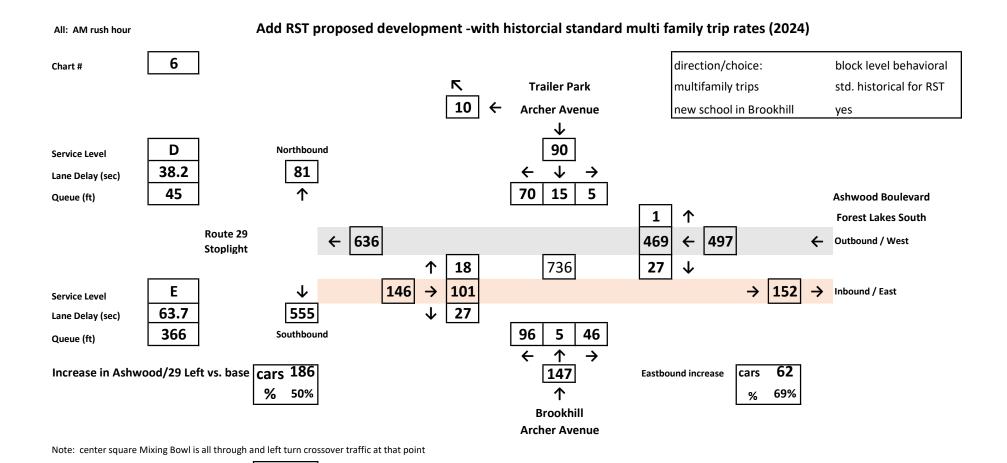
Increase in Mixing Bowl vs. base



Note: center square Mixing Bowl is all through and left turn crossover traffic at that point

Increase in Mixing Bowl vs. base

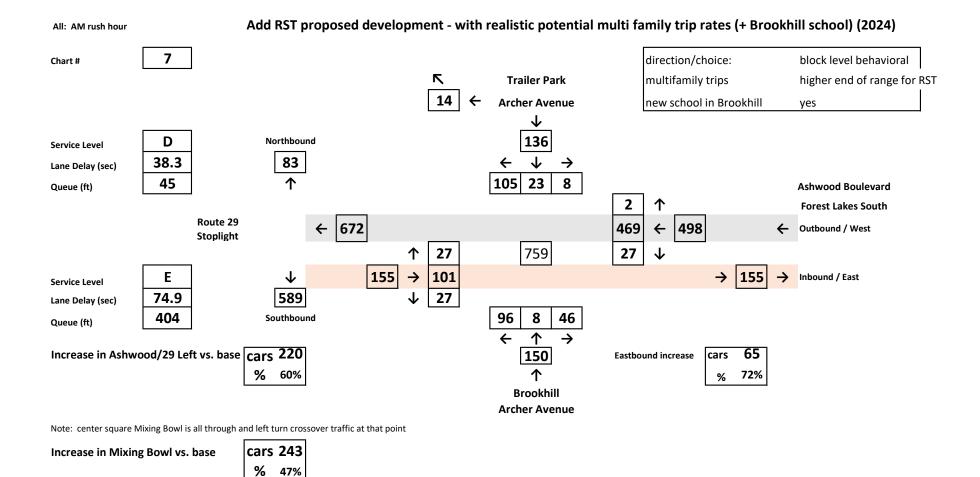
cars 202 % 39%

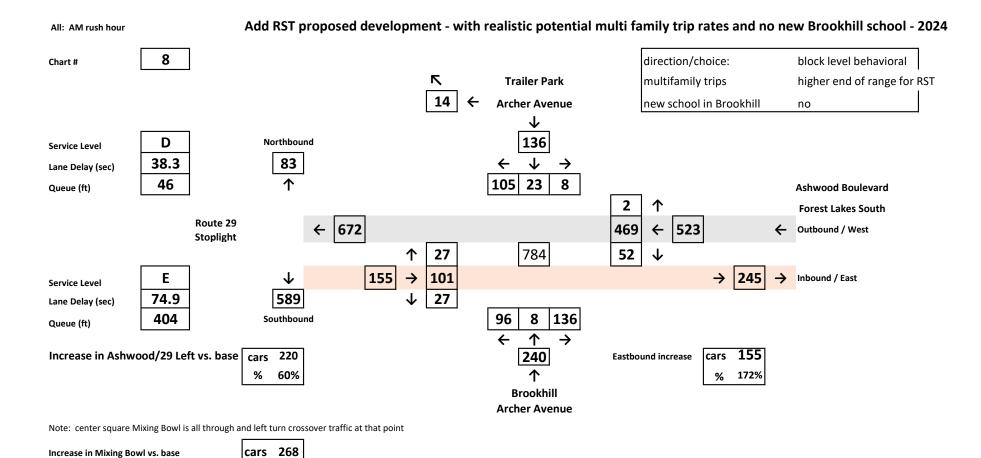


cars 220

% 43%

Increase in Mixing Bowl vs. base





%

52%