



TRANSPORTATION COMMISSION MEETING

University Avenue
January 8, 2020

Questions from PIM #1 & PIM #2

- Why not designate outer lane for Buses/BRT only?
- Why not open Ridge – University to a full access signalized intersection?

University Ave & Farley Ave (AM Peak)



Proposed Layout (Average Delay in Seconds)

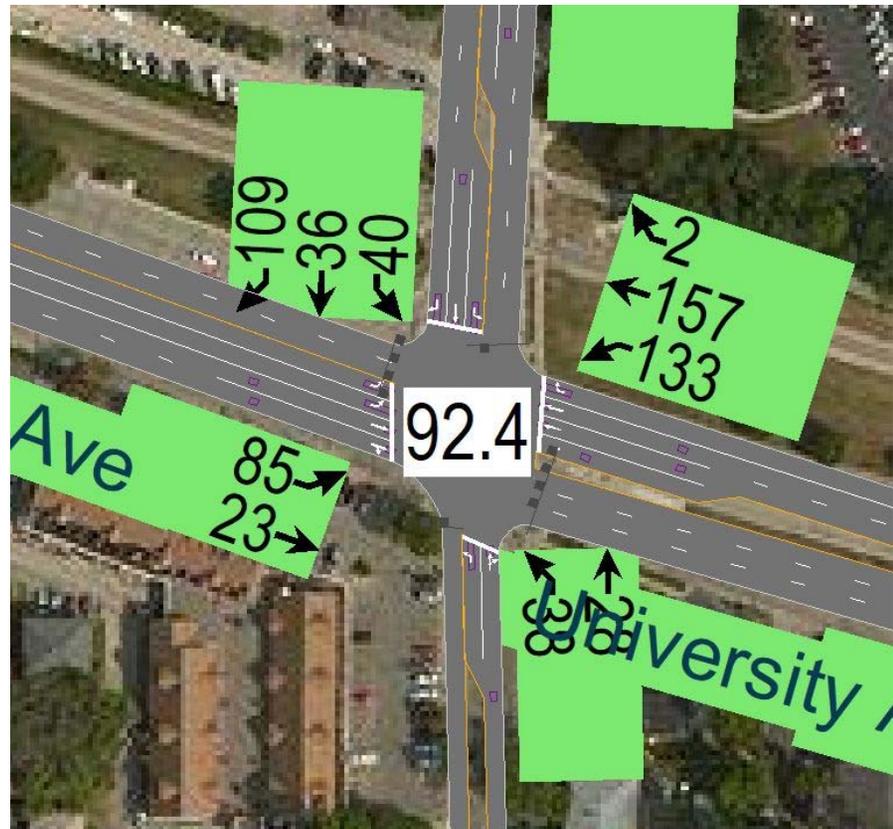


Dedicated Bus Lane Layout (Average Delay in Seconds)

University Ave & Farley Ave (PM Peak)

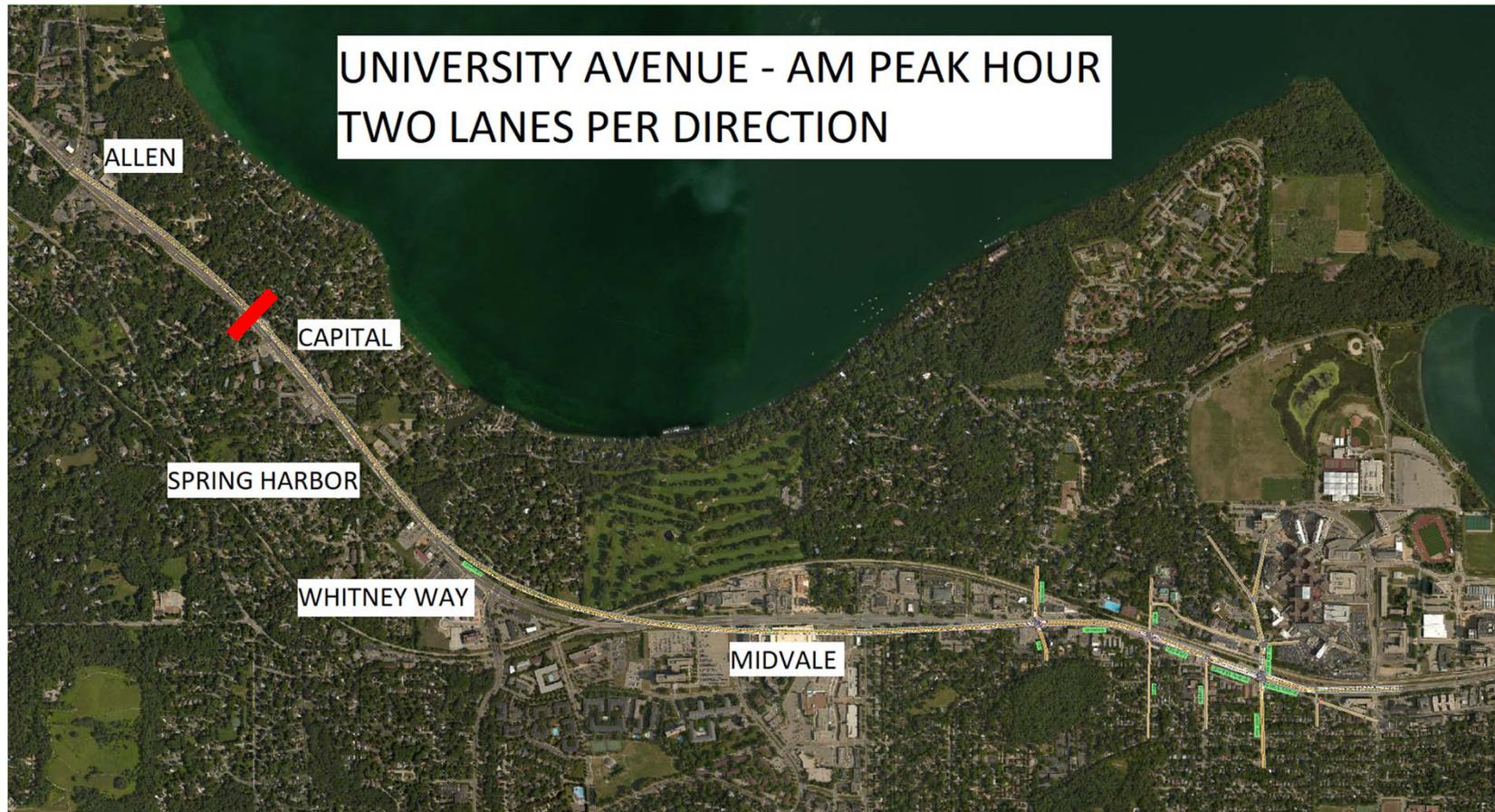


Proposed Layout (Average Delay in Seconds)

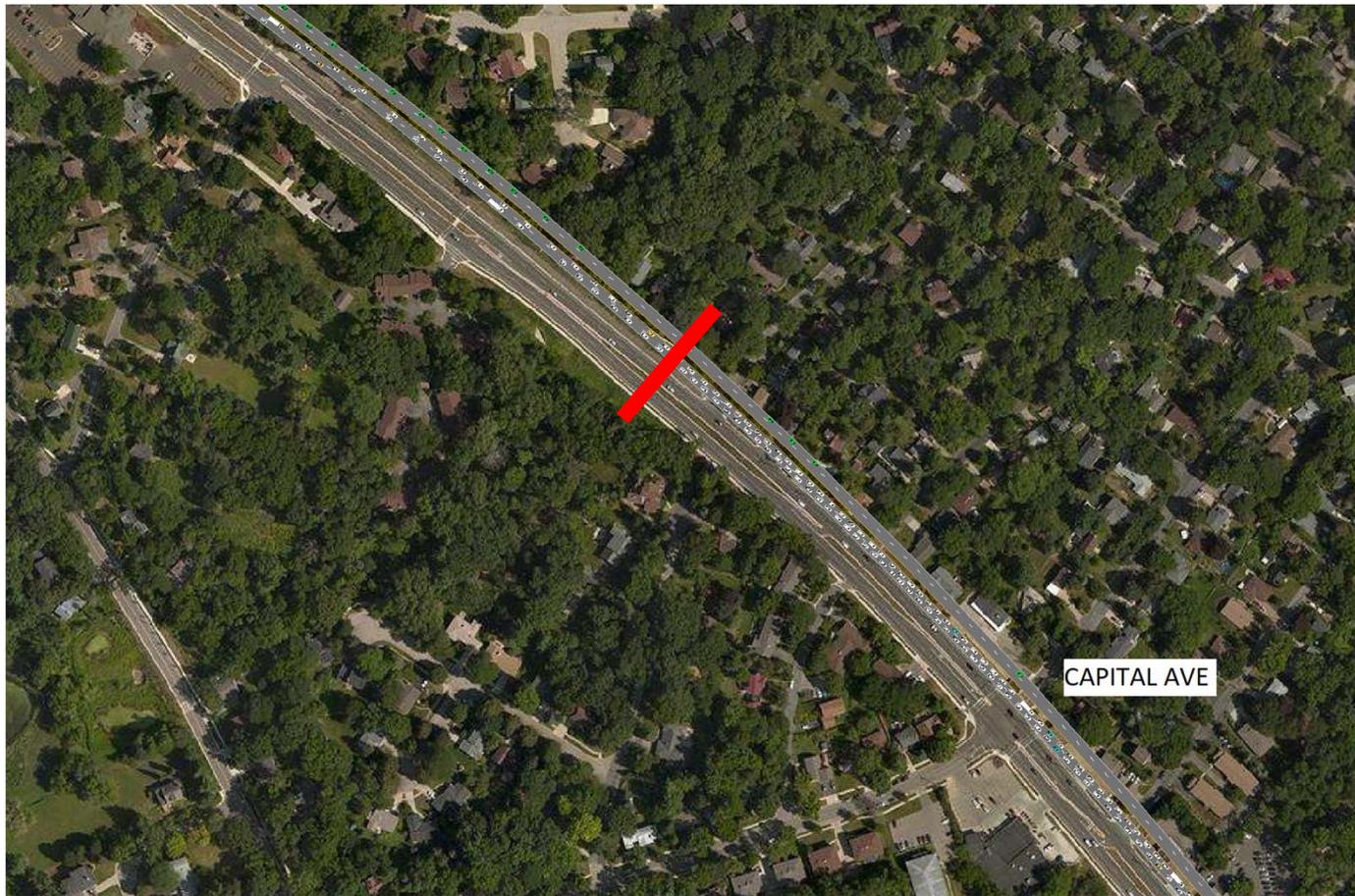


Dedicated Bus Lane Layout (Average Delay in Seconds)

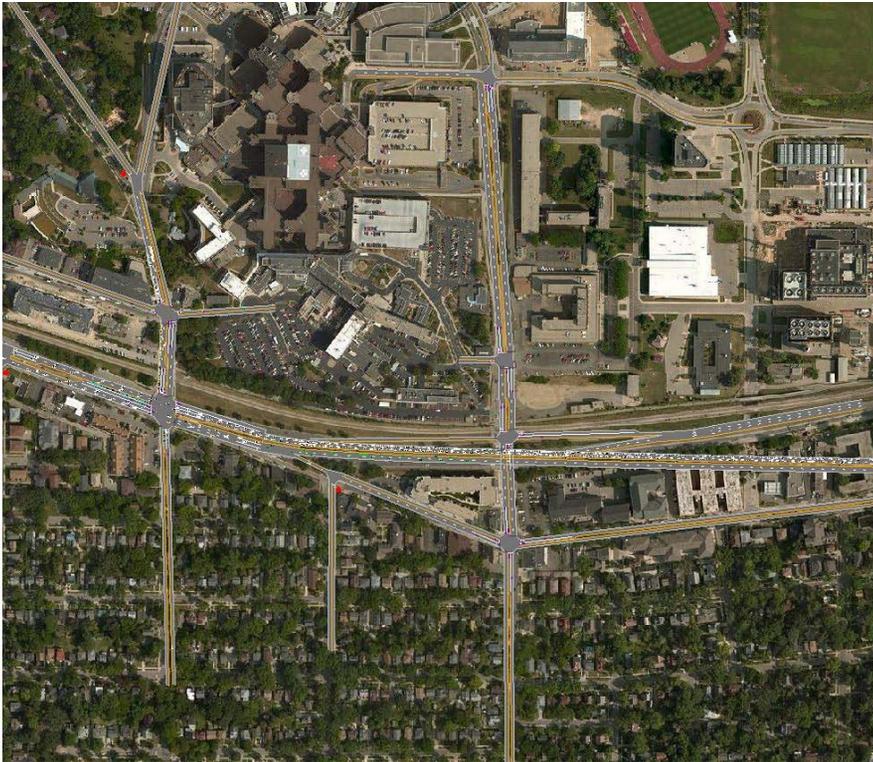
Modeled EB Queues – Reduced Lanes



Modeled EB Queues – Reduced Lanes



Modeled WB Queues – Reduced Lanes



QUEUES EXPECTED BETWEEN
PEDESTRIAN OVERPASS AND
BABCOCK DR.



BRT Technical Memo

Table 3. University Avenue Peak Hour Travel Times

Scenario	Cars		Buses	
Existing EB AM	5.1 min	--	6.5 min	--
Lower EB AM	4.0 min	(0.78x)	5.4 min	(0.83x)
Medium EB AM	4.1 min	(0.80x)	5.2 min	(0.80x)
Higher EB AM	11.2 min	2.20x	4.3 min	(0.66x)
Existing WB PM	4.7 min	--	6.2 min	--
Lower WB PM	4.1 min	(0.87x)	5.1 min	(0.82x)
Medium WB PM	5.0 min	1.06x	5.3 min ²	(0.85x)
Higher WB PM	12.7 min	2.70x	4.3 min	(0.69x)

EB = eastbound, WB = westbound

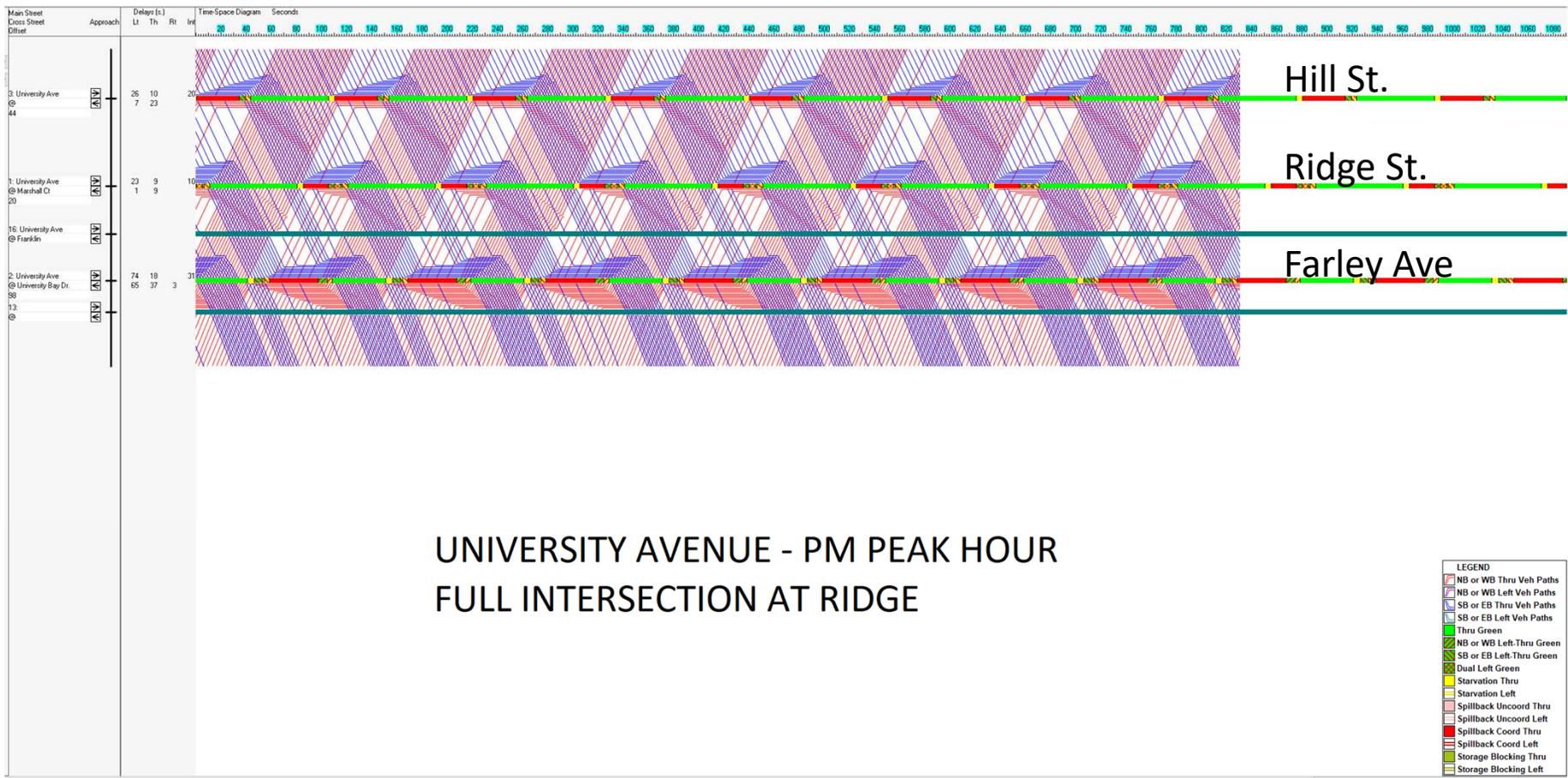
BRT Technical Memo

Table 6. University Avenue Operational Modifications for the Traffic Analysis

University Avenue Intersection	Lower BRT Scenario	Medium BRT Scenario	Higher BRT Scenario
Segoe Road	No Change	NBR/WBL advanced/extended green for BRT	Same as Medium
Hilldale Way	No Change	No Change	EB and WB Bus Lanes (one fewer GP lane)
Midvale Boulevard	No Change	EB: Right-turn/Bus bypass lane to far side pullout stop WB: GP lane shift, drop one GP as WBL, curb Bus bypass lane to far side in-lane stop	EB and WB Bus Lanes (one fewer GP lane)
Shorewood Boulevard	No Change	No Change	EB and WB Bus Lanes (one fewer GP lane)
University Bay Drive/ Farley Avenue	EB: far side pullout stop, dual EBL WB: Bus bypass lane to far side pullout stop	Same as Low	EB and WB Bus Lanes (one fewer GP lane)
<i>NBR = northbound right-turn, WBL = westbound left-turn, EB = eastbound, WB = westbound, EBL = eastbound left-turn</i>			



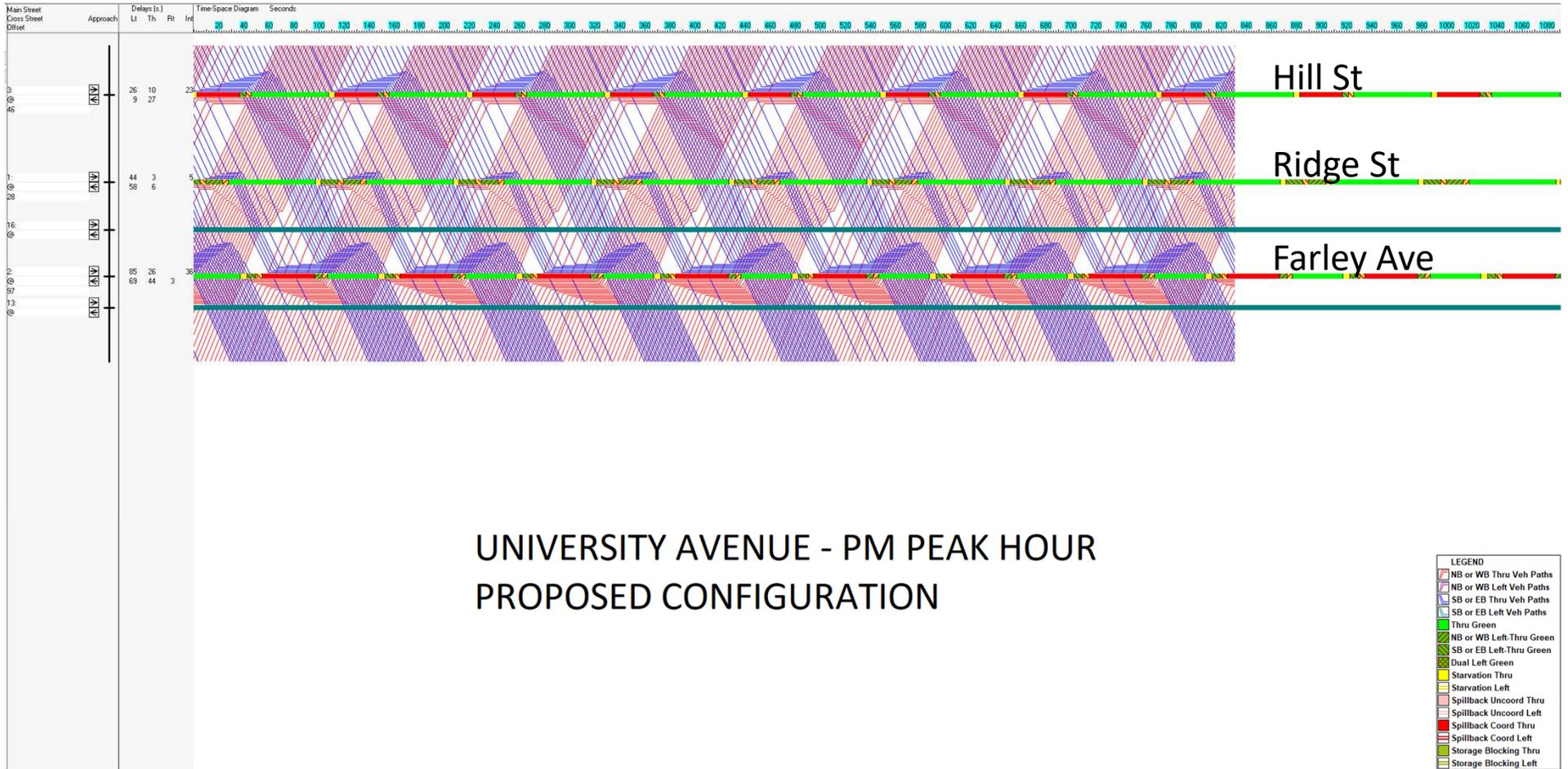
Ridge St. Intersection – Full Access



UNIVERSITY AVENUE - PM PEAK HOUR
FULL INTERSECTION AT RIDGE



Ridge St. Intersection – Current Layout



Ridge Street Intersection



Questions?

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