

Transportation Planning Study

Preliminary Findings



October 31, 2011

Existing Traffic Volume

		8:30-9:30 am	4:30-5:30 pm
Main Campus	Inbound	1806	1292
	<u>Outbound</u>	<u>886</u>	<u>1444</u>
	Total	2692	2736
1600 Valley Rd	Inbound	298	133
	<u>Outbound</u>	<u>25</u>	<u>220</u>
	Total	323	353
Total	Inbound	2104	1425
	<u>Outbound</u>	<u>911</u>	<u>1664</u>
	Total	3015	3089
Trips/Student		0.25	0.26
ITE Rate		0.21	0.21

Note: ITE Rate refers to Institute of Transportation Engineers Trip Generation Manual rate per student, which is based on a national sample of higher education facilities

Growth over Next 5 Years

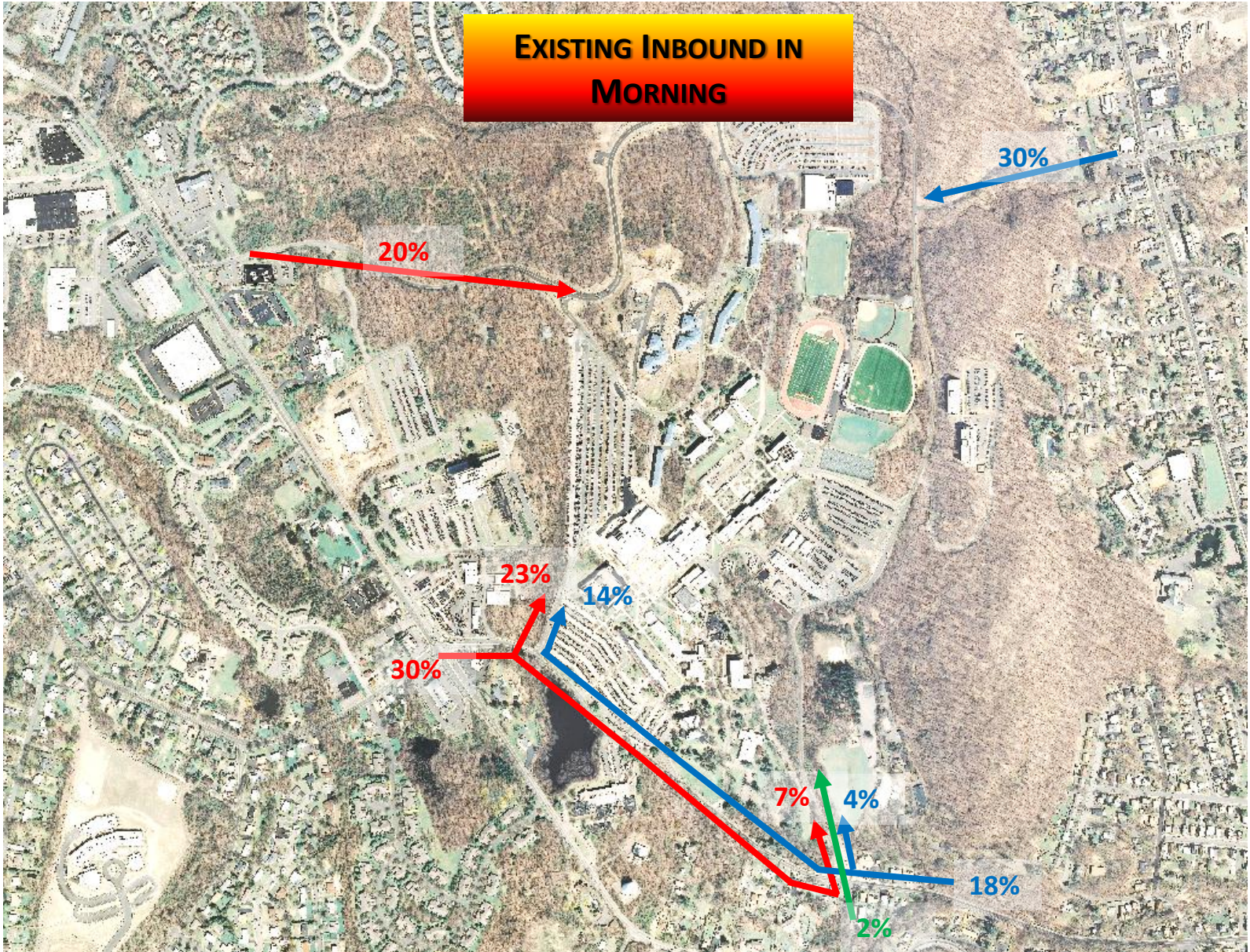
		8:30-9:30 am	4:30-5:30 pm
Main Campus	Inbound	99	44
Parking Lots	<u>Outbound</u>	<u>10</u>	<u>52</u>
	Total	109	96
Main Campus	Inbound	58	66
Pickup/Drop off	<u>Outbound</u>	<u>58</u>	<u>66</u>
	Total	116	132
1600 Valley Rd	Inbound	25	11
	<u>Outbound</u>	<u>2</u>	<u>18</u>
	Total	27	29
Total	Inbound	182	121
	<u>Outbound</u>	<u>70</u>	<u>136</u>
	Total	252	257

Note: Assumes growth to 13,000 students, equally distributed to Main Campus and 1600 Valley Road. Note that increased parking demand could be accommodated in Lot 6, Veritans, and 1,600 Valley Road.

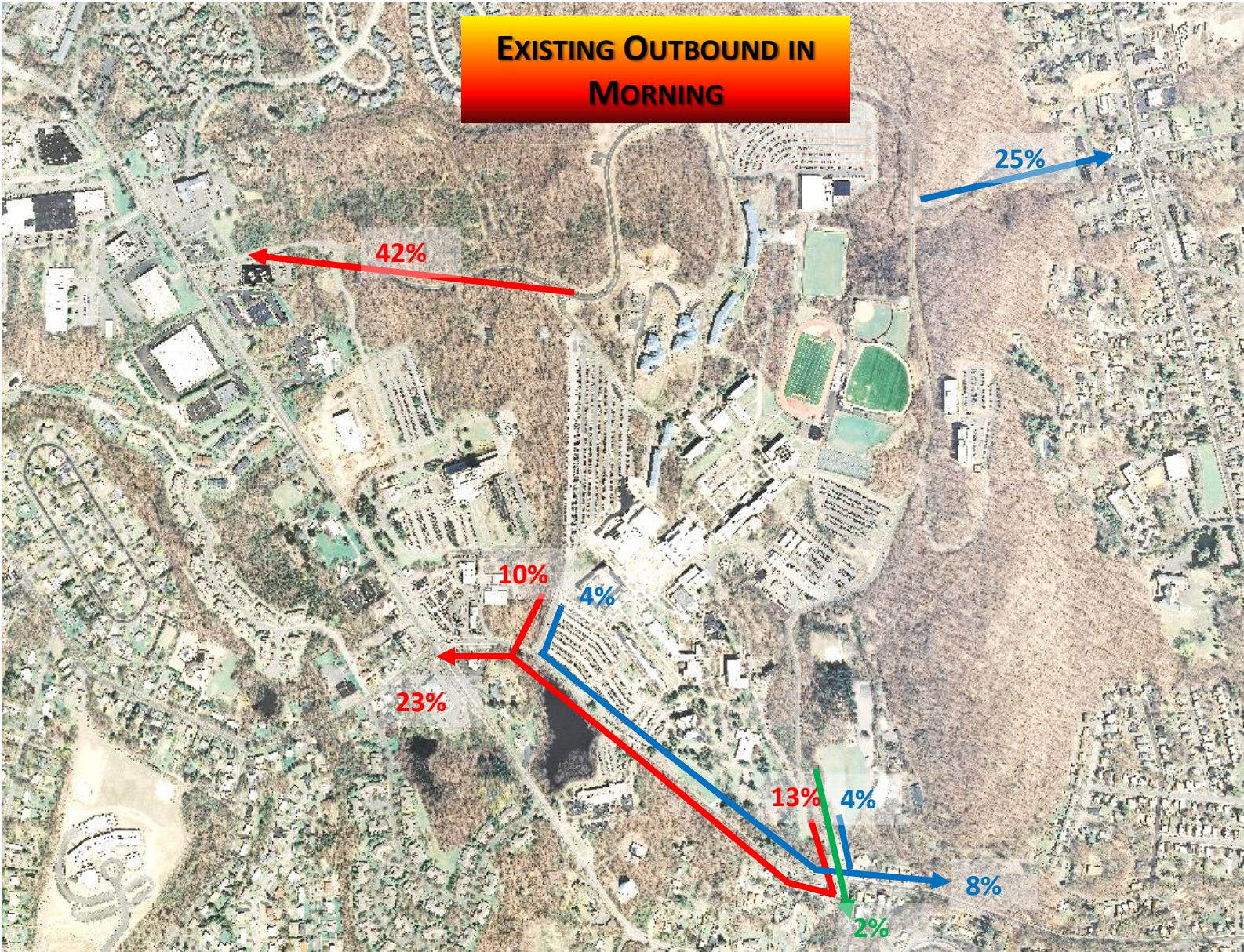
Total Future (2016) Traffic Volume

		8:30-9:30 am	4:30-5:30 pm
Main Campus	Inbound	1963	1402
	<u>Outbound</u>	<u>954</u>	<u>1562</u>
	Total	2917	2964
1600 Valley Rd	Inbound	323	144
	<u>Outbound</u>	<u>27</u>	<u>238</u>
	Total	350	382
Total	Inbound	2286	1546
	<u>Outbound</u>	<u>981</u>	<u>1800</u>
	Total	3267	3346

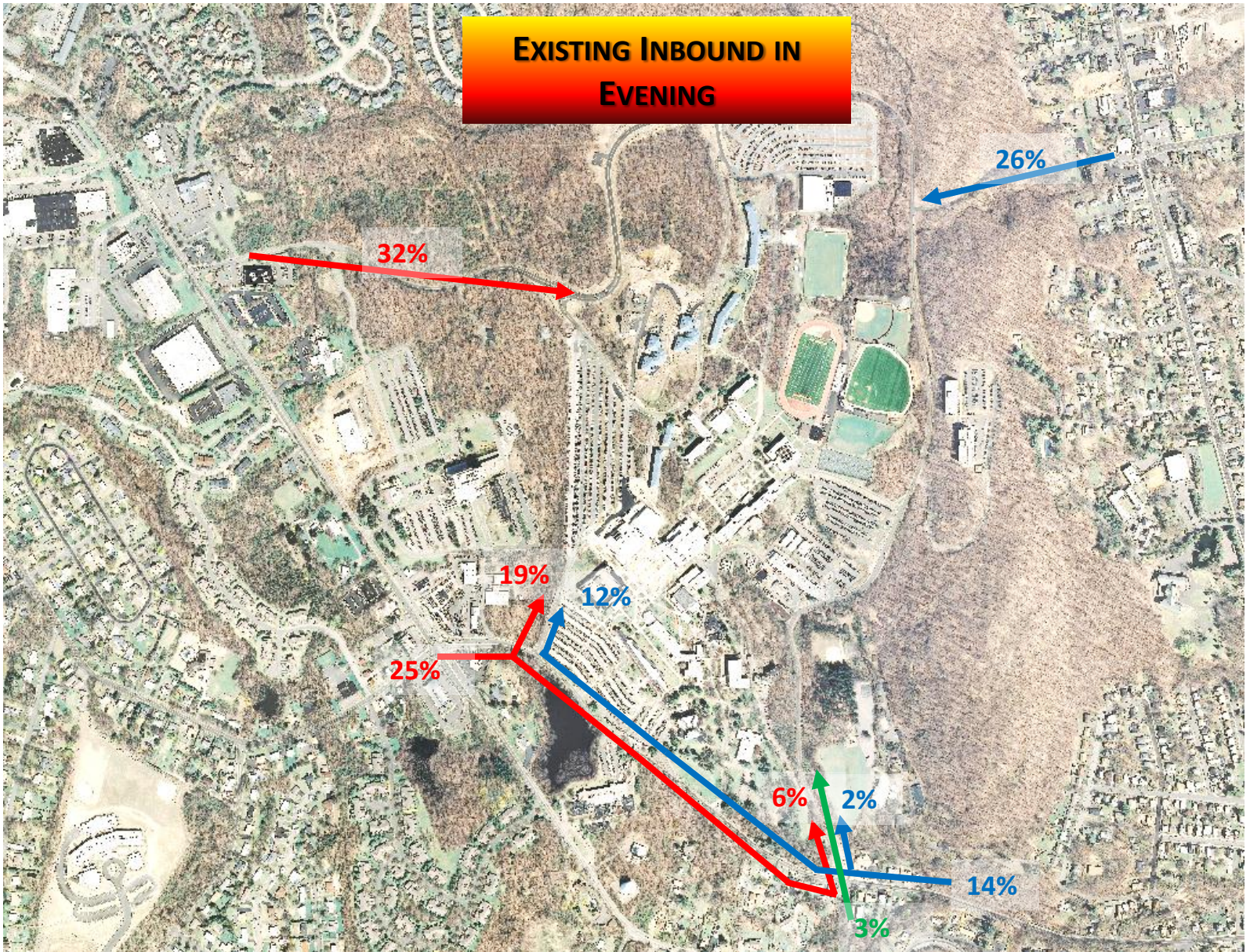
EXISTING INBOUND IN MORNING



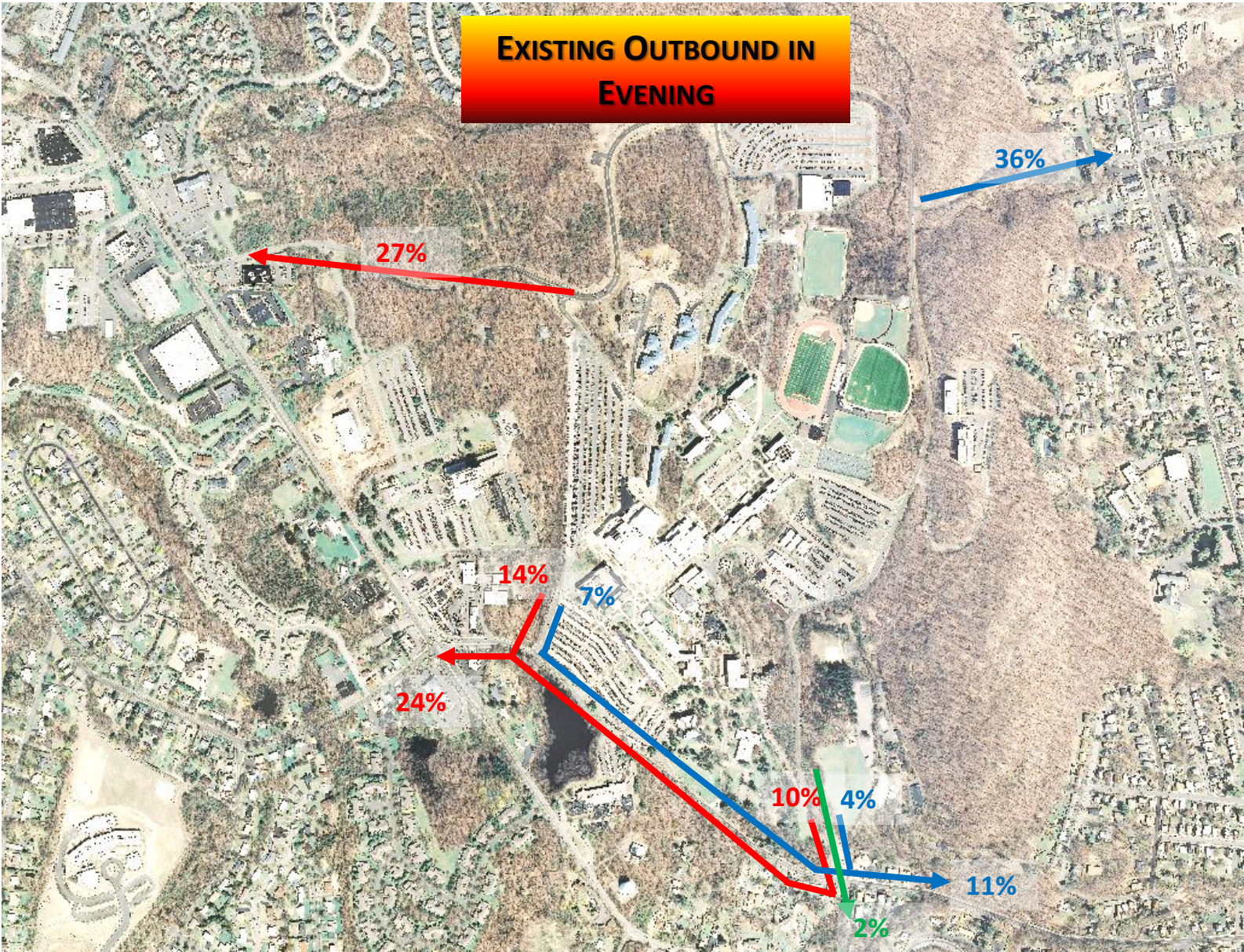
EXISTING OUTBOUND IN MORNING



EXISTING INBOUND IN EVENING



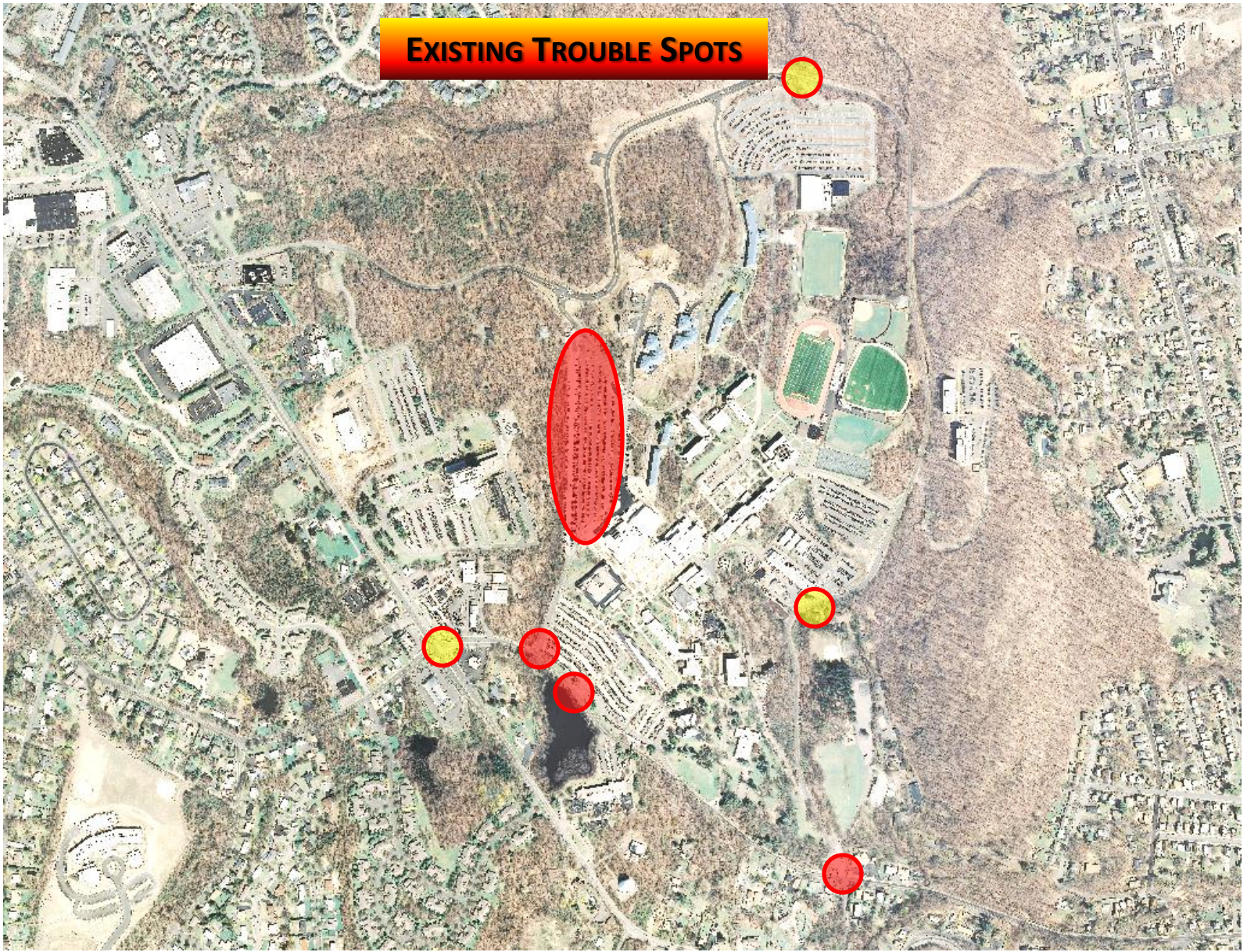
EXISTING OUTBOUND IN EVENING



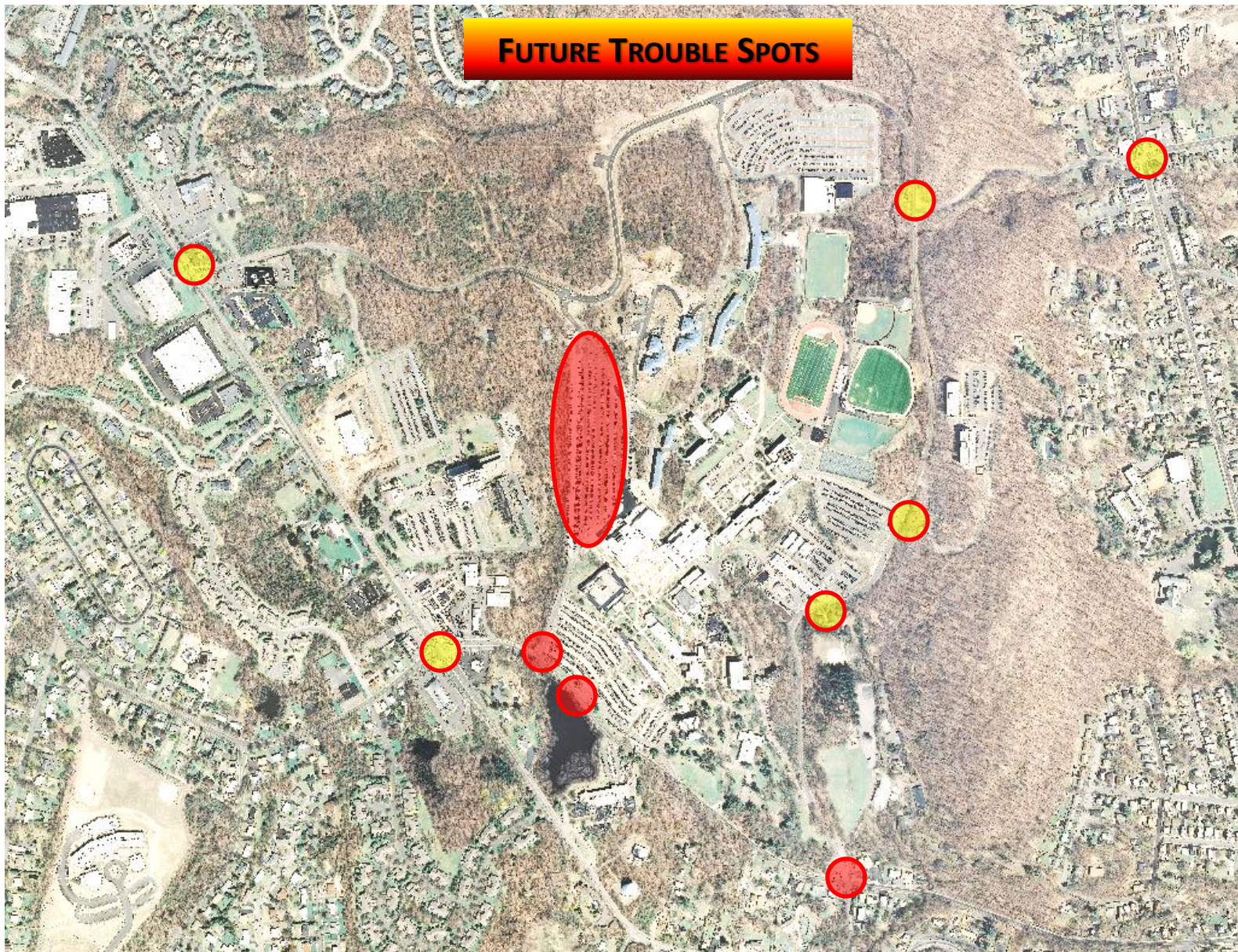
Parking Utilization

Parking Lot	Capacity	Existing	Future No Build	Future Build
Lot 1	131	134	134	112
Lot 2	347	347	347	291
Lot 3	292	290	290	243
Lot 4	378	382	382	320
Lot 5	897	902	902	755
Lot 6	874	802	874	581
Other	300	250	280	271
Veritans	200	40	200	0
1,600 Valley Rd	703	538	583	583
Deck	1,100	0	0	836
Total	4,122	3,685	3,992	3,992

EXISTING TROUBLE SPOTS



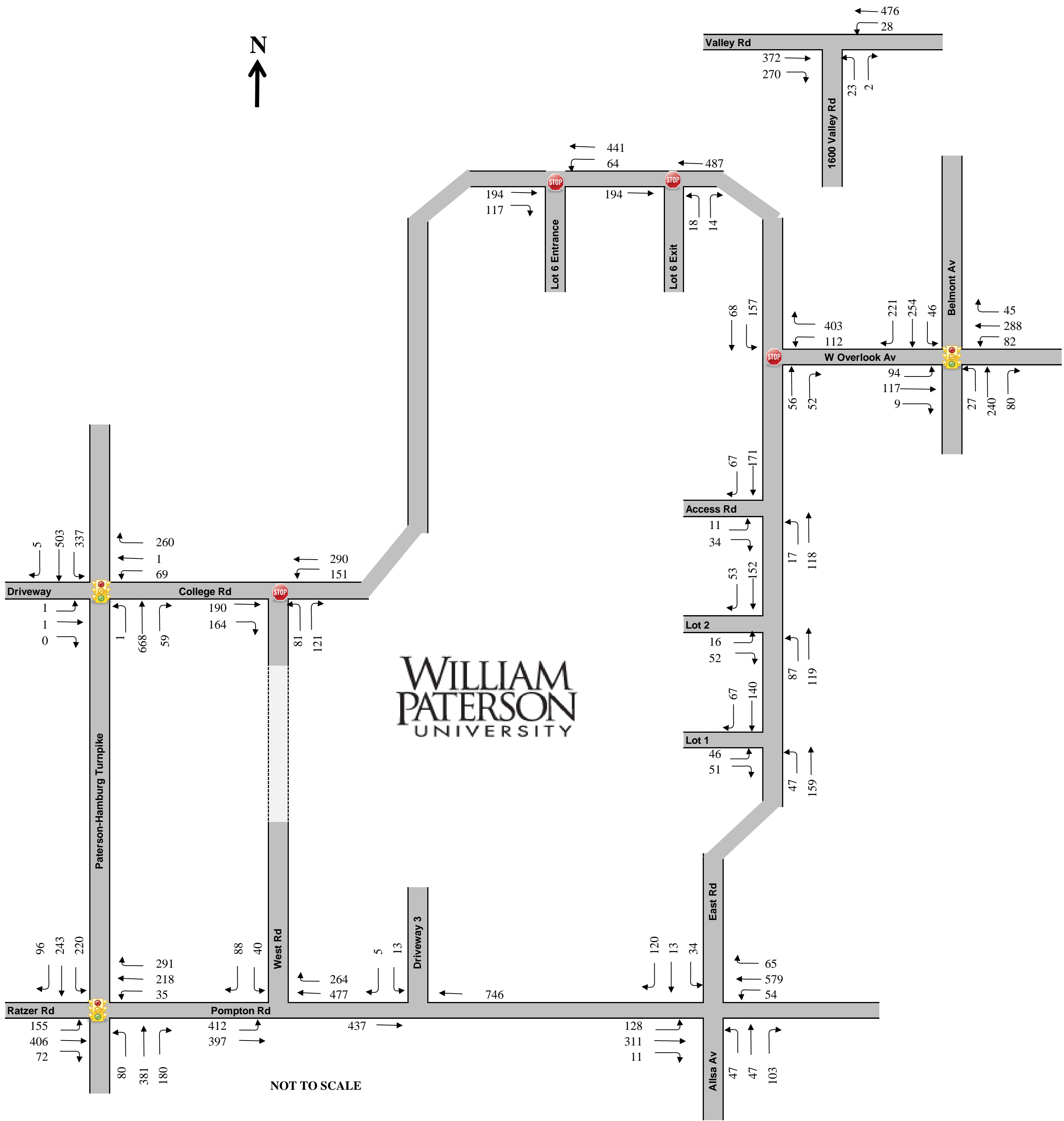
FUTURE TROUBLE SPOTS



Preliminary Traffic Schemes

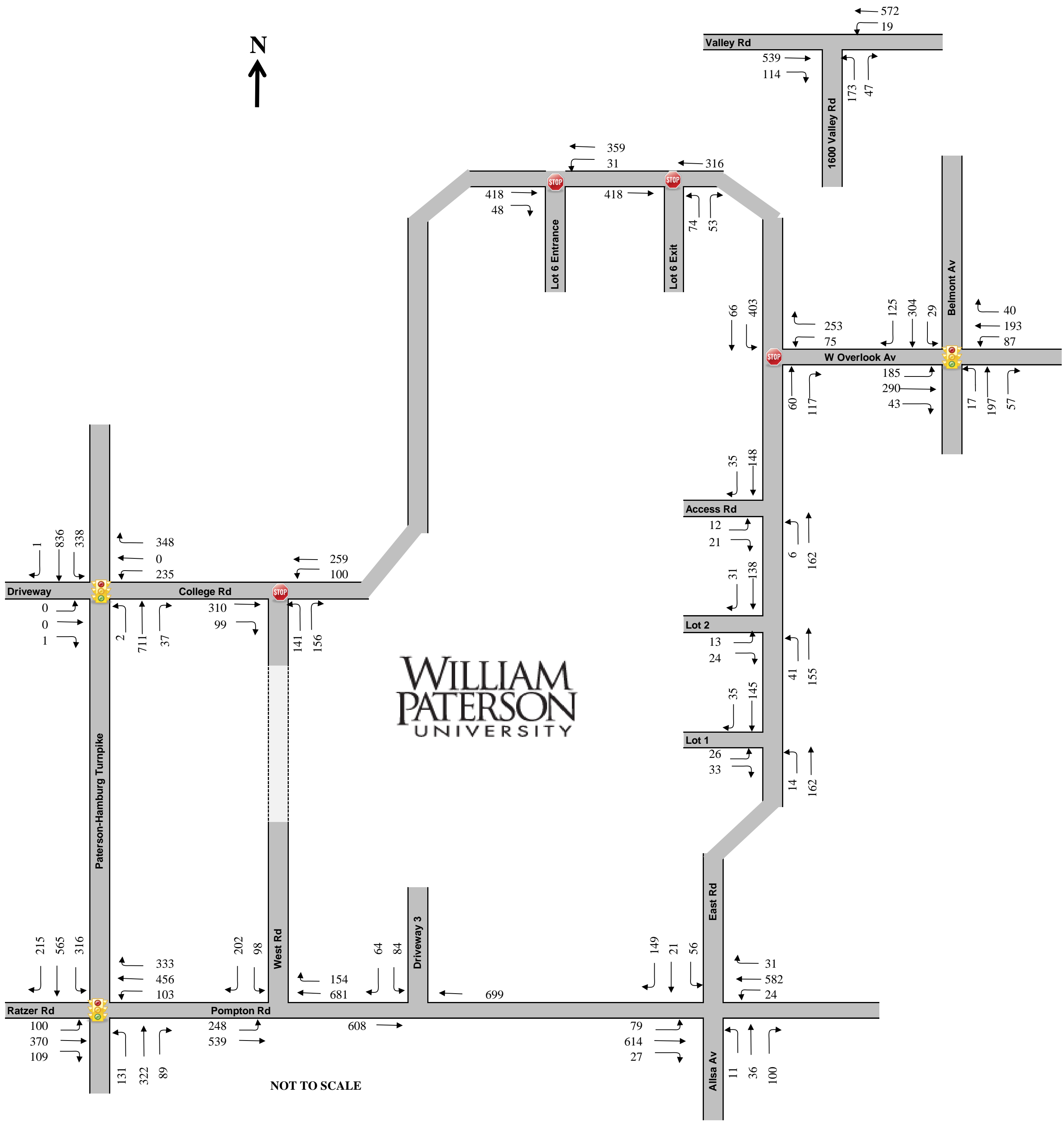
- Re-design Entry 4 to either separate ins and outs, or signalize in new location
- Signalize Entry 1
- Add Southbound left turn lane at East Drive and West Overlook
- Create ring road around Lot 5
- Redesign Parking Lot 1 entrance to combine with adjacent driveway
- Relocate Parking Lot 2 northerly driveway to be off access road
- Install multi-way stops at new deck access and East Drive
- Eliminate stops at Lot 6 entrance
- Add eastbound left arrow at Belmont & Overlook
- Retime signal at Paterson-Hamburg & Pompton/Ratzer
- Leave Paterson-Hamburg & College alone

WILLIAM PATERSON UNIVERSITY TRAFFIC AND TRANSPORTATION PLANNING STUDY



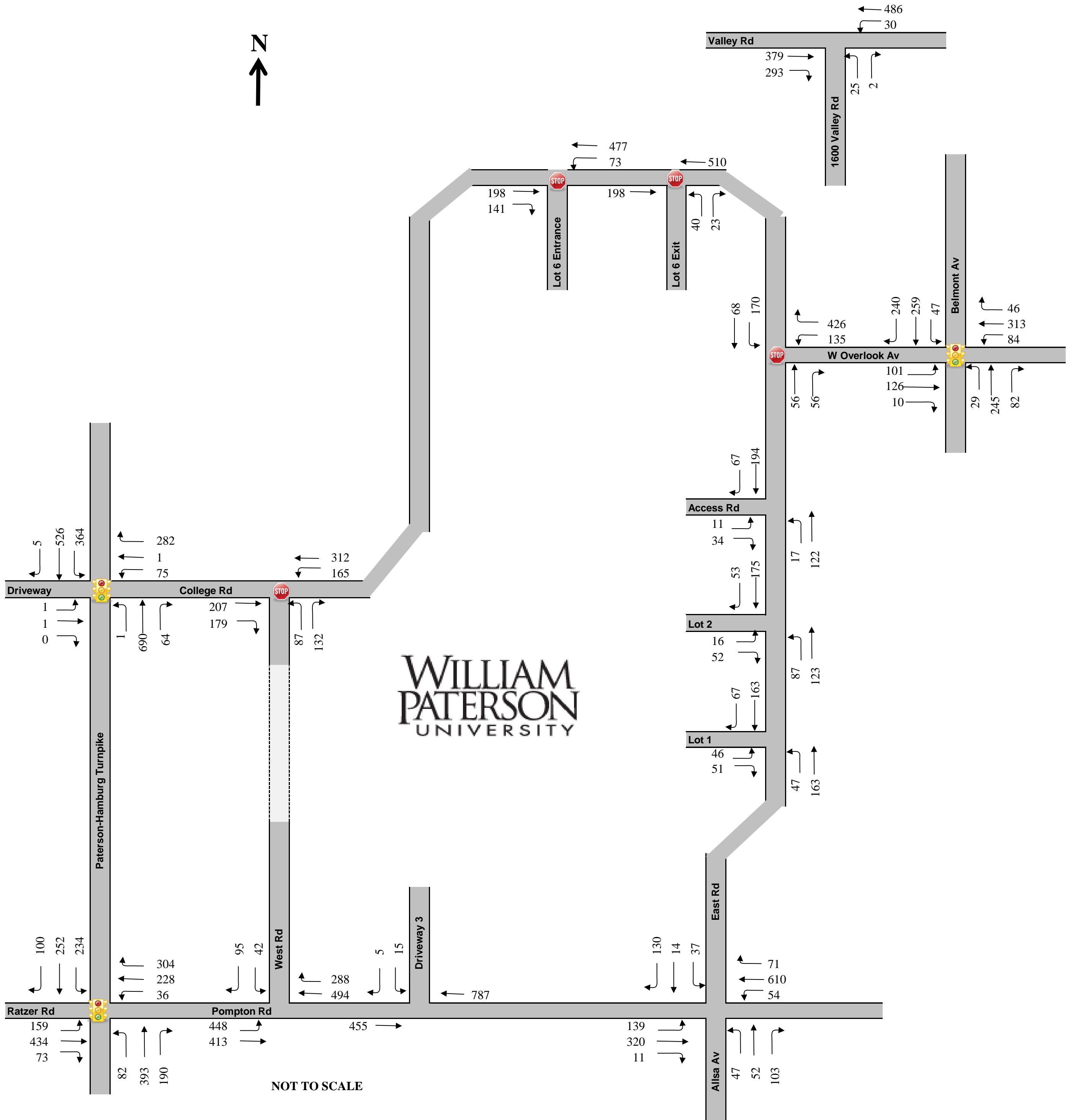
RBA EXISTING (FALL 2011)
8:30 - 9:30 am Traffic Volumes (vehicles/hour)

WILLIAM PATERSON UNIVERSITY TRAFFIC AND TRANSPORTATION PLANNING STUDY



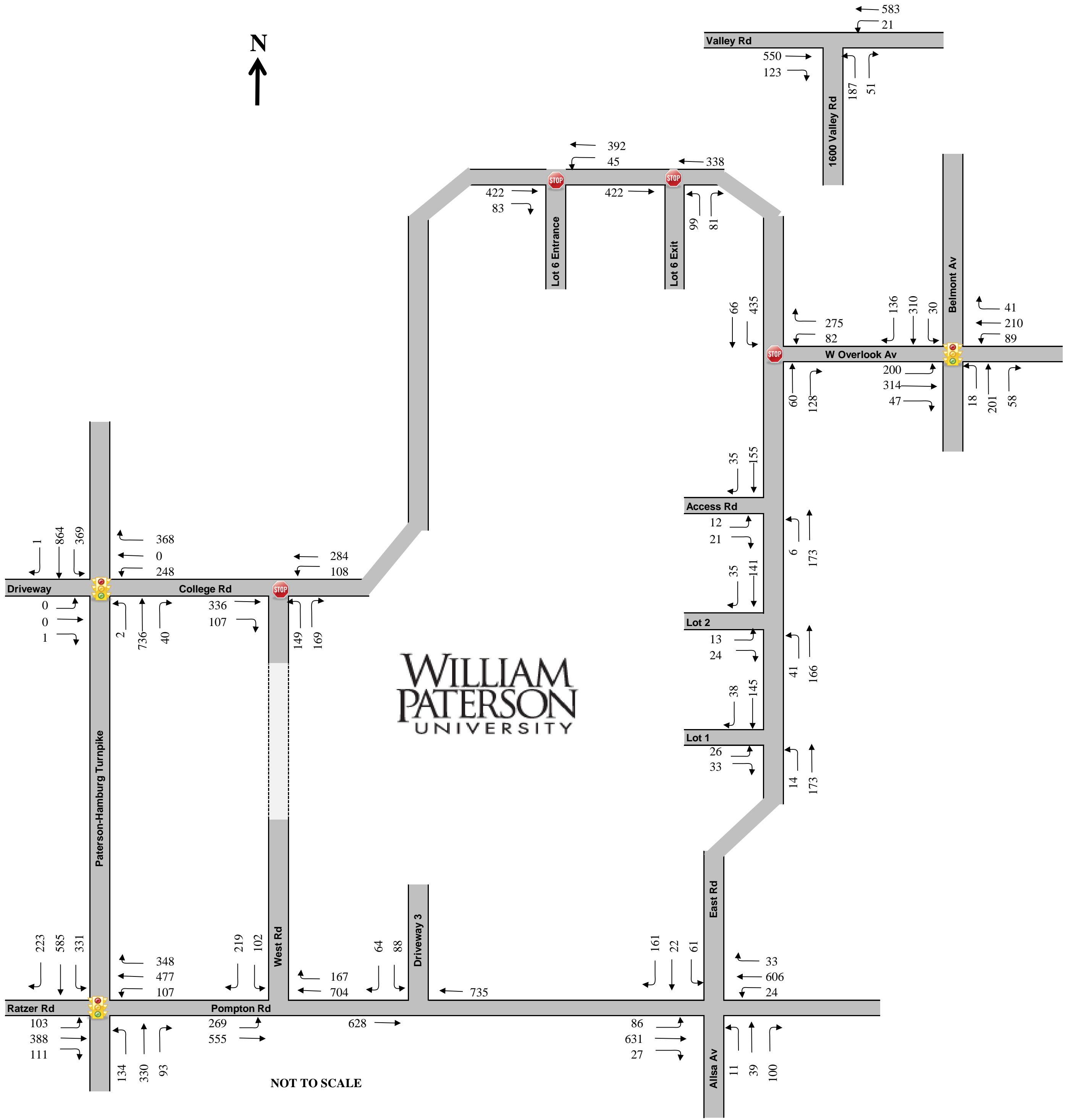
RBA EXISTING (FALL 2011)
4:30 - 5:30 pm Traffic Volumes (vehicles/hour)

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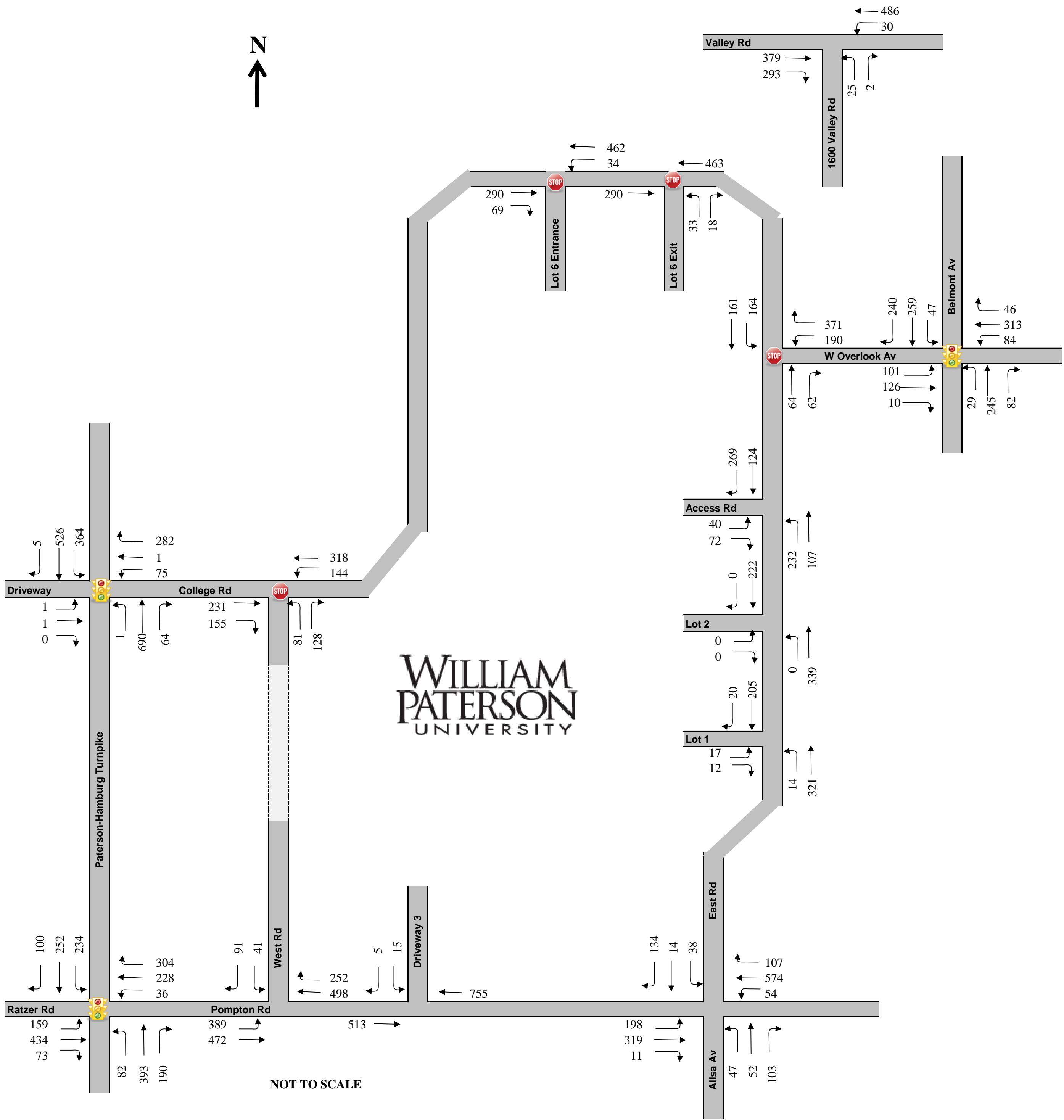
RBA FUTURE (2016) NO BUILD TRAFFIC
8:30 - 9:30 am Traffic Volumes (vehicles/hour)

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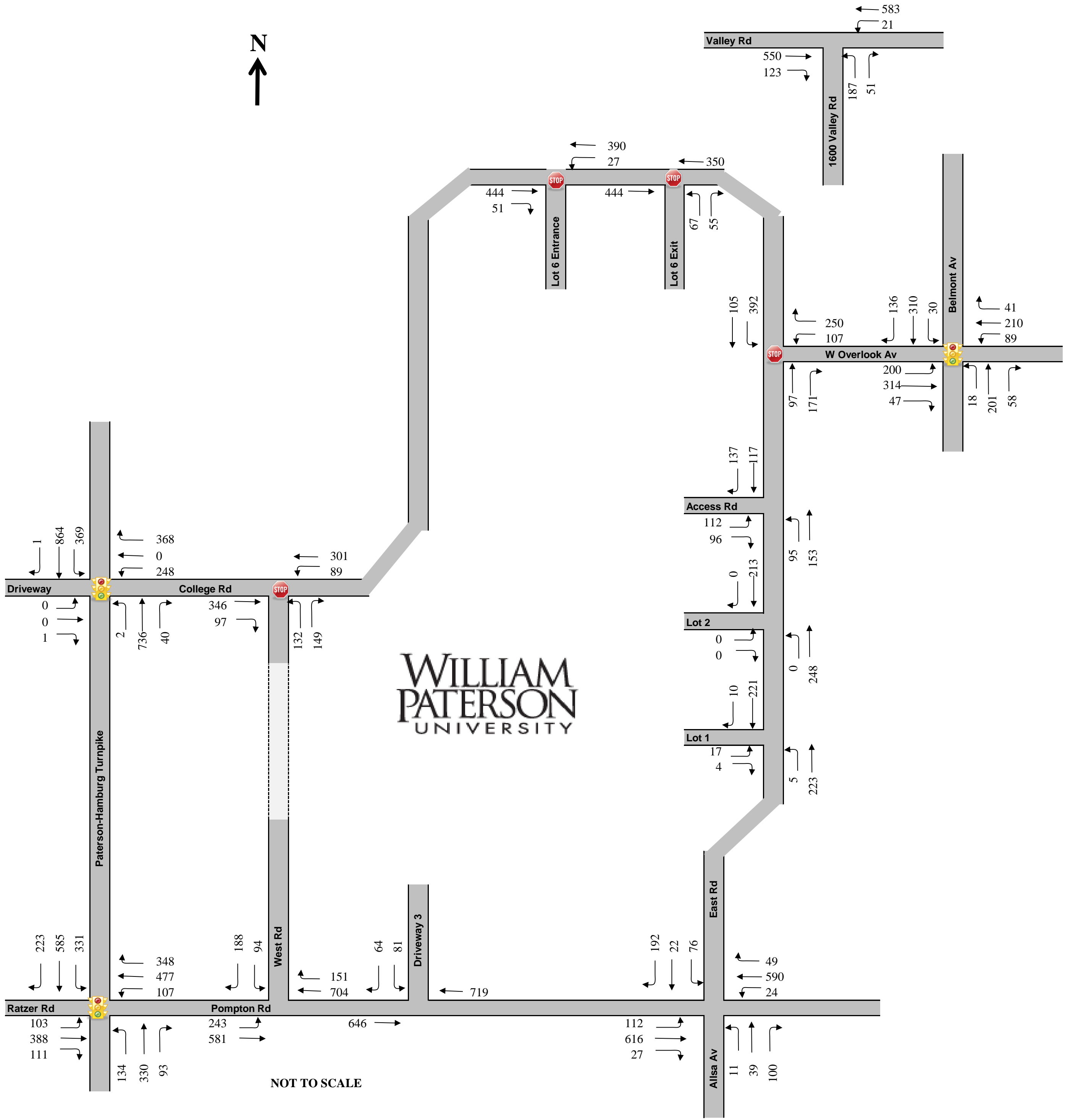
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