



Aronimink Elementary School TIS

Table 2

AM Peak Hour 95th Percentile Queue Results

Time Period:	Weekday AM Peak Hour		Done By: AMR						
			Chkd By: PFW						
Intersection	Approach	Direction / Movement	Storage Length ¹	2019 Existing		2029 No-Build		2029 Build	
			Existing/Proposed (Feet)	HCM (Vehicles)	HCM (Feet)	HCM (Vehicles)	HCM (Feet)	HCM (Vehicles)	HCM (Feet)
1) Burmont Road (SR 2007) and Marvine Avenue	Burmont Road (SR 2007)	EB Through	750	0	0	0	0	0	0
		EB Right Turn							
	Burmont Road (SR 2007)	WB Left Turn	225	0.1	2.5	0.1	2.5	0	0
		WB Through							
	Marvine Avenue	NB Left Turn	350	1	25	1	25	2.7	67.5
		NB Right Turn							
2) Marvine Avenue and Roberts Avenue / Driveway 1	Marvine Avenue	EB Left Turn	775	0.1	2.5	0.1	2.5	0.2	5
		EB Through							
		EB Right Turn							
	Driveway 1	WB Left Turn	175	0.1	2.5	0.1	2.5	1.2	30
		WB Through							
		WB Right Turn							
	Roberts Avenue	NB Left Turn	275	0.4	10	0.4	10	0.2	5
		NB Through							
		NB Right Turn							
	Marvine Avenue	SB Left Turn	350	0.4	10	0.4	10	0.3	7.5
		SB Through							
		SB Right Turn							
3) Bond Avenue and Roberts Avenue	Bond Avenue	EB Left Turn	200	0.2	5	0.2	5	0.3	7.5
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	175	0.2	5	0.2	5	0.1	2.5
		WB Through							
		WB Right Turn							
	Roberts Avenue	NB Left Turn	450	0.2	5	0.2	5	0.4	10
		NB Through							
		NB Right Turn							
	Roberts Avenue	SB Left Turn	250	0.2	5	0.2	5	0.5	12.5
		SB Through							
		SB Right Turn							



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			Intersection	Approach	Direction / Movement	Storage Length ¹ Existing/Proposed (Feet)	2019 Existing		2029 No-Build
HCM (Vehicles)	HCM (Feet)	HCM (Vehicles)					HCM (Feet)	HCM (Vehicles)	HCM (Feet)
4) Bond Avenue and Anderson Avenue / Driveway 2	Bond Avenue	EB Left Turn	175	0.2	5	0.2	5	0	0
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	175	0.2	5	0.2	5	0	0
		WB Through							
		WB Right Turn							
	Driveway 2	SB Left Turn	125	0	0	0	0	0	0
		SB Through							
		SB Right Turn							
5) Bond Avenue and Alexander Avenue	Bond Avenue	EB Through	175	0.1	2.5	0.1	2.5	0	0
		EB Right Turn							
	Bond Avenue	WB Left Turn	200	0.2	5	0.2	5	1	25
		WB Through							
	Alexander Avenue	NB Left Turn	450	0.1	2.5	0.1	2.5	0.1	2.5
		NB Right Turn							
6) Burmont Road (SR 2007) and Bond Avenue	Bond Avenue	EB Left Turn	200	0.5	12.5	0.5	12.5	0.8	20
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	125	0.5	12.5	0.5	12.5	1.4	35
		WB Through							
		WB Right Turn							
	Burmout Road (SR 2007)	NB Left Turn	450	0	0	0	0	0.2	5
		NB Through							
		NB Right Turn							
	Burmout Road (SR 2007)	SB Left Turn	275	0	0	0	0	0	0
		SB Through							
		SB Right Turn							

¹For through movements, the distance is measured to the nearest intersection or major driveway.



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AM Peak Hour 95th Percentile Queue Results

Time Period:	Weekday PM Peak Hour		Done By: AMR Chkd By: PFW						
			Intersection	Approach	Direction / Movement	Storage Length ¹	2019 Existing		2029 No-Build
Existing/Proposed (Feet)	HCM (Vehicles)	HCM (Feet)				HCM (Vehicles)	HCM (Feet)	HCM (Vehicles)	HCM (Feet)
1) Burmont Road (SR 2007) and Marvine Avenue	Burmont Road (SR 2007)	EB Through	750	0	0	0	0	0	0
		EB Right Turn							
	Burmont Road (SR 2007)	WB Left Turn	225	0.1	2.5	0.1	2.5	0	0
		WB Through							
	Marvine Avenue	NB Left Turn	350	0.9	22.5	0.9	22.5	1.2	30
		NB Right Turn							
2) Marvine Avenue and Roberts Avenue / Driveway 1	Marvine Avenue	EB Left Turn	775	0.1	2.5	0.1	2.5	0.1	2.5
		EB Through							
		EB Right Turn							
	Driveway 1	WB Left Turn	175	0.1	2.5	0.1	2.5	0.6	15
		WB Through							
		WB Right Turn							
	Roberts Avenue	NB Left Turn	275	0.2	5	0.2	5	0.2	5
		NB Through							
		NB Right Turn							
	Marvine Avenue	SB Left Turn	350	0.3	7.5	0.3	7.5	0.3	7.5
SB Through									
SB Right Turn									
3) Bond Avenue and Roberts Avenue	Bond Avenue	EB Left Turn	200	0.1	2.5	0.2	5	0.2	5
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	175	0.1	2.5	0.1	2.5	0.1	2.5
		WB Through							
		WB Right Turn							
	Roberts Avenue	NB Left Turn	450	0.1	2.5	0.1	2.5	0.2	5
		NB Through							
		NB Right Turn							
	Roberts Avenue	SB Left Turn	250	0.3	7.5	0.3	7.5	0.4	10
SB Through									
SB Right Turn									



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			Intersection	Approach	Direction / Movement	Storage Length ¹ Existing/Proposed (Feet)	2019 Existing		2029 No-Build
HCM (Vehicles)	HCM (Feet)	HCM (Vehicles)					HCM (Feet)	HCM (Vehicles)	HCM (Feet)
4) Bond Avenue and Anderson Avenue / Driveway 2	Bond Avenue	EB Left Turn	175	0.1	2.5	0.1	2.5	0	0
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	175	0.2	5	0.2	5	0	0
		WB Through							
		WB Right Turn							
	Driveway 2	SB Left Turn	125	0.1	2.5	0.1	2.5	0	0
		SB Through							
		SB Right Turn							
5) Bond Avenue and Alexander Avenue	Bond Avenue	EB Through	175	0.2	5	0.2	5	0.1	2.5
		EB Right Turn							
	Bond Avenue	WB Left Turn	200	0.1	2.5	0.1	2.5	0.4	10
		WB Through							
	Alexander Avenue	NB Left Turn	450	0.1	2.5	0.1	2.5	0.1	2.5
		NB Right Turn							
6) Burmont Road (SR 2007) and Bond Avenue	Bond Avenue	EB Left Turn	200	0.4	10	0.4	10	0.4	10
		EB Through							
		EB Right Turn							
	Bond Avenue	WB Left Turn	125	0.4	10	0.4	10	0.7	17.5
		WB Through							
		WB Right Turn							
	Burmout Road (SR 2007)	NB Left Turn	450	0	0	0	0	0.1	2.5
		NB Through							
		NB Right Turn							
	Burmout Road (SR 2007)	SB Left Turn	275	0	0	0	0	0	0
SB Through									
SB Right Turn									

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