



Appendix E:

Volume Development Sheets



TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Mt. Pleasant Road (SR 4010)
1

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				42		6		140	15	21	216		440
Heavy Vehicles				7				27	4	5	17		60
Balancing													0
2025 Existing Volumes (Balanced)	0	0	0	42	0	6	0	140	15	21	216	0	440
2030 Base Growth (10%)	0	0	0	4	0	1	0	14	2	2	22	0	45
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	46	0	7	0	154	17	23	238	0	485
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								2			6		8
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential								2			1		3
Westmount Residential								2			1		3
Total Background Development Trips	0	0	0	0	0	0	0	6	0	0	8	0	14
2030 Base (No-Build) Volumes	0	0	0	46	0	7	0	160	17	23	246	0	499
SITE TRIPS													
New Passenger Vehicle Trips				7		3			23	9			42
New Truck Trips													0
Total Site Trip Distribution	0	0	0	7	0	3	0	0	23	9	0	0	42
2030 Projected (Build) Volumes	0	0	0	53	0	10	0	160	40	32	246	0	541
2035 Base Growth (15%)	0	0	0	6	0	1	0	21	2	3	32	0	65
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	48	0	7	0	161	17	24	248	0	505
2035 Base (No-Build) Volumes	0	0	0	48	0	7	0	167	17	24	256	0	519
2035 Projected (Build) Volumes	0	0	0	55	0	10	0	167	40	33	256	0	561
Existing Condition HV%	0%	0%	0%	17%	0%	0%	0%	19%	27%	24%	8%	0%	0.92
Base Condition HV%	0%	0%	0%	17%	0%	0%	0%	19%	27%	24%	8%	0%	
Projected HV %	0%	0%	0%	17%	0%	0%	0%	19%	27%	24%	8%	0%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				15		15		273	49	19	165		536
Heavy Vehicles				3		2		14	1		5		25
Balancing													0
2025 Existing Volumes (Balanced)	0	0	0	15	0	15	0	273	49	19	165	0	536
2030 Base Growth (10%)	0	0	0	2	0	2	0	27	5	2	17	0	55
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	17	0	17	0	300	54	21	182	0	591
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								6			2		8
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential								1			2		3
Westmount Residential								2			3		5
Total Background Development Trips	0	0	0	0	0	0	0	9	0	0	7	0	16
2030 Base (No-Build) Volumes	0	0	0	17	0	17	0	309	54	21	189	0	607
SITE TRIPS													
New Passenger Vehicle Trips				27		12			8	3			50
New Truck Trips													0
Total Site Trip Distribution	0	0	0	27	0	12	0	0	8	3	0	0	50
2030 Projected (Build) Volumes	0	0	0	44	0	29	0	309	62	24	189	0	657
2035 Base Growth (15%)	0	0	0	2	0	2	0	41	7	3	25	0	80
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	17	0	17	0	314	56	22	190	0	616
2035 Base (No-Build) Volumes	0	0	0	17	0	17	0	323	56	22	197	0	632
2035 Projected (Build) Volumes	0	0	0	44	0	29	0	323	64	25	197	0	682
Existing Condition HV%	0%	0%	0%	20%	0%	13%	0%	5%	2%	0%	3%	0%	0.94
Base Condition HV%	0%	0%	0%	20%	0%	13%	0%	5%	2%	0%	3%	0%	
Projected HV %	0%	0%	0%	20%	0%	13%	0%	5%	2%	0%	3%	0%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Steel Way
2

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				20		1		140	75	16	266		518
Heavy Vehicles				8				30			28		66
Balancing													0
2025 Existing Volumes (Balanced)	0	0	0	20	0	1	0	140	75	16	266	0	518
2030 Base Growth (10%)	0	0	0	2	0	0	0	14	8	2	27	0	53
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	22	0	1	0	154	83	18	293	0	571
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								2			6		8
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential								2			1		3
Westmount Residential								2			1		3
Total Background Development Trips	0	0	0	0	0	0	0	6	0	0	8	0	14
2030 Base (No-Build) Volumes	0	0	0	22	0	1	0	160	83	18	301	0	585
SITE TRIPS													
New Passenger Vehicle Trips				20				23	66		7		116
New Truck Trips				19					24				43
Total Site Trip Distribution	0	0	0	39	0	0	0	23	90	0	7	0	159
2030 Projected (Build) Volumes	0	0	0	61	0	1	0	183	173	18	308	0	744
2035 Base Growth (15%)	0	0	0	3	0	0	0	21	11	2	40	0	77
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	23	0	1	0	161	86	18	306	0	595
2035 Base (No-Build) Volumes	0	0	0	23	0	1	0	167	86	18	314	0	609
2035 Projected (Build) Volumes	0	0	0	62	0	1	0	190	176	18	321	0	768
Existing Condition HV%	0%	0%	0%	40%	0%	0%	0%	21%	0%	0%	11%	0%	0.93
Base Condition HV%	0%	0%	0%	40%	0%	0%	0%	21%	0%	0%	11%	0%	
Projected HV %	0%	0%	0%	44%	0%	0%	0%	21%	14%	0%	11%	0%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				138		58		240	13	4	176		629
Heavy Vehicles				4		1		26	4	1	13		49
Balancing													0
2025 Existing Volumes (Balanced)	0	0	0	138	0	58	0	240	13	4	176	0	629
2030 Base Growth (10%)	0	0	0	14	0	6	0	24	1	0	18	0	63
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	152	0	64	0	264	14	4	194	0	692
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								6			2		8
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential								1			2		3
Westmount Residential								2			3		5
Total Background Development Trips	0	0	0	0	0	0	0	9	0	0	7	0	16
2030 Base (No-Build) Volumes	0	0	0	152	0	64	0	273	14	4	201	0	708
SITE TRIPS													
New Passenger Vehicle Trips				80				8	22		27		137
New Truck Trips				21					23				44
Total Site Trip Distribution	0	0	0	101	0	0	0	8	45	0	27	0	181
2030 Projected (Build) Volumes	0	0	0	253	0	64	0	281	59	4	228	0	889
2035 Base Growth (15%)	0	0	0	21	0	9	0	36	2	1	26	0	95
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	159	0	67	0	276	15	5	202	0	724
2035 Base (No-Build) Volumes	0	0	0	159	0	67	0	285	15	5	209	0	740
2035 Projected (Build) Volumes	0	0	0	260	0	67	0	293	60	5	236	0	921
Existing Condition HV%	0%	0%	0%	3%	0%	2%	0%	11%	31%	25%	7%	0%	0.75
Base Condition HV%	0%	0%	0%	3%	0%	2%	0%	11%	31%	25%	7%	0%	
Projected HV %	0%	0%	0%	10%	0%	2%	0%	11%	46%	25%	7%	0%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Route 283 West Ramps
3

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				320		103	529	111			191	74	1328
Heavy Vehicles				21		15	19	19			26	9	109
Balancing				6			19	20			6		51
2025 Existing Volumes (Balanced)	0	0	0	326	0	103	548	131	0	0	197	74	1379
2030 Base Growth (10%)	0	0	0	33	0	10	55	13	0	0	20	7	138
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	359	0	113	603	144	0	0	217	81	1517
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips				8			3	2			6		19
156 W. Harrisburg Ave Warehouse - Truck Trips				2			2						4
Pennmark Full Build-Out													0
Westbrooke Residential				3			8	2			1		14
Westmount Residential				6			10	2			1		19
Total Background Development Trips	0	0	0	19	0	0	23	6	0	0	8	0	56
2030 Base (No-Build) Volumes	0	0	0	378	0	113	626	150	0	0	225	81	1573
SITE TRIPS													
New Passenger Vehicle Trips						38		51			20	7	116
New Truck Trips						13		11			11	8	43
Total Site Trip Distribution	0	0	0	0	0	51	0	62	0	0	31	15	159
2030 Projected (Build) Volumes	0	0	0	378	0	164	626	212	0	0	256	96	1732
2035 Base Growth (15%)	0	0	0	49	0	15	82	20	0	0	30	11	207
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	375	0	118	630	151	0	0	227	85	1586
2035 Base (No-Build) Volumes	0	0	0	394	0	118	653	157	0	0	235	85	1642
2035 Projected (Build) Volumes	0	0	0	394	0	169	653	219	0	0	266	100	1801
Existing Condition HV%	0%	0%	0%	7%	0%	15%	4%	17%	0%	0%	14%	12%	0.93
Base Condition HV%	0%	0%	0%	7%	0%	15%	4%	17%	0%	0%	14%	12%	
Projected HV %	0%	0%	0%	7%	0%	17%	4%	17%	0%	0%	14%	18%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts				566		143	275	170			185	49	1388
Heavy Vehicles				16		8	16	12			6	4	62
Balancing				3			8	10			4		25
2025 Existing Volumes (Balanced)	0	0	0	569	0	143	283	180	0	0	189	49	1413
2030 Base Growth (10%)	0	0	0	57	0	14	28	18	0	0	19	5	141
2030 Base (No-Build) Volumes - Growth Rate Only	0	0	0	626	0	157	311	198	0	0	208	54	1554
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips				3			13	6			2		24
156 W. Harrisburg Ave Warehouse - Truck Trips				4			2						6
Pennmark Full Build-Out													0
Westbrooke Residential				12			6	1			2		21
Westmount Residential				13			6	2			3		24
Total Background Development Trips	0	0	0	32	0	0	27	9	0	0	7	0	75
2030 Base (No-Build) Volumes	0	0	0	658	0	157	338	207	0	0	215	54	1629
SITE TRIPS													
New Passenger Vehicle Trips						13		17			80	27	137
New Truck Trips						13		10			12	9	44
Total Site Trip Distribution	0	0	0	0	0	26	0	27	0	0	92	36	181
2030 Projected (Build) Volumes	0	0	0	658	0	183	338	234	0	0	307	90	1810
2035 Base Growth (15%)	0	0	0	85	0	21	42	27	0	0	28	7	210
2035 Base (No-Build) Volumes - Growth Rate Only	0	0	0	654	0	164	325	207	0	0	217	56	1623
2035 Base (No-Build) Volumes	0	0	0	686	0	164	352	216	0	0	224	56	1698
2035 Projected (Build) Volumes	0	0	0	686	0	190	352	243	0	0	316	92	1879
Existing Condition HV%	0%	0%	0%	3%	0%	6%	6%	7%	0%	0%	3%	8%	0.96
Base Condition HV%	0%	0%	0%	3%	0%	6%	6%	7%	0%	0%	3%	8%	
Projected HV %	0%	0%	0%	3%	0%	11%	6%	9%	0%	0%	6%	14%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Route 283 East Ramps
4

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	32		245					647	558	127	396		2005
Heavy Vehicles	7		18					30	15	15	25		110
Balancing			29										29
2025 Existing Volumes (Balanced)	32	0	274	0	0	0	0	647	558	127	396	0	2034
2030 Base Growth (10%)	3	0	27	0	0	0	0	65	56	13	40	0	204
2030 Base (No-Build) Volumes - Growth Rate Only	35	0	301	0	0	0	0	712	614	140	436	0	2238
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips			14					5	2		14		35
156 W. Harrisburg Ave Warehouse - Truck Trips			2					2	2		2		8
Pennmark Full Build-Out													0
Westbrooke Residential			3					10	12		4		29
Westmount Residential			4					12	14		7		37
Total Background Development Trips	0	0	23	0	0	0	0	29	30	0	27	0	109
2030 Base (No-Build) Volumes	35	0	324	0	0	0	0	741	644	140	463	0	2347
SITE TRIPS													
New Passenger Vehicle Trips	23							28		12	8		71
New Truck Trips	11									11			22
Total Site Trip Distribution	34	0	0	0	0	0	0	28	0	23	8	0	93
2030 Projected (Build) Volumes	69	0	324	0	0	0	0	769	644	163	471	0	2440
2035 Base Growth (15%)	5	0	41	0	0	0	0	97	84	19	59	0	305
2035 Base (No-Build) Volumes - Growth Rate Only	37	0	315	0	0	0	0	744	642	146	455	0	2339
2035 Base (No-Build) Volumes	37	0	338	0	0	0	0	773	672	146	482	0	2448
2035 Projected (Build) Volumes	71	0	338	0	0	0	0	801	672	169	490	0	2541
Existing Condition HV%	22%	0%	7%	0%	0%	0%	0%	5%	3%	12%	6%	0%	0.89
Base Condition HV%	22%	0%	7%	0%	0%	0%	0%	5%	3%	12%	6%	0%	
Projected HV %	26%	0%	7%	0%	0%	0%	0%	5%	3%	16%	6%	0%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	70		495					393	413	84	674		2129
Heavy Vehicles	5		6					24	13	2	16		66
Balancing			11										11
2025 Existing Volumes (Balanced)	70	0	506	0	0	0	0	393	413	84	674	0	2140
2030 Base Growth (10%)	7	0	51	0	0	0	0	39	41	8	67	0	213
2030 Base (No-Build) Volumes - Growth Rate Only	77	0	557	0	0	0	0	432	454	92	741	0	2353
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips			4					19	7		5		35
156 W. Harrisburg Ave Warehouse - Truck Trips			2					2	4		4		12
Pennmark Full Build-Out													0
Westbrooke Residential			8					7	5		14		34
Westmount Residential			9					8	10		16		43
Total Background Development Trips	0	0	23	0	0	0	0	36	26	0	39	0	124
2030 Base (No-Build) Volumes	77	0	580	0	0	0	0	468	480	92	780	0	2477
SITE TRIPS													
New Passenger Vehicle Trips	8							9		47	33		97
New Truck Trips	10									12			22
Total Site Trip Distribution	18	0	0	0	0	0	0	9	0	59	33	0	119
2030 Projected (Build) Volumes	95	0	580	0	0	0	0	477	480	151	813	0	2596
2035 Base Growth (15%)	11	0	76	0	0	0	0	59	62	13	101	0	322
2035 Base (No-Build) Volumes - Growth Rate Only	81	0	582	0	0	0	0	452	475	97	775	0	2462
2035 Base (No-Build) Volumes	81	0	605	0	0	0	0	488	501	97	814	0	2586
2035 Projected (Build) Volumes	99	0	605	0	0	0	0	497	501	156	847	0	2705
Existing Condition HV%	7%	0%	1%	0%	0%	0%	0%	6%	3%	2%	2%	0%	0.98
Base Condition HV%	7%	0%	1%	0%	0%	0%	0%	6%	4%	2%	3%	0%	
Projected HV %	16%	0%	1%	0%	0%	0%	0%	6%	4%	9%	3%	0%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Merts Drive
5

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	4		9				8	1189			653	17	1880
Heavy Vehicles			1					61			58	1	121
Balancing								12					12
2025 Existing Volumes (Balanced)	4	0	9	0	0	0	8	1201	0	0	653	17	1892
2030 Base Growth (10%)	0	0	1	0	0	0	1	120	0	0	65	2	189
2030 Base (No-Build) Volumes - Growth Rate Only	4	0	10	0	0	0	9	1321	0	0	718	19	2081
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								7			28		35
156 W. Harrisburg Ave Warehouse - Truck Trips								4			4		8
Pennmark Full Build-Out													0
Westbrooke Residential								22			7		29
Westmount Residential								26			11		37
Total Background Development Trips	0	0	0	0	0	0	0	59	0	0	50	0	109
2030 Base (No-Build) Volumes	4	0	10	0	0	0	9	1380	0	0	768	19	2190
SITE TRIPS													
New Passenger Vehicle Trips								28			8		36
New Truck Trips													0
Total Site Trip Distribution	0	0	0	0	0	0	0	28	0	0	8	0	36
2030 Projected (Build) Volumes	4	0	10	0	0	0	9	1408	0	0	776	19	2226
2035 Base Growth (15%)	1	0	1	0	0	0	1	180	0	0	98	3	284
2035 Base (No-Build) Volumes - Growth Rate Only	5	0	10	0	0	0	9	1381	0	0	751	20	2176
2035 Base (No-Build) Volumes	5	0	10	0	0	0	9	1440	0	0	801	20	2285
2035 Projected (Build) Volumes	5	0	10	0	0	0	9	1468	0	0	809	20	2321
Existing Condition HV%	0%	0%	11%	0%	0%	0%	0%	5%	0%	0%	9%	6%	0.93
Base Condition HV%	0%	0%	11%	0%	0%	0%	0%	5%	0%	0%	9%	6%	
Projected HV %	0%	0%	11%	0%	0%	0%	0%	5%	0%	0%	9%	6%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	15		12				4	770			1179	1	1981
Heavy Vehicles	2							34			41		77
Balancing								21					21
2025 Existing Volumes (Balanced)	15	0	12	0	0	0	4	791	0	0	1179	1	2002
2030 Base Growth (10%)	2	0	1	0	0	0	0	79	0	0	118	0	200
2030 Base (No-Build) Volumes - Growth Rate Only	17	0	13	0	0	0	4	870	0	0	1297	1	2202
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips								26			9		35
156 W. Harrisburg Ave Warehouse - Truck Trips								6			6		12
Pennmark Full Build-Out													0
Westbrooke Residential								12			22		34
Westmount Residential								18			25		43
Total Background Development Trips	0	0	0	0	0	0	0	62	0	0	62	0	124
2030 Base (No-Build) Volumes	17	0	13	0	0	0	4	932	0	0	1359	1	2326
SITE TRIPS													
New Passenger Vehicle Trips								9			33		42
New Truck Trips													0
Total Site Trip Distribution	0	0	0	0	0	0	0	9	0	0	33	0	42
2030 Projected (Build) Volumes	17	0	13	0	0	0	4	941	0	0	1392	1	2368
2035 Base Growth (15%)	2	0	2	0	0	0	1	119	0	0	177	0	301
2035 Base (No-Build) Volumes - Growth Rate Only	17	0	14	0	0	0	5	910	0	0	1356	1	2303
2035 Base (No-Build) Volumes	17	0	14	0	0	0	5	972	0	0	1418	1	2427
2035 Projected (Build) Volumes	17	0	14	0	0	0	5	981	0	0	1451	1	2469
Existing Condition HV%	13%	0%	0%	0%	0%	0%	0%	4%	0%	0%	3%	0%	0.95
Base Condition HV%	13%	0%	0%	0%	0%	0%	0%	4%	0%	0%	3%	0%	
Projected HV %	13%	0%	0%	0%	0%	0%	0%	4%	0%	0%	3%	0%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Cloverleaf Road (SR 4025) & Schwanger Road
6

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	291	26	55	7	14	69	24	844	7	16	511	144	2008
Heavy Vehicles	1		4			2		56	3		54	5	125
Balancing													0
2025 Existing Volumes (Balanced)	291	26	55	7	14	69	24	844	7	16	511	144	2008
2030 Base Growth (10%)	29	3	6	1	1	7	2	84	1	2	51	14	201
2030 Base (No-Build) Volumes - Growth Rate Only	320	29	61	8	15	76	26	928	8	18	562	158	2209
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips			1					7			28		36
156 W. Harrisburg Ave Warehouse - Truck Trips								4			4		8
Pennmark Full Build-Out													0
Westbrooke Residential								22			7		29
Westmount Residential								26			11		37
Total Background Development Trips	0	0	1	0	0	0	0	59	0	0	50	0	110
2030 Base (No-Build) Volumes	320	29	62	8	15	76	26	987	8	18	612	158	2319
SITE TRIPS													
New Passenger Vehicle Trips	4	3		4	1			24	12		7	1	56
New Truck Trips													0
Total Site Trip Distribution	4	3	0	4	1	0	0	24	12	0	7	1	56
2030 Projected (Build) Volumes	324	32	62	12	16	76	26	1011	20	18	619	159	2375
2035 Base Growth (15%)	44	4	8	1	2	10	4	127	1	2	77	22	302
2035 Base (No-Build) Volumes - Growth Rate Only	335	30	63	8	16	79	28	971	8	18	588	166	2310
2035 Base (No-Build) Volumes	335	30	64	8	16	79	28	1030	8	18	638	166	2420
2035 Projected (Build) Volumes	339	33	64	12	17	79	28	1054	20	18	645	167	2476
Existing Condition HV%	1%	0%	7%	0%	0%	3%	0%	7%	43%	0%	11%	3%	0.94
Base Condition HV%	1%	0%	7%	0%	0%	3%	0%	7%	43%	0%	11%	3%	
Projected HV %	1%	0%	7%	0%	0%	3%	0%	7%	43%	0%	11%	3%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	178	38	47	12	39	25	44	579	12	59	813	284	2130
Heavy Vehicles	2							29		2	30	3	66
Balancing													0
2025 Existing Volumes (Balanced)	178	38	47	12	39	25	44	579	12	59	813	284	2130
2030 Base Growth (10%)	18	4	5	1	4	3	4	58	1	6	81	28	213
2030 Base (No-Build) Volumes - Growth Rate Only	196	42	52	13	43	28	48	637	13	65	894	312	2343
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips							1	26			9		36
156 W. Harrisburg Ave Warehouse - Truck Trips								6			6		12
Pennmark Full Build-Out													0
Westbrooke Residential								12			22		34
Westmount Residential								18			25		43
Total Background Development Trips	0	0	0	0	0	0	1	62	0	0	62	0	125
2030 Base (No-Build) Volumes	196	42	52	13	43	28	49	699	13	65	956	312	2468
SITE TRIPS													
New Passenger Vehicle Trips	1	1		15	4			8	4		29	4	66
New Truck Trips													0
Total Site Trip Distribution	1	1	0	15	4	0	0	8	4	0	29	4	66
2030 Projected (Build) Volumes	197	43	52	28	47	28	49	707	17	65	985	316	2534
2035 Base Growth (15%)	27	6	7	2	6	4	7	87	2	9	122	43	322
2035 Base (No-Build) Volumes - Growth Rate Only	205	44	54	14	45	29	51	666	14	68	935	327	2452
2035 Base (No-Build) Volumes	205	44	54	14	45	29	52	728	14	68	997	327	2577
2035 Projected (Build) Volumes	206	45	54	29	49	29	52	736	18	68	1026	331	2643
Existing Condition HV%	1%	0%	0%	0%	0%	0%	0%	5%	0%	3%	4%	1%	0.95
Base Condition HV%	1%	0%	0%	0%	0%	0%	0%	5%	0%	3%	4%	1%	
Projected HV %	1%	0%	0%	0%	0%	0%	0%	5%	0%	3%	4%	1%	

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 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Schwanger Road/Campus Road & Merts Drive/Schwanger Road
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Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	12	216	1	19	161	4	0	4	34	38	4	23	516
Heavy Vehicles	2	4		1	2				1	2		1	13
Balancing													0
2025 Existing Volumes (Balanced)	12	216	1	19	161	4	0	4	34	38	4	23	516
2030 Base Growth (10%)	1	22	0	2	16	0	0	0	3	4	0	2	50
2030 Base (No-Build) Volumes - Growth Rate Only	13	238	1	21	177	4	0	4	37	42	4	25	566
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips		1											1
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	1	0	0	0	0	0	0	0	0	0	0	1
2030 Base (No-Build) Volumes	13	239	1	21	177	4	0	4	37	42	4	25	567
SITE TRIPS													
New Passenger Vehicle Trips		7			2								9
New Truck Trips													0
Total Site Trip Distribution	0	7	0	0	2	0	0	0	0	0	0	0	9
2030 Projected (Build) Volumes	13	246	1	21	179	4	0	4	37	42	4	25	576
2035 Base Growth (15%)	2	32	0	3	24	1	0	1	5	6	1	3	78
2035 Base (No-Build) Volumes - Growth Rate Only	14	248	1	22	185	5	0	5	39	44	5	26	594
2035 Base (No-Build) Volumes	14	249	1	22	185	5	0	5	39	44	5	26	595
2035 Projected (Build) Volumes	14	256	1	22	187	5	0	5	39	44	5	26	604
Existing Condition HV%	17%	2%	0%	5%	1%	0%	0%	0%	3%	5%	0%	4%	0.88
Base Condition HV%	17%	2%	0%	5%	1%	0%	0%	0%	3%	5%	0%	4%	
Projected HV %	17%	2%	0%	5%	1%	0%	0%	0%	3%	5%	0%	4%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts	23	258	4	79	210	41	1	8	33	17	8	16	698
Heavy Vehicles		4		1	2	1		1	1	1	1	1	13
Balancing													0
2025 Existing Volumes (Balanced)	23	258	4	79	210	41	1	8	33	17	8	16	698
2030 Base Growth (10%)	2	26	0	8	21	4	0	1	3	2	1	2	70
2030 Base (No-Build) Volumes - Growth Rate Only	25	284	4	87	231	45	1	9	36	19	9	18	768
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	25	284	4	87	231	45	1	9	36	19	9	18	768
SITE TRIPS													
New Passenger Vehicle Trips		2			8								10
New Truck Trips													0
Total Site Trip Distribution	0	2	0	0	8	0	0	0	0	0	0	0	10
2030 Projected (Build) Volumes	25	286	4	87	239	45	1	9	36	19	9	18	778
2035 Base Growth (15%)	3	39	1	12	32	6	0	1	5	3	1	2	105
2035 Base (No-Build) Volumes - Growth Rate Only	26	297	5	91	242	47	1	9	38	20	9	18	803
2035 Base (No-Build) Volumes	26	297	5	91	242	47	1	9	38	20	9	18	803
2035 Projected (Build) Volumes	26	299	5	91	250	47	1	9	38	20	9	18	813
Existing Condition HV%	0%	2%	0%	1%	1%	2%	0%	13%	3%	6%	13%	6%	0.90
Base Condition HV%	0%	2%	0%	1%	1%	2%	0%	13%	3%	6%	13%	6%	
Projected HV %	0%	2%	0%	1%	1%	2%	0%	13%	3%	6%	13%	6%	

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 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Mt. Pleasant Road (SR 4010) & Schwanger Road
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Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		31	4	16	43		2		20				116
Heavy Vehicles		5		3	3				1				12
Balancing													0
2025 Existing Volumes (Balanced)	0	31	4	16	43	0	2	0	20	0	0	0	116
2030 Base Growth (10%)	0	3	0	2	4	0	0	0	2	0	0	0	11
2030 Base (No-Build) Volumes - Growth Rate Only	0	34	4	18	47	0	2	0	22	0	0	0	127
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	34	4	18	47	0	2	0	22	0	0	0	127
SITE TRIPS													
New Passenger Vehicle Trips		2	5		6		15						28
New Truck Trips													0
Total Site Trip Distribution	0	2	5	0	6	0	15	0	0	0	0	0	28
2030 Projected (Build) Volumes	0	36	9	18	53	0	17	0	22	0	0	0	155
2035 Base Growth (15%)	0	5	1	2	6	0	0	0	3	0	0	0	17
2035 Base (No-Build) Volumes - Growth Rate Only	0	36	5	18	49	0	2	0	23	0	0	0	133
2035 Base (No-Build) Volumes	0	36	5	18	49	0	2	0	23	0	0	0	133
2035 Projected (Build) Volumes	0	38	10	18	55	0	17	0	23	0	0	0	161
Existing Condition HV%	0%	16%	0%	19%	7%	0%	0%	0%	5%	0%	0%	0%	0.74
Base Condition HV%	0%	16%	0%	19%	7%	0%	0%	0%	5%	0%	0%	0%	
Projected HV %	0%	16%	0%	19%	7%	0%	0%	0%	5%	0%	0%	0%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		69	6	26	30		4		23				158
Heavy Vehicles		6		4	1		1		1				13
Balancing													0
2025 Existing Volumes (Balanced)	0	69	6	26	30	0	4	0	23	0	0	0	158
2030 Base Growth (10%)	0	7	1	3	3	0	0	0	2	0	0	0	16
2030 Base (No-Build) Volumes - Growth Rate Only	0	76	7	29	33	0	4	0	25	0	0	0	174
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	76	7	29	33	0	4	0	25	0	0	0	174
SITE TRIPS													
New Passenger Vehicle Trips		7	19		2		5						33
New Truck Trips													0
Total Site Trip Distribution	0	7	19	0	2	0	5	0	0	0	0	0	33
2030 Projected (Build) Volumes	0	83	26	29	35	0	9	0	25	0	0	0	207
2035 Base Growth (15%)	0	10	1	4	5	0	1	0	3	0	0	0	24
2035 Base (No-Build) Volumes - Growth Rate Only	0	79	7	30	35	0	5	0	26	0	0	0	182
2035 Base (No-Build) Volumes	0	79	7	30	35	0	5	0	26	0	0	0	182
2035 Projected (Build) Volumes	0	86	26	30	37	0	10	0	26	0	0	0	215
Existing Condition HV%	0%	9%	0%	15%	3%	0%	25%	0%	4%	0%	0%	0%	0.88
Base Condition HV%	0%	9%	0%	15%	3%	0%	25%	0%	4%	0%	0%	0%	
Projected HV %	0%	9%	0%	15%	3%	0%	25%	0%	4%	0%	0%	0%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Mt. Pleasant Road (SR 4010) & Proposed Eastern Driveway
9

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		36			48								84
Heavy Vehicles		9			7								16
Balancing													0
2025 Existing Volumes (Balanced)	0	36	0	0	48	0	0	0	0	0	0	0	84
2030 Base Growth (10%)	0	4	0	0	5	0	0	0	0	0	0	0	9
2030 Base (No-Build) Volumes - Growth Rate Only	0	40	0	0	53	0	0	0	0	0	0	0	93
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	40	0	0	53	0	0	0	0	0	0	0	93
SITE TRIPS													
New Passenger Vehicle Trips	26					21				7		8	62
New Truck Trips													0
Total Site Trip Distribution	26	0	0	0	0	21	0	0	0	7	0	8	62
2030 Projected (Build) Volumes	26	40	0	0	53	21	0	0	0	7	0	8	155
2035 Base Growth (15%)	0	5	0	0	7	0	0	0	0	0	0	0	12
2035 Base (No-Build) Volumes - Growth Rate Only	0	41	0	0	55	0	0	0	0	0	0	0	96
2035 Base (No-Build) Volumes	0	41	0	0	55	0	0	0	0	0	0	0	96
2035 Projected (Build) Volumes	26	41	0	0	55	21	0	0	0	7	0	8	158
Existing Condition HV%	0%	25%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0.90
Base Condition HV%	0%	25%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	
Projected HV %	2%	25%	0%	0%	15%	2%	0%	0%	0%	2%	0%	2%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		75			34								109
Heavy Vehicles		6			5								11
Balancing													0
2025 Existing Volumes (Balanced)	0	75	0	0	34	0	0	0	0	0	0	0	109
2030 Base Growth (10%)	0	8	0	0	3	0	0	0	0	0	0	0	11
2030 Base (No-Build) Volumes - Growth Rate Only	0	83	0	0	37	0	0	0	0	0	0	0	120
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	83	0	0	37	0	0	0	0	0	0	0	120
SITE TRIPS													
New Passenger Vehicle Trips	9					7				26		32	74
New Truck Trips													0
Total Site Trip Distribution	9	0	0	0	0	7	0	0	0	26	0	32	74
2030 Projected (Build) Volumes	9	83	0	0	37	7	0	0	0	26	0	32	194
2035 Base Growth (15%)	0	11	0	0	5	0	0	0	0	0	0	0	16
2035 Base (No-Build) Volumes - Growth Rate Only	0	86	0	0	39	0	0	0	0	0	0	0	125
2035 Base (No-Build) Volumes	0	86	0	0	39	0	0	0	0	0	0	0	125
2035 Projected (Build) Volumes	9	86	0	0	39	7	0	0	0	26	0	32	199
Existing Condition HV%	0%	8%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0.90
Base Condition HV%	0%	8%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	
Projected HV %	2%	8%	0%	0%	15%	2%	0%	0%	0%	2%	0%	2%	

TPD# ETHD.00004
 11/6/2025
 Traffic Volumes Worksheet
 Intersection:
 Synchro Node:

Mt. Pleasant Road (SR 4010) & Proposed Western Driveway/Proposed Archers Lane
 10

Time Period: Weekday A.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		36			48								84
Heavy Vehicles		9			7								16
Balancing													0
2025 Existing Volumes (Balanced)	0	36	0	0	48	0	0	0	0	0	0	0	84
2030 Base Growth (10%)	0	4	0	0	5	0	0	0	0	0	0	0	9
2030 Base (No-Build) Volumes - Growth Rate Only	0	40	0	0	53	0	0	0	0	0	0	0	93
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	40	0	0	53	0	0	0	0	0	0	0	93
SITE TRIPS													
New Passenger Vehicle Trips	24	8		5	3			48	18		15	7	128
New Truck Trips								24			19		43
Total Site Trip Distribution	24	8	0	5	3	0	0	72	18	0	34	7	171
2030 Projected (Build) Volumes	24	48	0	5	56	0	0	72	18	0	34	7	264
2035 Base Growth (15%)	0	5	0	0	7	0	0	0	0	0	0	0	12
2035 Base (No-Build) Volumes - Growth Rate Only	0	41	0	0	55	0	0	0	0	0	0	0	96
2035 Base (No-Build) Volumes	0	41	0	0	55	0	0	0	0	0	0	0	96
2035 Projected (Build) Volumes	24	49	0	5	58	0	0	72	18	0	34	7	267
Existing Condition HV%	0%	25%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0.90
Base Condition HV%	0%	25%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	
Projected HV %	2%	25%	0%	2%	15%	0%	0%	33%	2%	0%	56%	2%	

Time Period: Weekday P.M. Peak Hour ADJ

	Eastbound			Westbound			Northbound			Southbound			Intersection
	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR	Volume
2025 Existing Counts		75			34								109
Heavy Vehicles		6			5								11
Balancing													0
2025 Existing Volumes (Balanced)	0	75	0	0	34	0	0	0	0	0	0	0	109
2030 Base Growth (10%)	0	8	0	0	3	0	0	0	0	0	0	0	11
2030 Base (No-Build) Volumes - Growth Rate Only	0	83	0	0	37	0	0	0	0	0	0	0	120
BACKGROUND DEVELOPMENTS													
156 W. Harrisburg Ave Warehouse - Car Trips													0
156 W. Harrisburg Ave Warehouse - Truck Trips													0
Pennmark Full Build-Out													0
Westbrooke Residential													0
Westmount Residential													0
Total Background Development Trips	0	0	0	0	0	0	0	0	0	0	0	0	0
2030 Base (No-Build) Volumes	0	83	0	0	37	0	0	0	0	0	0	0	120
SITE TRIPS													
New Passenger Vehicle Trips	8	3		22	10			16	6		58	29	152
New Truck Trips								23			21		44
Total Site Trip Distribution	8	3	0	22	10	0	0	39	6	0	79	29	196
2030 Projected (Build) Volumes	8	86	0	22	47	0	0	39	6	0	79	29	316
2035 Base Growth (15%)	0	11	0	0	5	0	0	0	0	0	0	0	16
2035 Base (No-Build) Volumes - Growth Rate Only	0	86	0	0	39	0	0	0	0	0	0	0	125
2035 Base (No-Build) Volumes	0	86	0	0	39	0	0	0	0	0	0	0	125
2035 Projected (Build) Volumes	8	89	0	22	49	0	0	39	6	0	79	29	321
Existing Condition HV%	0%	8%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	0.90
Base Condition HV%	0%	8%	0%	0%	15%	0%	0%	0%	0%	0%	0%	0%	
Projected HV %	2%	8%	0%	2%	15%	0%	0%	59%	2%	0%	27%	2%	