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APPENDIX L

Transportation Supplemental Data



Photo L-1: Tractor trailer truck advancing too slow to clear queue on Northbound off-ramp from NYS Route 17 to NYS Route 94

**Table L-1
Trips Counted at Adjacent Intersections in the Same Peak Hour**

Land Uses	NYS Route 94 Vehicles			
	P.M. Weekday Peak Hour		Saturday Peak Hour	
	Westbound	Eastbound	Westbound	Eastbound
NYS Route 94 at NYS Route 17 southbound Ramp	507	469	333	390
NYS Route 94 at NYS Route 17 northbound Ramp	520	451	339	385
difference	-13	18	-6	5
Percent difference from lower	3%	4%	2%	1%

Table L-2

Project Site No Build Projects Trip Rate Summary

Land Uses {ITE Code}	Trip Rates					
	A.M. Weekday Peak Hour		P.M. Weekday Peak Hour		Saturday Peak Hour	
	IN (Trips/Units)	OUT (Trips/Units)	IN (Trips/Units)	OUT (Trips/Units)	IN (Trips/Units)	OUT (Trips/Units)
Non-Residential Projects						
The Castle Entertainment Complex 10,000 square feet expansion {435}	0.170	0.070	0.060	0.111	0.171	0.119
Frozen Ropes Sports Center 20,200 square feet building {493}	1.812	1.158	3.542	2.171	3.268	3.402
Coach USA 191,040 square feet bus garage and office {150}	0.487	0.129	0.118	0.354	0.083	0.047
Best Mexican Foods 20,000 square feet warehouse and distribution center {150}	1.345	0.357	0.266	0.798	0.083	0.047
Lowe's Home Improvement 102,000 square feet and garden center {862}	0.718	0.542	0.933*	0.933*	1.667*	1.633*
C&S Wholesale Foods 356,022 square feet warehouse expansion {150}	0.337*	0.076*	0.099*	0.297*	0.083	0.047
Residential Projects						
Greens of Chester 431 units (237 single-family and 194 two-family) {210 and 230}	0.185 0.077	0.556 0.377	0.607 0.357	0.357 0.176	0.493 0.275	0.437 0.234
Heritage Hills 69 single-family homes on small lots {210}	0.210	0.631	0.687	0.403	0.545	0.483
Hills of Chester 20 single-family homes on lots {210}	0.377	0.890	0.778	0.457	0.677	0.601
Hills of Goshen 17 vacant subdivision lots with improvements completed {210}	0.318	0.955	0.790	0.464	0.770	0.683
Trip Generation, Institute of Transportation Engineers, 8th edition, Washington, DC, 2008.						
Non residential units are in 1000 square feet.						
* Prorated based on reduction in size. Trip Generation, Institute of Transportation engineers, 7th edition, Washington DC 2003.						

**Table L-3
Site Trips Generated**

Land Uses	Trips					
	A.M. Weekday Peak Hour		P.M. Weekday Peak Hour		Saturday Peak Hour	
	IN (Trips)	OUT (Trips)	IN (Trips)	OUT (Trips)	IN (Trips)	OUT (Trips)
Non-Residential Projects						
The Castle Entertainment Complex 10,000 square feet expansion	2	1	1	1	2	1
Frozen Ropes Sports Center 20,200 square feet building	37	23	72	44	66	69
Coach USA 191,040 square feet bus garage and office	92	25	23	68	16	9
Best Mexican Foods 20,000 square feet warehouse and distribution center	27	7	5	16	2	1
Lowe's Home Improvement 102,000 square feet and garden center	73	55	95	95	170	167
C&S Wholesale Foods 356,022 square feet warehouse expansion	120	27	35	106	30	17
Residential Projects						
Greens of Chester 431 units (237 single-family and 194 two-family)	44 15	132 73	144 69	85 34	117 53	104 45
Heritage Hills 69 single-family homes on small lots	14	44	47	28	38	33
Hills of Chester 20 single-family homes on lots	8	18	16	9	14	12
Hills of Goshen 17 vacant subdivision lots with improvements completed	5	16	13	8	13	12
See trip rate Table L-2.						

**Table L-4
Occurrence of Peak Traffic**

Intersections	A.M. Weekday Peak Hour	P.M. Weekday Peak Hour	Saturday Peak Hour
NYS Route 17M, and West Avenue, at Chester Mall	8:00 a.m. to 9:00 a.m.	4:30 p.m. to 5:30 p.m.	1:30 p.m. to 2:30 p.m.
NYS Route 94 and NYS Route 17M	8:00 a.m. to 9:00 a.m.	4:15 p.m. to 5:15 p.m.	11:30 a.m. to 12:30 p.m.
NYS Route 17 & U.S. Route 6 northbound ramp and NYS Route 94	7:45 a.m. to 8:45 a.m.	4:45 p.m. to 5:45 p.m.*	12:15 p.m. to 1:15 p.m.*
NYS Route 17 & U.S. Route 6 southbound ramp and NYS Route 94	6:45 a.m. to 7:45 a.m.	4:45 p.m. to 5:45 p.m.*	12:15 p.m. to 1:15 p.m.*
NYS Route 17M and Main Street	8:00 a.m. to 9:00 a.m.	4:00 p.m. to 5:00 p.m.	11:30 a.m. to 12:30 p.m.
NYS Route 17M and Ward Road	8:00 a.m. to 9:00 a.m.	4:30 p.m. to 5:30 p.m.	1:30 p.m. to 2:30 p.m.
NYS Route 17M and Arcadia Road	8:00 a.m. to 9:00 a.m.	4:30 p.m. to 5:30 p.m.	1:30 p.m. to 2:30 p.m.
High Street and Hambletonian Avenue	7:15 a.m. to 8:15 a.m.	4:30 p.m. to 5:30 p.m.	11:45 a.m. to 12:45 p.m.

* Differences in through volumes highlighted in Table L-1.

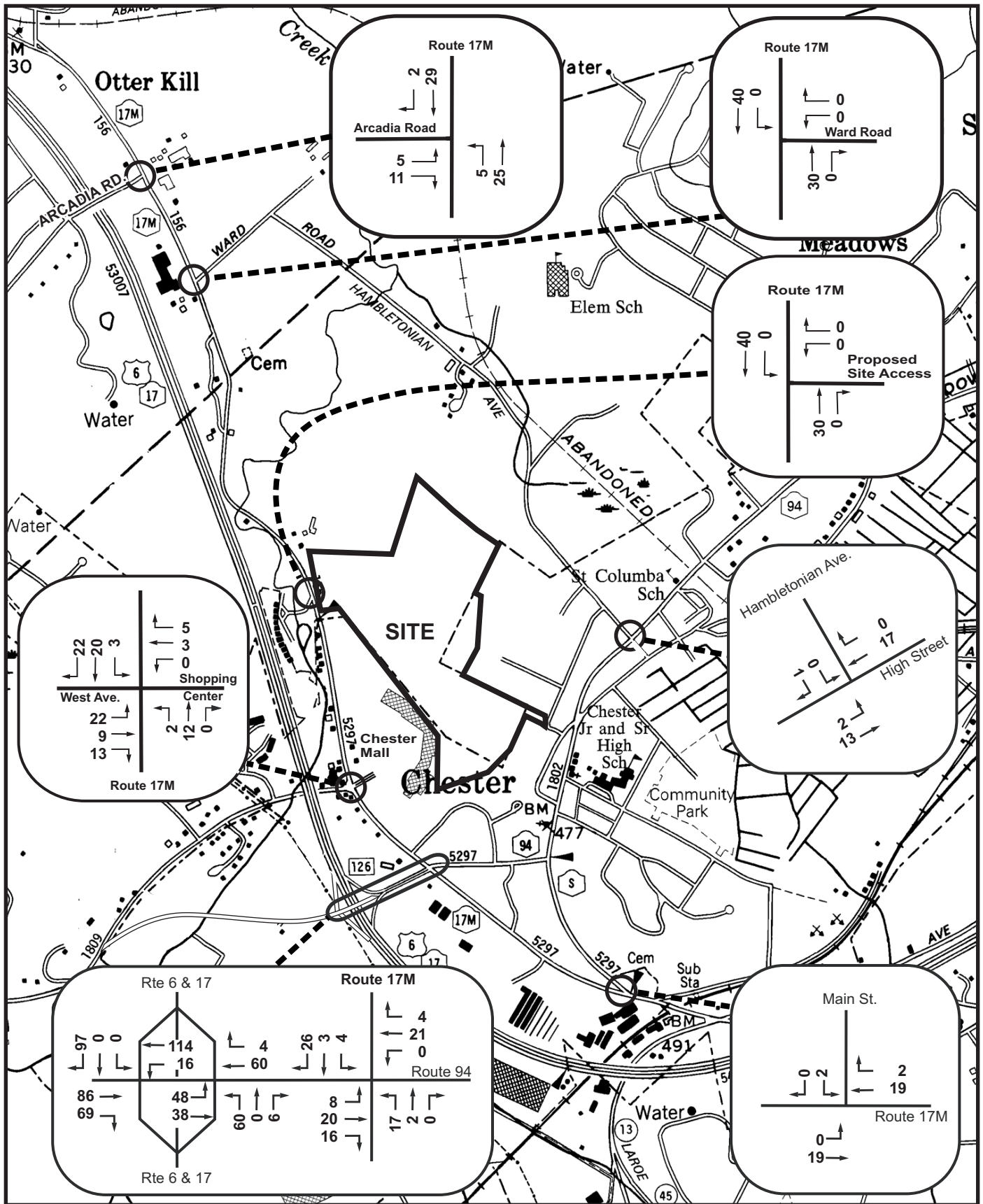
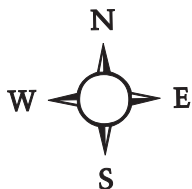


Figure: L-1: No Build Projects AM Peak Hour Traffic
 BT Holdings - Chester
 Village of Chester, Town of Chester, Orange County, New York
 Base Map: US DOT Planimetric Map, Warwick Quad
 Scale: 1 inch = 1,000 feet



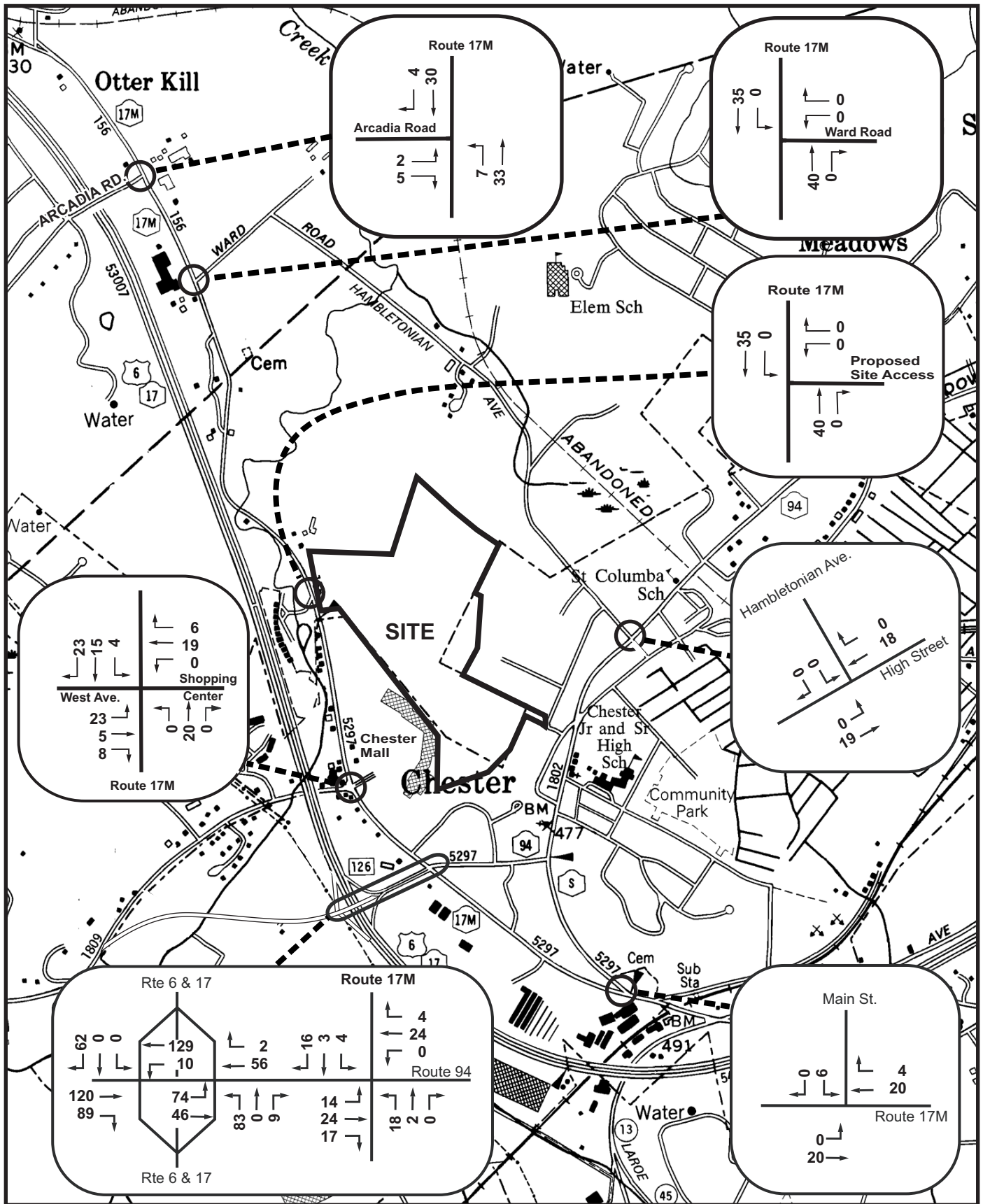
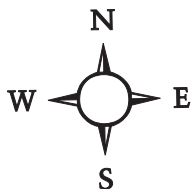


Figure: L-2: No Build Projects PM Peak Hour Traffic
 BT Holdings - Chester
 Village of Chester, Town of Chester, Orange County, New York
 Base Map: US DOT Planimetric Map, Warwick Quad
 Scale: 1 inch = 1,000 feet



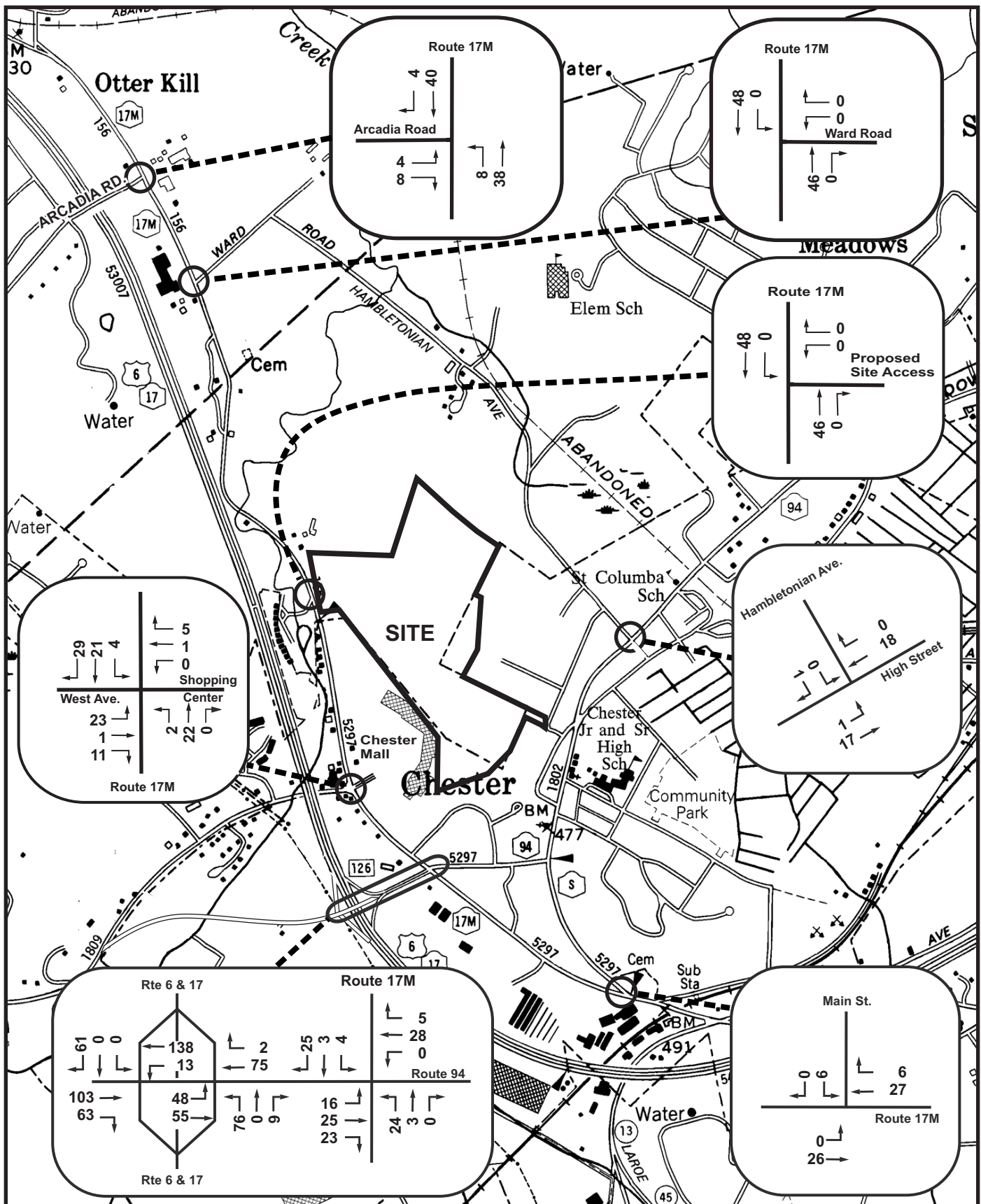


Figure: L-3: No Build Projects Saturday Peak Hour Traffic
BT Holdings - Chester

Village of Chester, Town of Chester, Orange County, New York

Base Map: US DOT Planimetric Map, Warwick Quad

Scale: 1 inch = 1,000 feet