





Table A-1  
 SPEED STUDY  
 Residential Development  
 147 Daniels Farm Road  
 Trumbull, Connecticut

<b>SPEED STUDY RESULTS – DANIELS FARM ROAD AT PROPOSED SITE ACCESS DRIVE</b>	
Northbound	Southbound
32	40
34	37
40	46
41	40
31	46
33	42
37	43
37	40
43	36
38	45
39	38
38	40
36	40
44	43
41	46
37	35
41	45
40	38
40	45
39	48
36	47
39	42
36	45
36	38
40	37
42	33
39	41
39	36
35	34
32	42
39	32
34	49

Table A-1 (Cont'd)

<b>SPEED STUDY RESULTS – DANIELS FARM ROAD AT PROPOSED SITE ACCESS DRIVE</b>		
	<b>Northbound</b>	<b>Southbound</b>
	36	37
	37	39
	38	39
	36	43
	40	42
	37	37
	32	40
	46	36
	35	38
	40	35
	35	39
	35	44
	43	36
	38	48
	41	37
	37	46
	43	39
	45	40
<b>Average Speed</b>	38	41
<b>85<sup>TH</sup> Percentile Speed</b>	41	46

Source: Speed Study conducted by Frederick P. Clark Associates, Inc. on Thursday, January 11, 2018. The Study was conducted by radar speed gun between 2:00 and 3:05 P.M.

Frederick P. Clark Associates, Inc.  
g:\1746.001 147 daniels farm road\word\dfr17-006.stc.doc  
1/12/18

Table A-2  
**INTERSECTION SIGHT DISTANCE (ISD) ANALYSIS**  
 Residential Development  
 147 Daniels Farm Road  
 Trumbull, Connecticut

INTERSECTION	LEFT TURN FROM STOP				RIGHT TURN FROM STOP	
	Distance Available (Feet)		Distance Required (Feet)		Distance Available (Feet)	Distance Required (Feet)
	Left	Right	Posted Speed	85 <sup>th</sup> Percentile Speed		
Daniels Farm Road (S.R. 734) at Proposed Site Access Roadway	512	512	335	512	512	512
			30 MPH	46 MPH	Left	30 MPH
						46 MPH

Source: Connecticut Department of Transportation Highway Design Manual 2003 Edition, Revised January 2011, Section 11-2.03.01 Figure 11-2C and Section 11-2.03.02.

Notes:

1. The posted speed limit is 30 miles per hour on Daniels Farm Road in the vicinity of the site.
2. The 85<sup>th</sup> percentile speed of vehicles was measured to be 44 and 46 mile per hour in the northbound and southbound directions, respectively, via an Automatic Traffic Recorder (ATR), see Figure 3.
3. The 85<sup>th</sup> percentile speed of vehicles was measured to be 41 and 46 mile per hour in the northbound and southbound directions, respectively, via a Speed Study conducted by Frederick P. Clark Associates, Inc. on Thursday, January 11, 2018. The Study was conducted by radar speed gun between 2:00 and 3:05 P.M. See Table A-1.

Findings: Based on the Line of Sight Plan and Profile prepared by Spath-Bjorklund Associates, Inc. dated September 27, 2017, the available ISD is 512 feet, which meets the ConnDOT required ISD for the 85<sup>th</sup> percentile operating speed.

INTERSECTION	MAXIMUM SPEED FOR AVAILABLE SIGHT DISTANCE			
	LEFT TURN FROM STOP		RIGHT TURN FROM STOP	
	Distance Available (Feet)		Distance Available (Feet)	
Daniels Farm Road (S.R. 734) at Proposed Site Access Roadway	710	793	710	710
			64.4 MPH	64.4 MPH
				Maximum Speed



