Hesketh

Civil & Traffic Engineers • Surveyors • Planners • Landscape Architects

F. A. Hesketh
& Associates, Inc.

September 22, 2022

Mr. Robert Hammersley, Chairman
Planning & Zoning Commission
Town of Southington, CT
Southington Town Hall
75 Main Street
Southington, CT 06489

Re: Traffic Impact Report
Proposed Age Restricted Housing
570 Meriden Waterbury Turnpike - Southington, CT
Our File: 22062

Dear Chairman Hammersley:

On behalf of our client, AA Denorfia Building & Development, LLC, our office has prepared a summary of the trip generation potential of a proposed 24 Unit Age Restricted Housing development located at 570 Meriden Waterbury Turnpike, in the Town of Southington, Connecticut. The site proposed for development is presented in Figure 1. This letter has been written to present our findings.

The property is proposed for development is located on the south side of the Meriden Waterbury Turnpike, east of Blatchley Avenue and west of Hillcrest Drive. The property is currently occupied by a single single-family residence. The current application is for a site plan approval for an Age Restricted Housing Development. A Layout Plan prepared by Harry E. Cole & Son depicts a total of 24 detached housing units, 23 new units plus the existing single-family house. Each unit is proposed with a garage and a driveway for a total of two parking spaces per unit, or 48 spaces. There are 8 visitor spaces proposed for a total of 56 parking spaces. The proposed site access is located approximately 250 feet east of Blachley Avenue and 65 feet west of Sultana Terrace. The proposed access will provide 20 feet of pavement with a single lane for both entering and exiting traffic. The site driveway approach will operate under stop sign control.

3 Creamery Brook • East Granby, CT 06026

Tel 860.653.8000 • Fax 860.844.8600
shesketh@fahesketh.com

The Meriden Waterbury Turnpike is a State maintained roadway carrying the designation of Route 322. Route 322 enters the Town of Southington from Wolcott and extends in an easterly direction, generally paralleling I-84 and I-691. Route 322 continues easterly providing access to I-84 then continues easterly past the subject site, to an interchange with I-691. Route 322 terminates at the I-691 interchange; however, the roadway continues into the Town of Meriden as West Main Street. East of Canal Street and across the site frontage the roadway generally provides 30 feet of pavement with a single travel lane and painted shoulder in each direction, separated by a painted double yellow centerline. Traffic signals with supplemental turn lanes are provided at many intersections. The roadway is posted at 45 miles per hour. Land use along the roadway consists of a mix of residential properties, with commercial properties located at or near major intersections.

The Connecticut Department of Transportation conducts period counts on all state highways and some local roadways. Included within the ConnDOT database is a count on Route 322, west of Route 129. The most recent count was conducted during August 2021. The count indicates that Route 322 carries an Average Daily traffic volume (ADT) of 5,900 vehicles. Peak hour volumes of 361 and 632 vehicles were measured. The count is presented as Figure 1.

To estimate the trip generation of the proposed development, we referenced the ITE *Trip Generation* report, 11th Edition. Included in the ITE *Trip Generation* are several land uses that could be applicable to the proposed development. They Include the following land use:

LUC: 210 – Single Family Detached Housing
LUC: 251 – Sr. Adult Housing – Single Family

The proposed development is a Sr. Adult Housing – Single Family development. This land use returns the lowest trip generation of all the two uses. To be conservative, we have chosen to present the data from the Single Family Detached Housing land use. Based on this methodology, the proposed 24 unit development will have a trip generation potential of 271 trips on a daily basis with peak hour volumes 20 trips during the morning peak hour and 26 trips during the afternoon peak hour. The trip generation results are presented in Table 2.

We have assumed a directional distribution of 60% to and from the north and 60% to and from the south along the Meriden Waterbury Turnpike. This distribution is conservative in that it overcounts the site generated traffic, by 20%, but it does account for the possible fluctuation in directional distribution. Figure 2 presents the background, site generated and combined traffic volumes for this development. For the background traffic we have assumed a 60/40 split for each peak hour. From the figures the increase in traffic on any roadway segment is 16 vehicles.

An analysis of the site driveway intersection indicates that the eastbound and westbound approaches of the Meriden Waterbury Turnpike will operate at a LOS A during peak hours. The site access driveway approach will operate at a LOS B during the morning and afternoon peak hours. The LOS results are presented in Table 3.

An analysis was conducted on the need for a dedicated left turn lane at the proposed site driveway. The analysis indicates that a left turn treatment is not warranted at this location.

A review was made of the available intersection sight distances (ISD) at the proposed site driveways. The available sight distances were observed to be in excess of 600 feet in each direction at each driveway location. The 600 foot sight distance meets the current ConnDOT requirement for an approach speed of 54 miles per hour. Speed

counts conducted by ConnDOT indicate an 85% speed in each direction of 47 mph. The Meriden Waterbury Turnpike is posted at 45 miles per hour.

Based on our review of the existing and site generated traffic volumes, and after a review of the existing roadway network, it is my professional opinion that the local roadway network is capable of accommodating the anticipated sight generated traffic. The proposed site driveways are properly located with respect to available sight distances and properly designed to accommodate the anticipated traffic volumes.

We appreciate the opportunity to provide this analysis to you. We will be available to offer testimony in support of your application before local planning agencies upon your request. If you require additional information regarding this application, please do not hesitate to contact our office.

Very truly yours,
F. A. Hesketh & Associates, Inc.

Scott F. Hesketh, P.E.
Manager of Transportation Engineering

cc: Mr. Anthony Denorfia, AA Denorfia Building
Mr. Stephen Guidice, Harry E. Cole

T:\pf\22011\Traffic 2022.05.27.docx

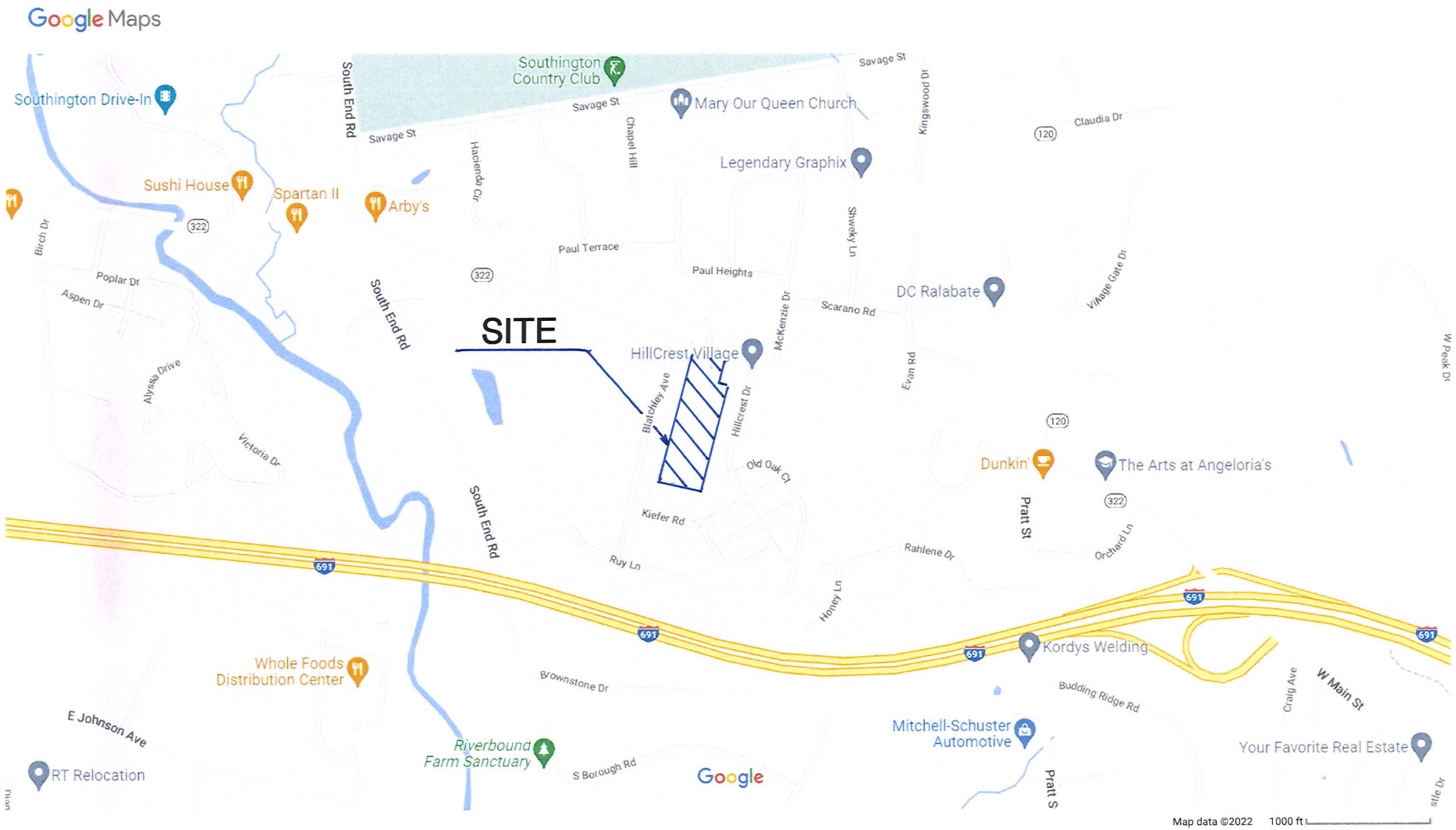

Google Maps
Southington Drive-In
Southington Country Club
Savage St
Mary Our Queen Church
Legendary Graphix
Claudia Dr
Kingswood Dr
South End Rd
Hacienda Cir
Chapel Hill
Sushi House
Spartan II
Arby's
Birch Dr
Poplar Dr
Aspen Dr
322
Paul Terrace
Paul Heights
Shweky Ln
DC Ralabate
Scarano Rd
McKenzie Dr
Village Gate Dr
SITE
HillCrest Village
Blatchley Ave
Hillcrest Dr
Evan Rd
W Peak Dr
Alyssa Drive
Victoria Dr
120
Dunkin'
The Arts at Angeloria's
Old Oak Ct
Kiefer Rd
Pratt St
Orchard Ln
Rahlene Dr
Ruy Ln
Honey Ln
691
Kordys Welding
Whole Foods Distribution Center
Brownstone Dr
Budding Ridge Rd
Craig Ave
W Main St
E Johnson Ave
Mitchell-Schuster Automotive
Your Favorite Real Estate
Riverbound Farm Sanctuary
S Borough Rd
RT Relocation
Google
Map data ©2022 1000 ft

FIGURE 1

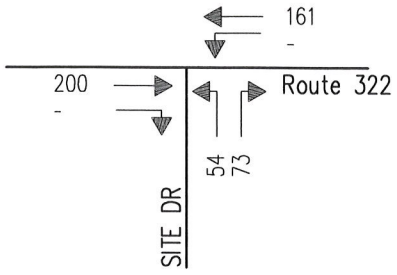
TABLE 1
ConnDOT Traffic Volumes
Route 322 west of Route 120
Station No. 44

	16-Aug-21 Monday			17-Aug-21 Tuesday			18-Aug-21 Wednesday			19-Aug-21 Thursday		
	EB	WB	Total	EB	WB	Total	EB	WB	Total	EB	WB	Total
12:00				11	12	23	12	12	24	20	17	37
1:00				6	9	15	4	7	11	3	14	17
2:00				8	6	14	5	4	9	8	2	10
3:00				6	8	14	6	5	11	10	13	23
4:00				21	17	38	23	13	36	18	22	40
5:00				62	40	102	58	42	100	22	71	93
6:00				128	83	211	130	96	226	61	75	136
7:00				193	141	334	192	138	330	148	117	265
8:00				**200**	**161**	**361**	195	146	341	94	45	139
9:00	154	159	313	169	183	352	184	171	355			
10:00	189	165	354	163	157	320	167	185	352			
11:00	155	166	321	175	195	370	183	175	358			
12:00	176	199	375	212	230	442	203	199	402			
1:00	198	190	388	185	219	404	208	225	433			
2:00	194	230	424	216	209	425	208	244	452			
3:00	193	246	439	229	247	476	215	289	504			
4:00	190	273	463	216	288	504	223	280	503			
5:00	**213**	**419**	**632**	221	319	540	222	320	542			
6:00	174	245	419	184	218	402	172	203	375			
7:00	138	192	330	139	167	306	145	165	310			
8:00	117	129	246	135	144	279	117	98	215			
9:00	77	84	161	59	86	145	71	72	143			
10:00	47	38	85	45	54	99	52	45	97			
11:00	17	15	32	29	21	50	30	21	51			
	2232	2750	4982	3012	3214	6226	3025	3155	6180	384	376	760

2021 ADT = 5,900 vehicles

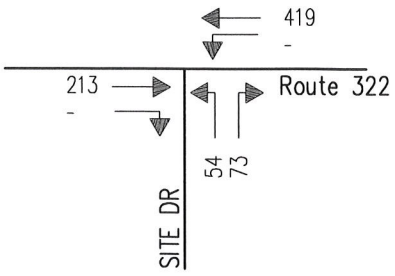
Table 2
Trip Generation
Proposed Age Restricted Housing
570 Meriden Waterbury Turnpike - Southington, CT

ITE Land Use Code	Land Use	Size	ADT	A.M. Peak Hour			P.M. Peak Hour		
				Enter	Exit	Total	Enter	Exit	Total
LUC: 210	Single Family - Detached	24 Units	271	5	15	20	16	10	26
LUC: 251	Sr Adult Housing - Single Family	24 Units	176	4	9	13	9	6	15

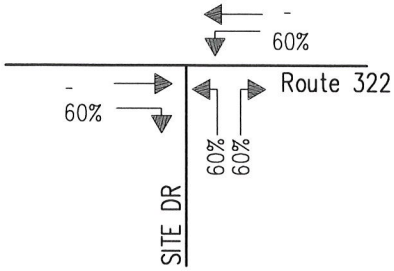


A. M. Peak Hour

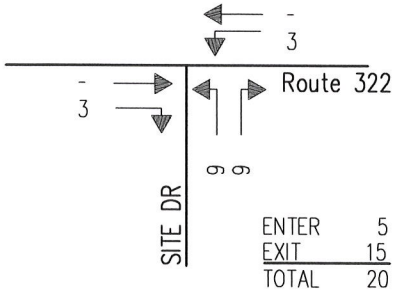
EXISTING TRAFFIC



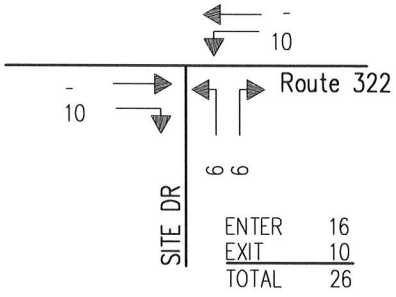
P. M. Peak Hour



DIRECTIONAL DIST OF
SITE GENERATED TRAFFIC

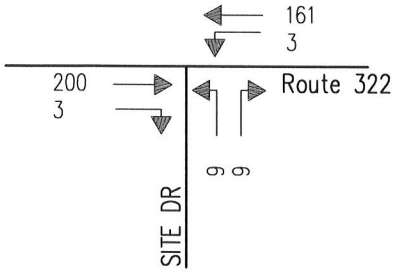


A. M. PEAK HOUR

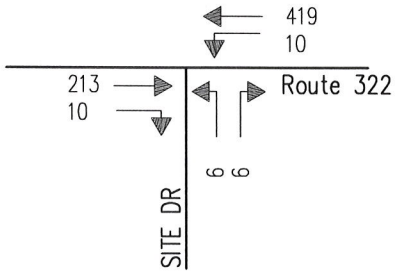


P. M. PEAK HOUR

SITE GENERATED TRAFFIC



A. M. Peak Hour



P. M. Peak Hour

COMBINED TRAFFIC

FIGURE 2

BACKGROUND, SITE GENERATED
AND COMBINED TRAFFIC
ENTERING AND EXITING PEAK HOURS
AGE RESTRICTED HOUSING
570 MERIDEN WATERBURY TPK
SOUTHINGTON, CONNECTICUT

5-25-2022

F. A. Hesketh & Associates, Inc.
3 CREAMERY BROOK, EAST GRANBY, CT 06026
FAH
TRAFFIC
PLANNING
ENGINEERING
DESIGN

NOT TO SCALE

Table 3
LOS Summary Table
Proposed Age Restricted Housing
570 Meriden Waterbury Turnpike - Southington, CT

	A.M. Peak Hour			P.M. Peak Hour		
	LOS	Delay (sec)	v/c	Enter	Exit	Total
Route 322 at Site Access						
EB	A	0.0	0.13	A	0.0	0.14
WB	A	0.1	0.00	A	0.3	0.01
NB	B	10.3	0.03	B	12.0	0.03

APPENDIX

ConnDOT Traffic Counts

Status: OK East Combined West Class Speed

sING-044 - Combined - e/w

Route 322 - 9.31 mi West of Route 120

Town.....Southington
Station.....44
Location..... 41.558115,-72.854373
Posted Speed Limit.....45 MPH
A.K.A.....2044
2015-Minor Arterial 4.....2015-Urban
HPMS Section ID.....
Start Report.....16-Aug-2021 09:00AM
End Report.....19-Aug-2021 09:00AM
Annualized ADT.....5900
24-Hour Count... 6094 * G4(0.95) = 5789.3
Day 1.....+ 6226 * G4(0.95) = 11704.0
Day 2.....+ 6180 * G4(0.95) = 17575.0
UnRounded AADT.....17575.0 / 3 = 5858.3
OK 2021 Mon 16-Aug -this report-...5900
OK 2020 Mon 28-Sep 5500
OK 2015 Mon 14-Sep 6500
OK 2013 Mon 04-Feb 7300
OK 2009 Wed 02-Dec 5800
OK 2006 Wed 05-Apr 7100

	16-Aug Mon	17-Aug Tue	18-Aug Wed	19-Aug Thu
12:00am		23	24	37
01:00am		15	11	17
02:00am		14	9	10
03:00am		14	11	23
04:00am		38	36	40
05:00am		102	100	93
06:00am		211	226	136
07:00am		334	330	265
08:00am	x	361	341	139
09:00am	313	352	355	x
10:00am	354	320	352	
11:00am	321	370	358	
12:00pm	375	442	402	
01:00pm	388	404	433	
02:00pm	424	425	452	
03:00pm	439	476	504	
04:00pm	463	504	503	
05:00pm	632	540	542	
06:00pm	419	402	375	
07:00pm	330	306	310	
08:00pm	246	279	215	
09:00pm	161	145	143	
10:00pm	85	99	97	
11:00pm	32	50	51	
Totals	4982	6226	6180	760

Status: OK East Combined West Class Speed

sING-044 - East

Route 322 - 9.31 mi West of Route 120

Town.....Southington
Station.....44
Location..... 41.558115,-72.854373
Posted Speed Limit.....45 MPH
A.K.A.....2044
2015-Minor Arterial 4.....2015-Urban
HPMS Section ID.....
Start Report.....16-Aug-2021 09:00AM
End Report.....19-Aug-2021 09:00AM
Annualized ADT.....Zero
24-Hour Count... 2867 * G4(0.95) = 2723.7
Day 1.....+ 3012 * G4(0.95) = 5585.1
Day 2.....+ 3025 * G4(0.95) = 8458.8
UnRounded AADT.....8458.8 / 3 = 2819.6
OK 2021 Mon 16-Aug -this report-...5900
OK 2020 Mon 28-Sep 5500
OK 2015 Mon 14-Sep 6500
OK 2013 Mon 04-Feb 7300
OK 2009 Wed 02-Dec 5800
OK 2006 Wed 05-Apr 7100

	16-Aug Mon	17-Aug Tue	18-Aug Wed	19-Aug Thu
12:00am		11	12	20
01:00am		6	4	3
02:00am		8	5	8
03:00am		6	6	10
04:00am		21	23	18
05:00am		62	58	22
06:00am		128	130	61
07:00am		193	192	148
08:00am	x	200	195	94
09:00am	154	169	184	x
10:00am	189	163	167	
11:00am	155	175	183	
12:00pm	176	212	203	
01:00pm	198	185	208	
02:00pm	194	216	208	
03:00pm	193	229	215	
04:00pm	190	216	223	
05:00pm	213	221	222	
06:00pm	174	184	172	
07:00pm	138	139	145	
08:00pm	117	135	117	
09:00pm	77	59	71	
10:00pm	47	45	52	
11:00pm	17	29	30	
Totals	2232	3012	3025	384

Status: OK East Combined West Class Speed

sING-044 - West

Route 322 - 9.31 mi West of Route 120

Town.....Southington
Station.....44
Location..... 41.558115,-72.854373
Posted Speed Limit.....45 MPH
A.K.A.....2044
2015-Minor Arterial 4.....2015-Urban
HPMS Section ID.....
Start Report.....16-Aug-2021 09:00AM
End Report.....19-Aug-2021 09:00AM
Annualized ADT.....3038.7
24-Hour Count... 3227 * G4(0.95) = 3065.6
Day 1.....+ 3214 * G4(0.95) = 6118.9
Day 2.....+ 3155 * G4(0.95) = 9116.2
UnRounded AADT.....9116.2 / 3 = 3038.7
OK 2021 Mon 16-Aug -this report-...5900
OK 2020 Mon 28-Sep 5500
OK 2015 Mon 14-Sep 6500
OK 2013 Mon 04-Feb 7300
OK 2009 Wed 02-Dec 5800
OK 2006 Wed 05-Apr 7100

	16-Aug Mon	17-Aug Tue	18-Aug Wed	19-Aug Thu
12:00am		12	12	17
01:00am		9	7	14
02:00am		6	4	2
03:00am		8	5	13
04:00am		17	13	22
05:00am		40	42	71
06:00am		83	96	75
07:00am		141	138	117
08:00am	x	161	146	45
09:00am	159	183	171	x
10:00am	165	157	185	
11:00am	166	195	175	
12:00pm	199	230	199	
01:00pm	190	219	225	
02:00pm	230	209	244	
03:00pm	246	247	289	
04:00pm	273	288	280	
05:00pm	419	319	320	
06:00pm	245	218	203	
07:00pm	192	167	165	
08:00pm	129	144	98	
09:00pm	84	86	72	
10:00pm	38	54	45	
11:00pm	15	21	21	
Totals	2750	3214	3155	376

ITE *Trip Generation* Worksheets

Graph Look Up

ITETripGen Web-based App
Graph Look Up
How to Use *ITETripGen*
TGM Desk Reference
TGM Appendices
Support Documents
Add Users
Comments

Query Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
210

LAND USE GROUP:
(200-299) Residential

LAND USE :
210 - Single-Family Detached Housing

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

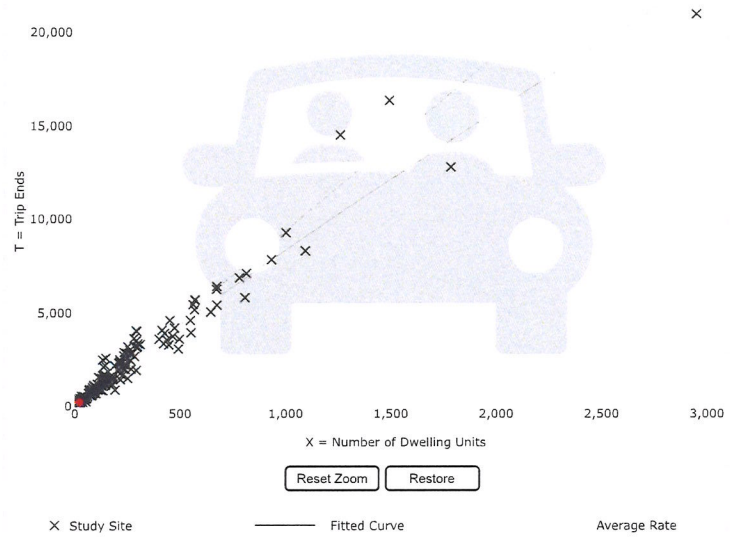
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Single-Family Detached Housing (210) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
174

Avg. Num. of Dwelling Units:
246

Average Rate:
9.43

Range of Rates:
4.45 - 22.61

Standard Deviation:
2.13

Fitted Curve Equation:
Ln(T) = 0.92 Ln(X) + 2.68

R^2:
0.95

Directional Distribution:
50% entering, 50% exiting

Calculated Trip Ends:
Average Rate: 226 (Total), 113 (Entry), 113 (Exit)
Fitted Curve: 271 (Total), 135 (Entry), 136 (Exit)

Add-ons to do more
Try OTISS Pro

Graph Look Up

Query Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
210

LAND USE GROUP:
(200-299) Residential

LAND USE :
210 - Single-Family Detached Housing

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

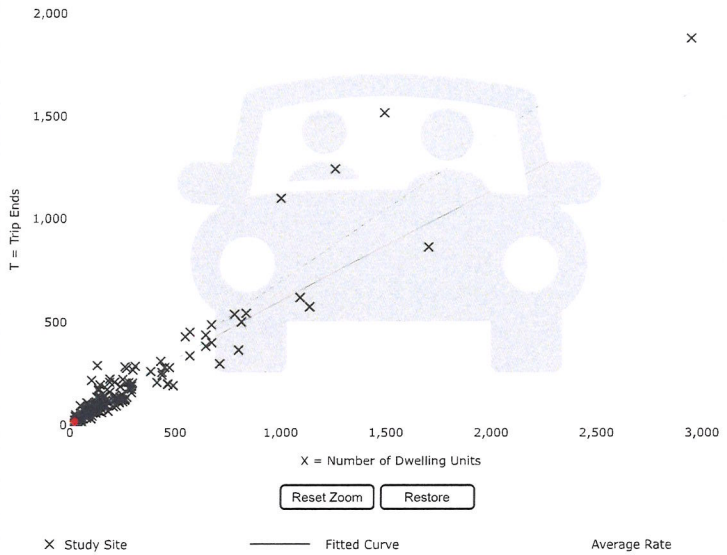
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday, Peak Hour of Adjacent Street Traffi

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Single-Family Detached Housing (210) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday
Peak Hour of Adjacent Street Traffic
One Hour Between 7 and 9 a.m.

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
192

Avg. Num. of Dwelling Units:
226

Average Rate:
0.70

Range of Rates:
0.27 - 2.27

Standard Deviation:
0.24

Fitted Curve Equation:
Ln(T) = 0.91 Ln(X) + 0.12

R^2:
0.90

Directional Distribution:
26% entering, 74% exiting

Calculated Trip Ends:
Average Rate: 17 (Total), 4 (Entry), 13 (Exit)
Fitted Curve: 20 (Total), 5 (Entry), 15 (Exit)

Graph Look Up

Query Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
210

LAND USE GROUP:
(200-299) Residential

LAND USE :
210 - Single-Family Detached Housing

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

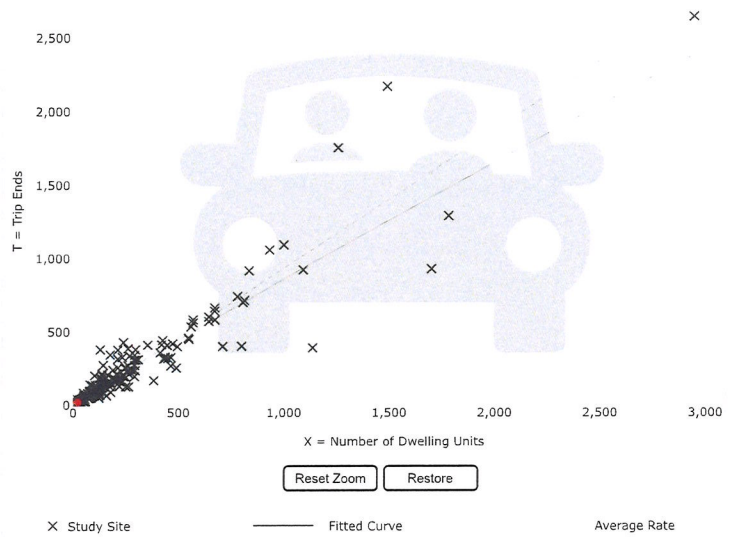
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday, Peak Hour of Adjacent Street Traffi

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Single-Family Detached Housing (210) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday
Peak Hour of Adjacent Street Traffic
One Hour Between 4 and 6 p.m.

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
208

Avg. Num. of Dwelling Units:
248

Average Rate:
0.94

Range of Rates:
0.35 - 2.98

Standard Deviation:
0.31

Fitted Curve Equation:
Ln(T) = 0.94 Ln(X) + 0.27

R^2:
0.92

Directional Distribution:
63% entering, 37% exiting

Calculated Trip Ends:
Average Rate: 23 (Total), 14 (Entry), 9 (Exit)
Fitted Curve: 26 (Total), 16 (Entry), 10 (Exit)

Graph Look Up

Query Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
251

LAND USE GROUP:
(200-299) Residential

LAND USE :
251 - Senior Adult Housing - Single-Family

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

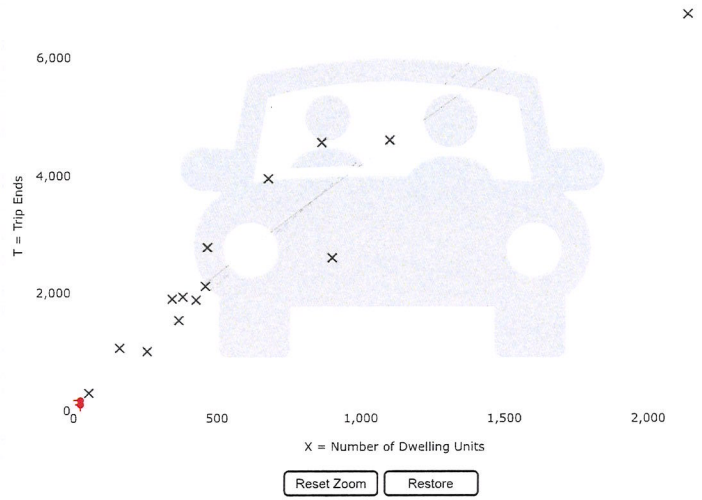
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Senior Adult Housing - Single-Family (251) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
15

Avg. Num. of Dwelling Units:
646

Average Rate:
4.31

Range of Rates:
2.90 - 6.66

Standard Deviation:
1.07

Fitted Curve Equation:
Ln(T) = 0.85 Ln(X) + 2.47

R^2:
0.94

Directional Distribution:
50% entering, 50% exiting

Calculated Trip Ends:
Average Rate: 103 (Total), 51 (Entry), 52 (Exit)
Fitted Curve: 176 (Total), 88 (Entry), 88 (Exit)

Graph Look Up

ITETripGen Web-based App

Graph Look Up

How to Use ITETripGen

TGM Desk Reference

TGM Appendices

Support Documents

Add Users

Comments

Query Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
251

LAND USE GROUP:
(200-299) Residential

LAND USE :
251 - Senior Adult Housing - Single-Family

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

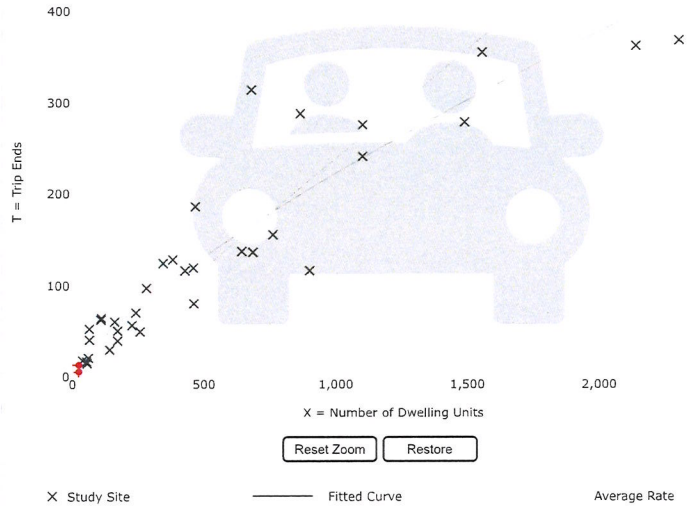
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday, Peak Hour of Adjacent Street Traffi

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Senior Adult Housing - Single-Family (251) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday
Peak Hour of Adjacent Street Traffic
One Hour Between 7 and 9 a.m.

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
34

Avg. Num. of Dwelling Units:
557

Average Rate:
0.24

Range of Rates:
0.13 - 0.84

Standard Deviation:
0.10

Fitted Curve Equation:
Ln(T) = 0.76 Ln(X) + 0.16

R^2:
0.88

Directional Distribution:
33% entering, 67% exiting

Calculated Trip Ends:
Average Rate: 6 (Total), 2 (Entry), 4 (Exit)
Fitted Curve: 13 (Total), 4 (Entry), 9 (Exit)

Add-ons to do more

Try OTISS Pro

Graph Look Up

Query | Filter

DATA SOURCE:
Trip Generation Manual, 11th Ed

SEARCH BY LAND USE CODE:
251

LAND USE GROUP:
(200-299) Residential

LAND USE :
251 - Senior Adult Housing - Single-Family

LAND USE SUBCATEGORY:
All Sites

SETTING/LOCATION:
General Urban/Suburban

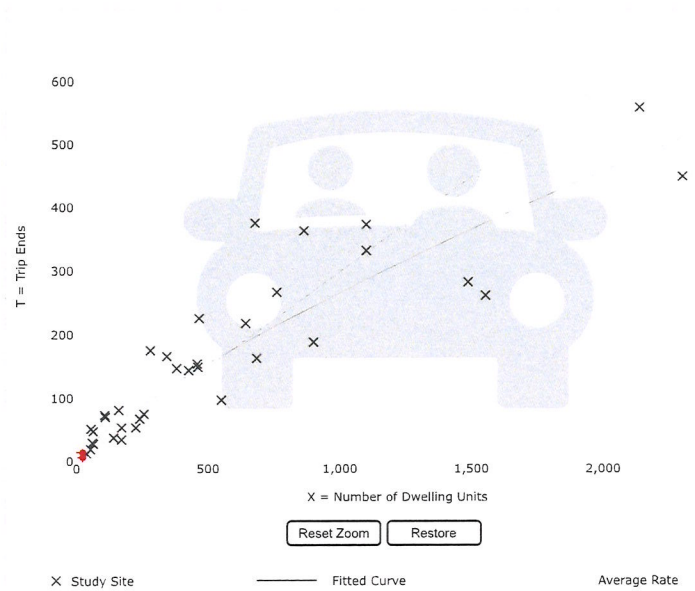
INDEPENDENT VARIABLE (IV):
Dwelling Units

TIME PERIOD:
Weekday, Peak Hour of Adjacent Street Traffi

TRIP TYPE:
Vehicle

ENTER IV VALUE TO CALCULATE TRIPS:
24 Calculate

Data Plot and Equation



Use the mouse wheel to Zoom Out or Zoom In.
Hover the mouse pointer on data points to view X and T values.

DATA STATISTICS

Land Use:
Senior Adult Housing - Single-Family (251) Click for Description and Data Plots

Independent Variable:
Dwelling Units

Time Period:
Weekday
Peak Hour of Adjacent Street Traffic
One Hour Between 4 and 6 p.m.

Setting/Location:
General Urban/Suburban

Trip Type:
Vehicle

Number of Studies:
35

Avg. Num. of Dwelling Units:
556

Average Rate:
0.30

Range of Rates:
0.17 - 0.95

Standard Deviation:
0.12

Fitted Curve Equation:
Ln(T) = 0.78 Ln(X) + 0.20

R^2:
0.86

Directional Distribution:
61% entering, 39% exiting

Calculated Trip Ends:
Average Rate: 7 (Total), 4 (Entry), 3 (Exit)
Fitted Curve: 15 (Total), 9 (Entry), 6 (Exit)

SYNCHRO Capacity Analysis Worksheets

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	213	10	10	419	6	6
Future Volume (Veh/h)	213	10	10	419	6	6
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	232	11	11	455	7	7
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			243		714	238
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			243		714	238
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			99		98	99
cM capacity (veh/h)			1323		394	801

Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	243	466	14
Volume Left	0	11	7
Volume Right	11	0	7
cSH	1700	1323	529
Volume to Capacity	0.14	0.01	0.03
Queue Length 95th (ft)	0	1	2
Control Delay (s)	0.0	0.3	12.0
Lane LOS		A	B
Approach Delay (s)	0.0	0.3	12.0
Approach LOS			B

Intersection Summary			
Average Delay	0.4		
Intersection Capacity Utilization	40.1%	ICU Level of Service	A
Analysis Period (min)	15		

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Lane Configurations						
Traffic Volume (veh/h)	200	3	3	161	9	9
Future Volume (Veh/h)	200	3	3	161	9	9
Sign Control	Free			Free	Stop	
Grade	0%			0%	0%	
Peak Hour Factor	0.92	0.92	0.92	0.92	0.92	0.92
Hourly flow rate (vph)	217	3	3	175	10	10
Pedestrians						
Lane Width (ft)						
Walking Speed (ft/s)						
Percent Blockage						
Right turn flare (veh)						
Median type	None			None		
Median storage veh)						
Upstream signal (ft)						
pX, platoon unblocked						
vC, conflicting volume			220		400	218
vC1, stage 1 conf vol						
vC2, stage 2 conf vol						
vCu, unblocked vol			220		400	218
tC, single (s)			4.1		6.4	6.2
tC, 2 stage (s)						
tF (s)			2.2		3.5	3.3
p0 queue free %			100		98	99
cM capacity (veh/h)			1349		605	821

Direction, Lane #	EB 1	WB 1	NB 1
Volume Total	220	178	20
Volume Left	0	3	10
Volume Right	3	0	10
cSH	1700	1349	697
Volume to Capacity	0.13	0.00	0.03
Queue Length 95th (ft)	0	0	2
Control Delay (s)	0.0	0.1	10.3
Lane LOS		A	B
Approach Delay (s)	0.0	0.1	10.3
Approach LOS			B

Intersection Summary			
Average Delay		0.6	
Intersection Capacity Utilization		20.9%	ICU Level of Service A
Analysis Period (min)		15	

Left Turn Warrant Analysis Worksheets

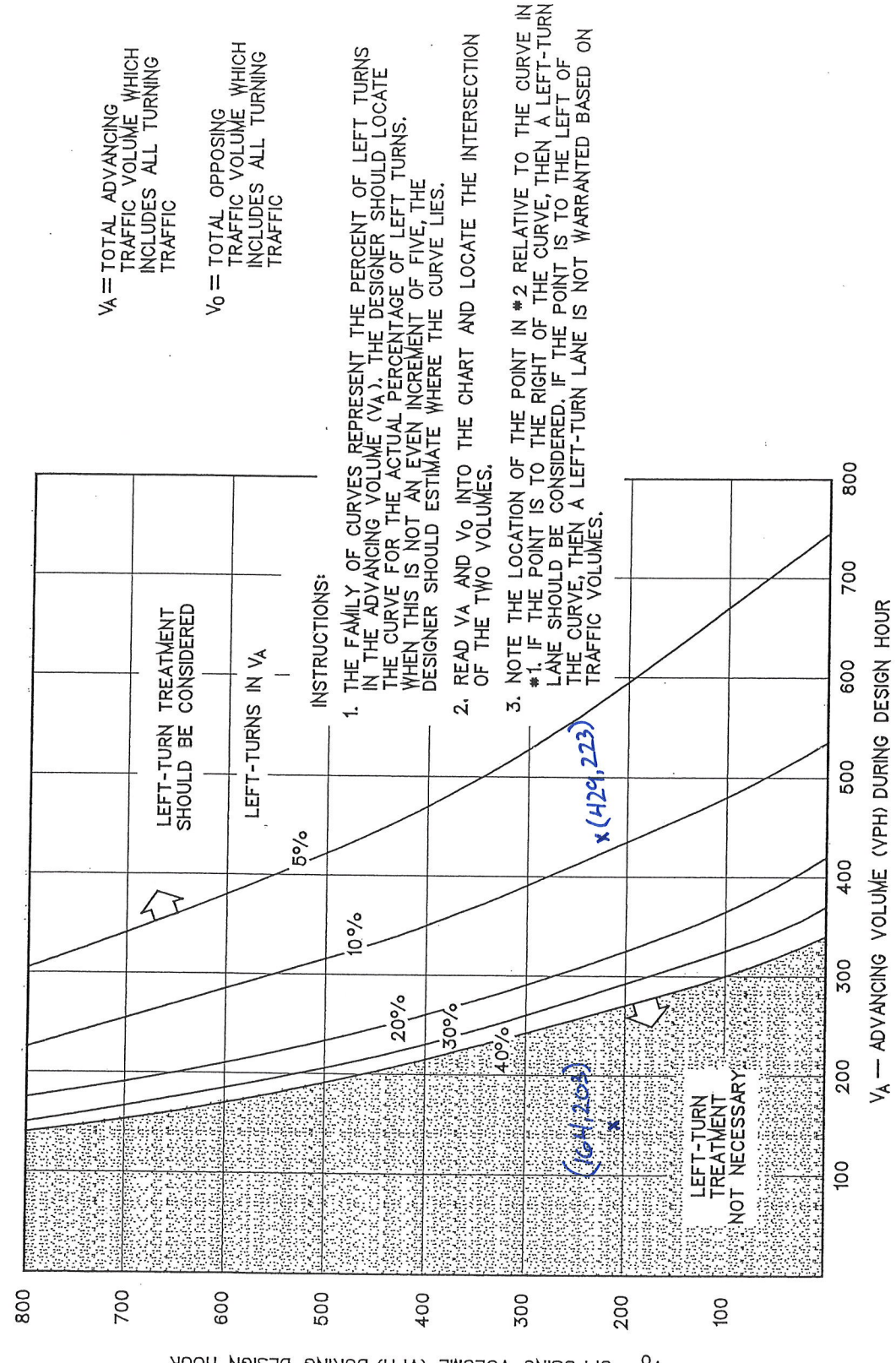
LEFT TURN LANE WARRANT
ANALYSIS WORKSHEET

Proposed Age Restricted Housing
570 Meriden Waterbury Turnpike - Southington, CT

		AM PEAK	PM PEAK
VOLUME ADVANCING	Va =	164	429
LEFT TURN VOLUME	Vl =	3	10
VOLUME OPPOSING	Vo =	203	223
% OF LEFT TURNS	L =	2%	2%
SPEED OF MAINLINE TRAFFIC	V =	45 mph	45 mph

		SAT PEAK
VOLUME ADVANCING	Va =	
LEFT TURN VOLUME	Vl =	
VOLUME OPPOSING	Vo =	
% OF LEFT TURNS	L =	
SPEED OF MAINLINE TRAFFIC	V =	

STORAGE LENGTH REQUIRED _____



VOLUME GUIDELINES FOR LEFT-TURN LANES AT UNSIGNALIZED INTERSECTIONS ON 2-LANE HIGHWAYS (45 mph)

Figure 11-5E

ConnDOT Speed Counts

Status: OK [East] [Combined] [West]

sING-044 - West

Route 322 - 9.31 mi West of Route 120

Town.....Southington
Station.....44
Location..... 41.558115,-72.854373
Posted Speed Limit.....45 MPH
A.K.A.....2044
2015-Minor Arterial 4.....2015-Urban
HPMS Section ID.....
Start Report.....16-Aug-2021 09:00AM
End Report.....19-Aug-2021 09:00AM

All Vehicles Average Speed..... 41 MPH
Total Vehicles.....9495
Percentile Sampling Period... 9AM to 4PM
Vehicle Too Close.....5 secs
Vehicle Too Slow..... < 30 MPH
Speed Lower Limit....15 MPH below Posted

All Report Days
85th Percentile Speed.....46.4 MPH
50th Percentile Speed.....40.6 MPH
10 MPH Pace (66%).....36-45 MPH
All Hours Total Vehicles.....9495
In-Period Total Vehicles.....4283
Omitted Vehicles Too Close (36%)...1553
Omitted Vehicles Too Slow (1%).....63
Sampled Vehicles (62%).....2667

Monday 16-Aug-2021
85th Percentile Speed.....46.6 MPH
50th Percentile Speed.....40.6 MPH
10 MPH Pace (65%).....36-45 MPH
All Hours Total Vehicles.....2750
In-Period Total Vehicles.....1355
Omitted Vehicles Too Close (35%)....468
Omitted Vehicles Too Slow (1%).....18
Sampled Vehicles (64%).....869

Tuesday 17-Aug-2021
85th Percentile Speed.....46.5 MPH
50th Percentile Speed.....40.8 MPH
10 MPH Pace (66%).....36-45 MPH
All Hours Total Vehicles.....3214
In-Period Total Vehicles.....1440
Omitted Vehicles Too Close (36%)....523
Omitted Vehicles Too Slow (2%).....22
Sampled Vehicles (62%).....895

Wednesday 18-Aug-2021
85th Percentile Speed.....46.2 MPH
50th Percentile Speed.....40.5 MPH
10 MPH Pace (66%).....36-45 MPH
All Hours Total Vehicles.....3155
In-Period Total Vehicles.....1488
Omitted Vehicles Too Close (38%)....562
Omitted Vehicles Too Slow (2%).....23
Sampled Vehicles (61%).....903

Thursday 19-Aug-2021
85th Percentile Speed.....N/A
50th Percentile Speed.....N/A
10 MPH Pace ().....N/A
All Hours Total Vehicles.....376
In-Period Total Vehicles.....0
Omitted Vehicles Too Close (0%).....0
Omitted Vehicles Too Slow (0%).....0
Sampled Vehicles ().....0

Hour	MPH 0-15	MPH 16-20	MPH 21-25	MPH 26-30	MPH 31-35	MPH 36-40	MPH 41-45	MPH 46-50	MPH 51-55	MPH 56-60	MPH 61-65	MPH 66-70	MPH 71-75	MPH 76+	Tota Vol
Monday															
16-Aug															
12:00am															
01:00am															
02:00am															
03:00am															
04:00am															
05:00am															
06:00am															
07:00am															
08:00am	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
09:00am	.	.	.	3	26	53	49	18	8	2	.	.	.	.	15
10:00am	.	.	.	4	26	56	54	19	5	1	.	.	.	.	16
11:00am	.	.	1	1	21	49	61	26	6	.	1	.	.	.	16
12:00pm	.	.	.	1	20	61	74	31	10	2	.	.	.	.	19
01:00pm	.	.	.	3	26	61	64	20	13	2	.	1	.	.	19
02:00pm	.	.	.	3	34	67	93	26	6	1	.	.	.	.	23
03:00pm	.	.	1	4	27	72	96	30	16	.	.	.	.	.	24
04:00pm	.	1	1	2	25	92	104	36	8	2	2	.	.	.	27
05:00pm	.	.	.	3	25	147	168	57	16	3	.	.	.	.	41
06:00pm	.	.	.	2	28	70	93	43	9	.	.	.	.	.	24
07:00pm	.	.	1	2	11	64	75	31	6	2	.	.	.	.	19
08:00pm	.	.	.	5	14	35	41	26	6	2	.	.	.	.	12
09:00pm	.	.	.	2	6	20	27	13	14	2	.	.	.	.	8
10:00pm	.	.	.	3	5	9	12	5	2	2	.	.	.	.	3
11:00pm	.	.	.	.	2	2	4	4	3	.	.	.	.	.	1
Totals	0	1	4	38	296	858	1015	385	128	21	3	1	0	0	275
Percent	0.00	0.04	0.15	1.38	10.76	31.20	36.91	14.00	4.65	0.76	0.11	0.04	0.00	0.00	
Tuesday															
17-Aug															
12:00am	.	.	.	.	.	3	3	3	3	.	.	.	.	.	1
01:00am	.	.	.	.	.	3	1	1	3	1	.	.	.	.	
02:00am	.	.	.	1	2	.	.	1	2	.	.	.	.	.	
03:00am	.	.	.	.	.	2	3	1	1	.	.	1	.	.	
04:00am	.	.	.	2	2	8	3	1	1	.	.	.	.	.	1
05:00am	.	.	.	.	2	12	12	6	6	1	1	.	.	.	4
06:00am	.	.	.	1	7	28	28	11	6	1	1	.	.	.	8
07:00am	.	2	1	4	22	41	44	18	8	1	.	.	.	.	14
08:00am	.	.	.	2	19	46	59	28	6	1	.	.	.	.	16
09:00am	.	.	.	4	22	49	66	33	8	1	.	.	.	.	18
10:00am	.	.	1	2	24	50	47	23	5	3	1	1	.	.	15
11:00am	.	.	.	8	25	70	53	30	8	1	.	.	.	.	19
12:00pm	.	.	.	2	25	78	84	33	7	1	.	.	.	.	23
01:00pm	.	.	.	6	27	78	72	26	8	2	.	.	.	.	21
02:00pm	.	.	.	1	13	59	89	38	8	1	.	.	.	.	20
03:00pm	.	.	1	5	24	62	100	44	8	2	1	.	.	.	24
04:00pm	.	.	.	3	29	95	108	39	11	3	.	.	.	.	28
05:00pm	.	.	1	5	28	86	140	53	5	.	1	.	.	.	31
06:00pm	.	.	.	2	19	69	77	40	10	1	.	.	.	.	21
07:00pm	.	.	.	4	20	51	50	32	7	1	1	1	.	.	16
08:00pm	.	.	.	4	12	35	62	21	9	1	.	.	.	.	14
09:00pm	.	.	.	2	8	17	37	17	2	2	.	1	.	.	8
10:00pm	.	1	.	.	5	12	18	9	7	1	1	.	.	.	5
11:00pm	.	.	.	.	.	2	10	5	2	2	.	.	.	.	2
Totals	0	3	4	58	335	956	1166	513	141	27	7	4	0	0	321
Percent	0.00	0.09	0.12	1.80	10.42	29.74	36.28	15.96	4.39	0.84	0.22	0.12	0.00	0.00	
Wednesday															
18-Aug															
12:00am	.	.	.	.	1	1	5	5	.	.	.	.	.	.	1
01:00am	.	.	.	1	.	1	1	.	2	2	.	.	.	.	
02:00am	.	.	.	.	.	.	2	.	1	.	1	.	.	.	
03:00am	.	.	.	.	.	.	2	3	.	.	.	.	.	.	
04:00am	.	.	1	.	2	5	2	1	2	.	.	.	.	.	1
05:00am	.	.	.	1	5	9	13	10	4	.	.	.	.	.	4
06:00am	.	1	.	.	3	38	34	14	4	1	1	.	.	.	9
07:00am	.	.	.	1	19	44	39	21	13	1	.	.	.	.	13
08:00am	.	.	.	5	26	47	46	17	3	2	.	.	.	.	14
09:00am	.	.	.	9	25	51	58	25	1	1	.	1	.	.	17
10:00am	.	.	1	5	39	63	56	18	2	1	.	.	.	.	18
11:00am	.	.	.	.	14	63	65	25	8	.	.	.	.	.	17
12:00pm	1	.	.	5	13	74	74	26	6	.	.	.	.	.	19
01:00pm	.	.	.	4	27	69	85	33	5	2	.	.	.	.	22
02:00pm	.	1	.	3	27	68	90	44	10	1	.	.	.	.	24
03:00pm	.	.	.	5	34	88	112	40	9	1	.	.	.	.	28
04:00pm	.	.	.	3	36	89	101	40	9	1	1	.	.	.	28
05:00pm	.	.	.	7	29	73	135	55	20	1	.	.	.	.	32
06:00pm	.	.	1	5	21	45	86	32	11	1	1	.	.	.	20
07:00pm	.	.	.	5	16	38	69	26	9	2	.	.	.	.	16
08:00pm	.	.	.	.	11	25	41	14	6	.	1	.	.	.	9
09:00pm	.	.	.	1	8	16	27	16	3	.	1	.	.	.	7
10:00pm	.	.	.	.	5	10	12	9	6	1	2	.	.	.	4
11:00pm	.	.	.	1	2	4	3	5	3	1	1	1	.	.	2
Totals	1	2	3	61	363	921	1158	479	137	19	9	2	0	0	315
Percent	0.03	0.06	0.10	1.93	11.51	29.19	36.70	15.18	4.34	0.60	0.29	0.06	0.00	0.00	
Thursday															
19-Aug															

12:00am	.	.	.	.	4	3	3	4	2	1	.	.	.	.	1
01:00am	.	.	1	.	1	1	2	7	2	.	.	.	.	.	1
02:00am	.	.	.	.	.	2	.	.	.	.	.	.	.	.	
03:00am	8	1	.	1	.	1	2	.	.	.	.	.	.	.	1
04:00am	14	.	.	.	2	4	.	1	1	.	.	.	.	.	2
05:00am	47	16	1	1	2	2	.	1	.	1	.	.	.	.	7
06:00am	46	9	.	.	4	9	5	1	.	1	.	.	.	.	7
07:00am	15	4	2	5	15	39	23	12	2	.	.	.	.	.	11
08:00am	.	.	.	2	12	14	15	1	1	.	.	.	.	.	4
09:00am	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
10:00am															
11:00am															
12:00pm															
01:00pm															
02:00pm															
03:00pm															
04:00pm															
05:00pm															
06:00pm															
07:00pm															
08:00pm															
09:00pm															
10:00pm															
11:00pm															
Totals	130	30	4	9	40	75	50	27	8	3	0	0	0	0	37
Percent	34.57	7.98	1.06	2.39	10.64	19.95	13.30	7.18	2.13	0.80	0.00	0.00	0.00	0.00	

Status: OK [East] [Combined] [West]

sING-044 - East

Route 322 - 9.31 mi West of Route 120

Town.....Southington
Station.....44
Location..... 41.558115,-72.854373
Posted Speed Limit.....45 MPH
A.K.A.....2044
2015-Minor Arterial 4.....2015-Urban
HPMS Section ID.....
Start Report.....16-Aug-2021 09:00AM
End Report.....19-Aug-2021 09:00AM

All Vehicles Average Speed..... 36 MPH
Total Vehicles.....8653
Percentile Sampling Period... 9AM to 4PM
Vehicle Too Close.....5 secs
Vehicle Too Slow..... < 30 MPH
Speed Lower Limit....15 MPH below Posted

All Report Days
85th Percentile Speed.....46.7 MPH
50th Percentile Speed.....38.2 MPH
10 MPH Pace (57%).....31-40 MPH
All Hours Total Vehicles.....8653
In-Period Total Vehicles.....3976
Omitted Vehicles Too Close (30%)...1198
Omitted Vehicles Too Slow (17%).....684
Sampled Vehicles (53%).....2094

Monday 16-Aug-2021
85th Percentile Speed.....47.2 MPH
50th Percentile Speed.....38.5 MPH
10 MPH Pace (57%).....31-40 MPH
All Hours Total Vehicles.....2232
In-Period Total Vehicles.....1259
Omitted Vehicles Too Close (29%)....360
Omitted Vehicles Too Slow (16%).....200
Sampled Vehicles (56%).....699

Tuesday 17-Aug-2021
85th Percentile Speed.....46.2 MPH
50th Percentile Speed.....38.2 MPH
10 MPH Pace (57%).....31-40 MPH
All Hours Total Vehicles.....3012
In-Period Total Vehicles.....1349
Omitted Vehicles Too Close (31%)....416
Omitted Vehicles Too Slow (17%).....226
Sampled Vehicles (52%).....707

Wednesday 18-Aug-2021
85th Percentile Speed.....46.8 MPH
50th Percentile Speed.....37.7 MPH
10 MPH Pace (58%).....31-40 MPH
All Hours Total Vehicles.....3025
In-Period Total Vehicles.....1368
Omitted Vehicles Too Close (31%)....422
Omitted Vehicles Too Slow (19%).....258
Sampled Vehicles (50%).....688

Thursday 19-Aug-2021
85th Percentile Speed.....N/A
50th Percentile Speed.....N/A
10 MPH Pace ().....N/A
All Hours Total Vehicles.....384
In-Period Total Vehicles.....0
Omitted Vehicles Too Close (0%).....0
Omitted Vehicles Too Slow (0%).....0
Sampled Vehicles ().....0

Hour	MPH 0-15	MPH 16-20	MPH 21-25	MPH 26-30	MPH 31-35	MPH 36-40	MPH 41-45	MPH 46-50	MPH 51-55	MPH 56-60	MPH 61-65	MPH 66-70	MPH 71-75	MPH 76+	Tota Vol
Monday															
16-Aug															
12:00am															
01:00am															
02:00am															
03:00am															
04:00am															
05:00am															
06:00am															
07:00am															
08:00am	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
09:00am	.	.	1	22	37	35	30	20	5	4	.	.	.	.	15
10:00am	10	9	17	32	43	22	35	14	6	1	.	.	.	.	18
11:00am	.	4	14	30	38	24	24	14	5	2	.	.	.	.	15
12:00pm	4	9	17	19	33	33	32	19	7	3	.	.	.	.	17
01:00pm	5	7	22	45	44	29	24	16	4	1	1	.	.	.	19
02:00pm	4	9	15	18	38	43	37	17	9	3	1	.	.	.	19
03:00pm	2	5	11	28	37	42	37	20	7	4	.	.	.	.	19
04:00pm	1	3	17	27	33	39	35	29	4	2	.	.	.	.	19
05:00pm	3	10	23	46	41	40	28	12	8	2	.	.	.	.	21
06:00pm	1	2	14	31	45	30	25	15	10	1	.	.	.	.	17
07:00pm	1	3	8	13	31	28	29	17	6	1	1	.	.	.	13
08:00pm	1	8	8	15	25	21	20	11	8	.	.	.	.	.	11
09:00pm	.	.	3	4	12	22	19	10	4	3	.	.	.	.	7
10:00pm	.	.	1	6	7	12	11	4	5	1	.	.	.	.	4
11:00pm	.	.	.	1	4	5	5	1	1	.	.	.	.	.	1
Totals	32	69	171	337	468	425	391	219	89	28	3	0	0	0	223
Percent	1.43	3.09	7.66	15.10	20.97	19.04	17.52	9.81	3.99	1.25	0.13	0.00	0.00	0.00	
Tuesday															
17-Aug															
12:00am	.	.	.	.	2	1	6	1	1	.	.	.	.	.	1
01:00am	.	.	.	2	1	1	.	.	.	1	.	.	.	1	
02:00am	.	.	.	.	.	4	3	.	1	.	.	.	.	.	
03:00am	.	.	.	.	.	1	1	2	1	1	.	.	.	.	
04:00am	.	.	.	.	3	6	3	7	.	1	1	.	.	.	2
05:00am	.	.	1	4	15	6	16	5	9	6	.	.	.	.	6
06:00am	.	2	3	16	22	31	12	22	12	6	2	.	.	.	12
07:00am	4	5	23	30	36	36	33	17	8	1	.	.	.	.	19
08:00am	14	7	14	38	50	32	23	16	5	1	.	.	.	.	20
09:00am	4	4	16	29	34	24	29	19	8	2	.	.	.	.	16
10:00am	1	11	12	29	24	41	25	9	8	1	2	.	.	.	16
11:00am	6	4	13	31	38	31	37	10	4	1	.	.	.	.	17
12:00pm	1	10	23	27	49	39	41	13	5	3	1	.	.	.	21
01:00pm	.	4	10	23	36	38	42	22	9	1	.	.	.	.	18
02:00pm	7	15	18	29	46	43	30	26	2	.	.	.	.	.	21
03:00pm	9	14	26	32	56	34	34	19	3	2	.	.	.	.	22
04:00pm	3	9	14	36	54	40	34	19	6	1	.	.	.	.	21
05:00pm	6	13	11	46	44	39	32	17	11	2	.	.	.	.	22
06:00pm	2	3	10	21	36	38	36	28	7	2	1	.	.	.	18
07:00pm	1	3	8	15	27	25	38	12	8	1	1	.	.	.	13
08:00pm	1	7	9	22	29	19	23	18	4	1	2	.	.	.	13
09:00pm	.	1	4	8	4	16	14	6	3	2	1	.	.	.	5
10:00pm	.	.	1	5	8	9	12	7	3	.	.	.	.	.	4
11:00pm	.	.	.	.	3	6	5	6	6	1	1	1	.	.	2
Totals	59	112	216	443	617	560	529	301	124	37	12	1	0	1	301
Percent	1.96	3.72	7.17	14.71	20.48	18.59	17.56	9.99	4.12	1.23	0.40	0.03	0.00	0.03	
Wednesday															
18-Aug															
12:00am	.	.	.	1	1	2	3	2	3	.	.	.	.	.	1
01:00am	.	.	.	1	.	1	.	2	.	.	.	.	.	.	
02:00am	.	.	.	.	.	.	3	1	1	.	.	.	.	.	
03:00am	.	.	.	.	.	1	3	2	.	.	.	.	.	.	
04:00am	.	.	.	1	1	5	6	3	5	1	1	.	.	.	2
05:00am	.	.	2	6	10	13	15	7	4	1	.	.	.	.	5
06:00am	.	4	8	13	26	23	25	19	9	2	1	.	.	.	13
07:00am	4	5	22	30	41	38	35	13	3	1	.	.	.	.	19
08:00am	8	7	18	32	45	38	26	15	5	1	.	.	.	.	19
09:00am	3	11	17	32	41	26	23	23	7	1	.	.	.	.	18
10:00am	4	11	23	28	36	32	18	8	5	2	.	.	.	.	16
11:00am	2	4	14	35	38	31	29	22	5	1	2	.	.	.	18
12:00pm	6	8	14	31	47	39	29	19	7	3	.	.	.	.	20
01:00pm	.	3	11	40	42	46	37	18	10	1	.	.	.	.	20
02:00pm	5	10	23	27	52	38	30	19	2	2	.	.	.	.	20
03:00pm	12	7	24	35	40	41	30	14	11	1	.	.	.	.	21
04:00pm	8	9	21	36	46	43	32	15	12	1	.	.	.	.	22
05:00pm	3	3	16	32	46	39	46	22	10	3	.	2	.	.	22
06:00pm	3	3	10	27	42	28	34	18	4	1	2	.	.	.	17
07:00pm	4	5	10	21	28	30	27	11	9	.	.	.	.	.	14
08:00pm	.	1	10	25	14	25	23	12	5	1	1	.	.	.	11
09:00pm	.	1	6	9	13	14	11	12	3	2	.	.	.	.	7
10:00pm	1	1	.	5	4	11	14	12	2	2	.	.	.	.	5
11:00pm	.	.	2	.	7	4	8	3	2	2	2	.	.	.	3
Totals	63	93	251	467	620	568	507	292	124	29	9	2	0	0	302
Percent	2.08	3.07	8.30	15.44	20.50	18.78	16.76	9.65	4.10	0.96	0.30	0.07	0.00	0.00	
Thursday															
19-Aug															

2021 sING-044 - Speed

12:00am	.	.	.	1	1	6	2	8	1	1	.	.	.	.	2(
01:00am	.	1	.	.	.	.	1	.	1	.	.	.	.	.	
02:00am	.	.	.	1	.	2	2	.	3	.	.	.	.	.	
03:00am	.	.	.	2	2	.	5	.	1	.	.	.	.	.	1(
04:00am	.	.	2	1	1	1	5	3	5	.	.	.	.	.	1
05:00am	.	.	1	3	4	6	2	3	2	.	1	.	.	.	2
06:00am	1	3	5	12	11	14	8	5	2	.	.	.	.	.	6
07:00am	1	8	20	28	26	27	24	11	2	1	.	.	.	.	14
08:00am	4	3	9	22	25	15	11	2	3	.	.	.	.	.	9
09:00am	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
10:00am															
11:00am															
12:00pm															
01:00pm															
02:00pm															
03:00pm															
04:00pm															
05:00pm															
06:00pm															
07:00pm															
08:00pm															
09:00pm															
10:00pm															
11:00pm															
Totals	6	15	37	70	70	71	60	32	20	2	1	0	0	0	38
Percent	1.56	3.91	9.64	18.23	18.23	18.49	15.63	8.33	5.21	0.52	0.26	0.00	0.00	0.00	