2009

Virginia Department of Transportation Daily Traffic Volume Estimates Including Vehicle Classification Estimates

where available

Special Locality Report 237

Town of Hillsville

Information in this report is included in Report

17

(Carroll County)

Prepared By

Virginia Department of Transportation Traffic Engineering Division

In Cooperation With

U.S. Department of Transportation Federal Highway Administration

Virginia Department of Transportation Traffic Engineering Division Traffic Monitoring Section

The Virginia Department of Transportation (VDOT) conducts a program where traffic count data are gathered from sensors in or along streets and highways and other sources. From these data, estimates of the average number of vehicles that traveled each segment of road are calculated. VDOT periodically publishes booklets listing these estimates.

One of these booklets, titled "Average Daily Traffic Volumes with Vehicle Classification Data, on Interstate, Arterial and Primary Routes" includes a list of each Interstate and Primary highway segment with the estimated Annual Average Daily Traffic (AADT) for that segment. AADT is the total annual traffic estimate divided by the number of days in the year. This booklet also includes information such as estimates of the percentage of the AADT made up by 6 different vehicle types, ranging from cars to double trailer trucks; estimated Annual Average Weekday Traffic (AAWDT), which is the number of vehicles estimated to have traveled the segment of highway during a 24 hour weekday averaged over the year; as well as Peak Hour and Peak Direction factors used by planners to formulate design criteria.

In addition to the Primary and Interstate publication, one hundred books are published periodically, one for each of 100 areas across the state defined by VDOT for record-keeping purposes. These books include traffic volume estimates for roads within the county, cities, and towns within the area. These books are titled "Daily Traffic Volumes Including Vehicle Classification Estimates, where available; Jurisdiction Report numbers 00 through 99".

Also available are a number of reports summarizing the average Vehicle Miles Traveled (VMT) in selected jurisdictions and other categories of highways. There are many different ways to present traffic volume summary information. Because the user determines the value of each presentation, the reports have been redesigned based on user requests and feedback. The people of the VDOT Traffic Engineering Division Traffic Monitoring Section who produce these books welcome requests for other helpful ways of presenting the summary information.

A compact disc (CD) is available that includes files in the Adobe® Portable Document Format (PDF) that can be displayed, searched, and printed using common desktop computer equipment. The CD includes the publications described above as well as a number of other reports, including specialized VMT summaries and smaller AADT reports for each city and town separately.

Publication Notes

Parallel Roads

For road inventory and management purposes, some roadways are counted separately by direction and have separately published traffic estimates for each direction of travel. Examples of such roadways are the interstate system and routes with separated facilities and (usually) one-way traffic facilities in urban areas. In these publications, they are referred to as parallel roads. As a convenience for the users of the publication, the listing for segments of roads with parallel segments are published with both the traffic estimates for their own direction of travel (e.g. I-95 Northbound) as well as the estimate of the total of all traffic on the same route including parallel roadways (all directions of I-95). The publication will have a "Combined Traffic Estimates for Parallel Roadways on this Route" or "Combined Traffic" identifiers for the combined direction of travel estimates.

Roadways such as I-395 with a North segment, a South segment and a separate Reversible lane segment will have the estimate for more than two parallel roadways included in the entire combined traffic estimate.

Some routes have very complicated paths through cities and towns. These parallel paths may be too complex to allow a relationship between nearby sections of the opposite direction on the same route. In this case, to indicate that the traffic estimates for such a road segment may not include all directions of traffic on that route, the line that would list the combined values will indicate "NA" for not available.

VDOT's traffic monitoring program includes more than 100,000 segments of roads and highways ranging from several mile sections of Interstate highways to very short sections of city streets. Due to problems experienced obtaining some traffic count data, and the level of quality necessary to maintain confidence in the data, no estimate is currently available for some segments of roadway. These segments are included in the publications indicating "NA" for not available. It is the intention of the VDOT Traffic Engineering Division Traffic Monitoring group to obtain the data necessary and to report traffic volume estimates on all road segments included in these publications.

Many of the road segments in this program are local secondary roads. The amount and detail of data collected on these roads are not as great as the data collected on higher volume roads. The vehicle classification, average weekday traffic volumes, and the theoretical design hour traffic volumes are not calculated for these roads. The publications indicate "NA" for the information that is not available.

This publication is based on a traffic monitoring program initiated in 1997. Because the data collection techniques and statistical evaluation processes are different than those used in previous years, comparison with previous publications may be misleading.

Glossary of Terms:

Route: The Route Number assigned to this segment of roadway with the master inventory route number if this is an overlapping route, with official street or highway name if available.

Length: Length of the traffic segment in miles.

AADT: Annual Average Daily Traffic. The estimate of typical daily traffic on a road segment for all days of the week, Sunday through Saturday, over the period of one year.

QA: Quality of AADT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- H Historical Estimate
- M Manual Uncounted Estimate
- N AADT of Similar Neighboring Traffic Link
- O Provided By External Source
- R Raw Traffic Count, Unfactored

4Tire: Percentage of the traffic volume made up of motorcycles, passenger cars, vans and pickup trucks.

Bus: Percentage of the traffic volume made up of busses.

2Axle Truck: Percentage of the traffic volume made up of 2 axle single unit trucks (not including pickups and vans).

3+Axle Truck: Percentage of the traffic volume made up of single unit trucks with three or more axles.

1Trail Truck: Percentage of the traffic volume made up of units with a single trailer.

2Trail Truck: Percentage of the traffic volume made up of units with more than one trailer.

QC: Quality of Classification Data:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- C Short Term Classified Traffic Count Data
- F Factored Short Term Traffic Count Data
- H Historical Estimate
- M Mass Collective Average
- N Classification Estimates of Similar Neighboring Traffic Link

K Factor: The estimate of the portion of the traffic volume traveling during the peak hour or design hour.

QK: Quality of the K Factor estimate:

- A Factor based on 30th Highest Hour Observed During at least 250 days of Continuous Traffic Data
- B Factor based on other Hour Observed During Less than 250 days of Continuous Traffic Data
- F Factor based on Highest Hour Collected at in a 48 Hour Weekday Period
- M Factor based on Manual Estimate of design hour
- N Design Hour Factor (K Factor) of Similar Neighboring Traffic Link
- O Provided by External Source

Dir Factor: The estimate of the portion of the traffic volume traveling in the peak direction during the peak hour..

AAWDT: Average Annual Weekday Traffic. The estimate of typical traffic over the period of one year for the days between Monday through Thursday inclusive.

QW: Quality of AAWDT:

- A Average of Complete Continuous Count Data
- B Average of Selected Continuous Count Data
- F Factored Short Term Traffic Count Data
- G Factored Short Term Traffic Count Data with Growth Element
- M Manual Uncounted Estimate
- N AAWDT of Similar Neighboring Traffic Link
- O Provided by External Source

Year: Year for which the published values are appropriate. If the Quality of AADT (QA) is "R", the year is the year that the raw traffic count was collected, and if available,

Route Shield Legend

Route Systems

North 81	Interstate Route	Traffic volume data for Interstate Routes and some other routes are reported separately by direction, as well as combined.									
29	US Route										
7	Virginia State Route										
(F241)	Frontage Road (F	precedes frontage route number)									
(600)	Secondary Route										

Special Routes

Bus	Bus - Business Route
29	Bypas - Bypass Route
	Truck - Truck Route
ALT	ALT - Alternate Route
(220)	Wye - Wye Route connector

- P Parallel Route; Southbound or Westbound direction lanes of a numbered route where they are on a different road facility than the other direction.
- The VDOT Maintainenance Jurisdiction number is displayed below the Secondary Route Number if the Maintenance Jurisdiction is different than the jurisdiction in the title of the report.

Virginia Department of Transportation Traffic Engineering Division

2009 Annual Average Daily Traffic Volume Estimates By Section of Route Town of Hillsville

Route	Jurisdiction	Length	th AADT		4Tire	Rus		Tru	ıck		QC	K	QK	Dir	Λ Λ\Λ\DT	OW/
Route	Junsulction	Lengui	AADI	QA	41116	Dus	2Axle	3+Axle	1Trail	2Trail	QC	Factor	QI	Factor	AAWDI	QVV
	From:	S	CL Hillsvill	e												
(52) Main St	Town of Hillsville (Maint: 17)	1.92	4900	G	97%	0%	2%	1%	1%	0%	F	0.081	F	0.565	5200	G
	To	US 58	8 West Stua	rt Dr												
52 Main St	Town of Hillsville (Maint: 17)	2.23	5000	G	94%	1%	1%	3%	1%	0%	F	0.092	F	0.53	5200	G
	To:	N	CL Hillsvill	e										Factor 0.565		
	From:	W	CL Hillsvill	le												
(58) (221) West Stuart Dr	Town of Hillsville (Maint: 17)	2.10	14000	N	94%	0%	1%	1%	4%	0%	Ν	0.08	Ν	0.528	15000	N
	To: From:	US	221 Floyd P	ike												
58 East Stuart Dr	Town of Hillsville (Maint: 17)	2.26	4300	G	94%	0%	1%	1%	4%	0%	С	0.083	F	0.636	4500	G
	To:	E	CL Hillsvill	e												
	From:	US	221 Floyd P	ike												
(100) Sylvatus Highway	Town of Hillsville (Maint: 17)	0.90	3200	N	94%	1%	1%	3%	1%	0%	Ν	0.090	Ν	0.503	3400	Ν
	To:	N	CL Hillsvill	e												
	From:	C	L Hillsville	;												
221 58 West Stuart Dr	Town of Hillsville (Maint: 17)	2.10	14000	N	94%	0%	1%	1%	4%	0%	Ν	0.08	Ν	0.528	15000	Ν
	To:		US 58												5200 15000 4500 3400	
~~~	From:	US	5 58 Stuart I	Or												
(221) Floyd Pike	Town of Hillsville (Maint: 17)	1.42	7500	G	96%	1%	1%	1%	1%	0%	F	0.1	F	0.57	7900	G
<u> </u>	To:	E	CL Hillsvill	e												

6/12/2010 7

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Route	Length	AADT	QA	4Tire	Bus		Truck 3+Axle 1			QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Γown of Hillsville		From				HC 5	2 Main St				-					
668 Virginia St	0.83	990	R			03 3.	2 Maii St				NA			NA		09/24/200
-		To From				US 58 E	ast Stuart Dr									
668 Cavalier Dr	0.35	530	R								NA			NA		09/17/200
<u> </u>	0.00	From				17-972 L	ynnhaven Ro				$\rightarrow$			NIA		00/47/000
668 Cavalier Dr	0.06	390 To	R			NCL	Hillsville				NA T			NA		09/17/200
		From					Hillsville									
670	0.11	850	N	96%	1%	2%	1%	0%	0%	Ν	0.112	Ν	0.729	890	Ν	2009
		То					Danville Pike									
703	1.00	From <b>80</b>	R			17-959 Wi	llow Grove F	<u>kd</u>			 NA			NA		09/27/200
70,3)	1.00	То				US 58 W	est Stuart Di									00/21/20
		From				WCL	Hillsville									
714) Old Galax Pike	0.06	950	R			.=		~			NA			NA		09/24/200
<u> </u>								St								
780) Howlette St	2.30		L			US 5:	2 Main St				NΔ			ΝΔ		09/24/200
780 Howlette St	2.50	To				US 58 W	est Stuart Di							INA		03/24/200
		From				US 5:	2 Main St									
835 John Edward Lane	0.50	110	R								NA			NA		09/29/20
		To				De	ad End								09 09 09 0 G	
Al A	0.00	From	S   S   West state   D	NIA		00/40/00										
Akers Ave	0.20		r -			De	ad End				NA			NA		09/19/20
		From														
886 Island Creek Dr	0.20	1500	G	98%	0%			0%	0%	С	0.103	F	0.575	1500	G	2009
349		To	-					ne								
886) Island Creek Dr	0.36	1400 From	G	98%					0%	F	0.103	F	0.564	1500	G	2009
17)		То				ECL	Hillsville									
O						WCL	Hillsville									
959 Willow Grove Rd	0.53	6 To	R			17 702 C	uda sa Mili D	a			NA			NA		11/07/20
		From					ardner Mill R Hillsville	u								
962) Water Plant Rd	0.52	260	R			WCL	Tillisville				NA			NA		09/19/20
992		To				US 5:	2 Main St									
		From				17-668	Cavalier Dr									
972 Lynnhaven Rd	0.18	50	R								NA			NA		09/17/20
<u> </u>		To					ad End									
1000 Nicholas St	0.15	From	R			17-1017	Lyons Circle				 NA			NA		09/19/20
Nicholas St			_											INA		09/19/20
•	00	To				17-668	Virginia St									
		To					Virginia St E Gravson S									
	0.15		R				Virginia St E Grayson S	t			 NA			NA		09/24/20
		From <b>770</b>	R			17-1002,	E Grayson S				NA			NA		09/24/20
1001) Pine St		From	R R			17-1002,		i .			NA NA NA			NA NA		
1001) Pine St	0.15	From <b>770</b> To From				17-1002, 17-100	E Grayson S									
1001 Pine St 1001 Pine St	0.15	From <b>770</b> To From				17-1002, 17-100	E Grayson S  08 Court St  3 Carroll St									09/17/20
1001 Pine St 1001 Pine St	0.15	770  Ta From 830  To From From	R			17-1002, 17-100 17-1009	E Grayson S  8 Court St  3 Carroll St  Edgewood D				NA			NA		09/17/20
1001 Pine St 1001 Pine St 1001 Pine St	0.15 0.05 0.06	770  To From 1000  To From From From From From From From Fro	R			17-1002, 17-100 17-1009	E Grayson S  08 Court St  3 Carroll St				NA NA			NA NA		09/17/20
1001 Pine St 1001 Pine St 1001 Pine St	0.15	770 770 830 From 1000	R			17-1002, 17-100 17-100 17-1009 US 52	E Grayson S  8 Court St  3 Carroll St  Edgewood D  2; 17-1020				NA			NA		09/24/200 09/17/200 09/24/200 09/17/200
1001 Pine St 1001 Pine St 1001 Pine St	0.15 0.05 0.06	770  To From 1000  To From From From From From From From Fro	R			17-1002, 17-100 17-100 17-1009 US 52	E Grayson S  8 Court St  3 Carroll St  Edgewood D				NA NA			NA NA		09/17/20

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Route	Length	AADT	QA	4Tire	Bus		Truck 3+Axle 1Tra		QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Hillsville		From	c			IIC 5	2 Main St			-					
(1003) Carroll St	0.07	1100	R			US 3.	2 Maii St			NA			NA		09/17/2007
(1003) Carroll St		To				17-10	01 Pine St								
^		From	c			De	ad End								
(1004) Center St	0.15	400	R							NA			NA		09/24/2007
		10					2 Main St								
(1005) Ginger Lane	0.02	30 From	R			De	ad End			 NA			NA		09/17/2007
Ginger Lane	0.02	To			1	7-1016 Mor	ningview Heights	i					INA		09/11/2001
		From	:				7 Archa St								
Jones Rd	0.31	460	R							NA			NA		09/19/2007
17)		To	:			17-668	Virginia St								
		From	:			US 5:	2 Main St								
(1007) Archa St	0.29	240	R							NA			NA		09/19/2007
<u> </u>		To From				17-1024	Dogwood Dr			_					
1007 Archa St	0.06	160	R							NA			NA		09/19/2007
		To From				17-1025 C	hinquapin Trail			_					
1007 Archa St	0.51	140	R							NA			NA		09/19/2007
<u> </u>		To From				17-100	6 Jones Rd			_					
1007 Archa St	0.15	49	R							NA			NA		09/19/2007
		To	c			De	ad End								
		From	:			US 5	2 Main St								
(1008) Court St	0.07	850	R							NA			NA		09/17/2007
<u> </u>		To					01 Pine St								
	0.07	From				US 5	2 Main St						NIA		00/47/000
1009 Edgewood Dr	0.07	670	R							NA 			NA		09/17/2007
O = 1 = 15		From				17-10	01 Pine St								
1009 Edgewood Dr	0.30	420	R							NA			NA		09/17/2007
		From				17-1010	Evergreen St			⊒					
1009 Edgewood Dr	0.20	260	R							NA			NA		09/19/2007
		To From				17-102	26 Lynn St								
(1009) Edgewood Dr	0.12	60 To	R			D.	15.1			NA			NA		09/19/2007
			1				ad End								
Cyararaan Ct	0.24	From	R			De	ad End			 NA			NΙΔ		00/47/2007
1010 Evergreen St	0.24	250								INA			NA		09/17/2007
Ct	0.00	From				17-1009	Edgewood Dr						NIA		00/40/0007
(1010) Evergreen St	0.09	360 To	R			De	ad End			NA			NA		09/19/2007
		From	:				land Creek Dr								
(1011) Valley View Lane	0.30	60	R			17-000 18	iana Creek Dr			NA			NA		09/17/2007
(1011) Valley View Lane	0.00	To				De	ad End			Ti i					00/11/2001
		From	:			17-1013	3 Fulcher St								
(1012) Fulcher St	0.14	1200	R							NA			NA		09/24/2007
17)		To	:			US 58 E	ast Stuart Dr								
		From	:			17-1015	Wilkinson Dr								
1013 Fulcher St	0.18	1200	R							NA			NA		09/24/2007
<u> </u>		To					2 Fulcher St								
O 0-1 0:	0.00	From				US 58 W	est Stuart Dr								00/04/225
1014 Oak St	0.33	<b>40</b>	R			110.5	2 Main Ct			NA			NA		09/24/2007
			<u> </u>				2 Main St								
Wilkinson Dr	0.42	1400	<u> </u>			US 5:	2 Main St			NIA			NΙΛ		00/24/2007
(1015) Wilkinson Dr	0.12	1400	R							NA —			NA		09/24/2007
		To From	R			17-1013	3 Fulcher St			NA					09/24/2007
(1015) Wilkinson Dr	0.08	580											NA		

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Route	Length	AADT	QA	4Tire	Bus			Truck xle 1Trail	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Hillsville		From	đ							1					
1016) Morningview Heights	0.10	150	R			U	JS 52 Maii	n St		 NA			NA		09/17/200
Morningview Heights		To					5 Ginger L								
Morning view Heights	0.15	From	·L			17-1	005 Ginge	r Lane		 NA			NA		00/17/20
Morningview Heights	0.15	<b>30</b>	T.				Dead En	d		TNA T			INA		09/17/20
		From	:				Dead En								
Lyons Circle	0.21	70	R				D cua En	<u> </u>		NA			NA		09/19/20
17)		To From	4			17-1	1000 Nich	olas St							
Lyons Circle	0.07	120 From	R							NA			NA		09/24/20
11)		То	:			U	JS 52 Maii	n St							
$\sim$		From				U	JS 52 Maii	n St							
Una Lyons Dr	0.10	80	R							NA			NA		09/24/20
		То					Dead En								
O19) Cox St	0.20	From 110	L			17-102	20 West G	rayson St		 NA			NA		09/24/20
019 Cox St	0.20	To	<u> </u>			US 5	8 West St	uart Dr					INA		09/24/20
		From	:				8 West St								
West Grayson St	1.12	460	R			053	o west bt	uart Di		NA			NA		09/24/20
West Grayson St		To	:			U	S 52; 17-1	001							
		From				U	JS 52 Maii	n St							
Wade St	0.04	80	R							NA			NA		09/19/20
"		То	:			17-	-1023 Boh	on St							
		From	<u> </u>			17-	-1022 Wa	de St		<u> </u>					
Bohon St	0.16	<b>50</b>	R			17	10101	D		NA			NA		09/19/20
		From					-1018 Lyo								
024) Dogwood Dr	0.25	60	R			1/-	-1007 Arc	na St		NA			NA		09/19/20
Dogwood Dr	0.20	То				17-102	5 Chinqua	pin Trail					1471		00/10/20
		From					-1007 Arc								
Chinquapin Trail	0.34	50	R							NA			NA		09/19/20
11)		To From	-			17-1	024 Dogw	ood Dr							
Chinquapin Trail	0.41	130	R							NA			NA		09/19/20
17)		To				17-	668 Virgii	nia St							
		From				17-10	009 Edgew	ood Dr							
Lynn St	0.05	110	R							NA			NA		09/19/20
		To				17-10	027 Wood								
Woodland Dr	0.08	From	 R				Dead En	d		 NA			NA		09/24/20
Woodland Dr	0.06	JU To				17	7-1026 Lyr	nn St					INA		09/24/20
		From	:				72 Lynnha								
Raintree Rd	0.15	70	R			17-97	12 Lymma	ven ku		NA			NA		09/17/20
Raintree Rd		To	_			17-1029	9 S, Cumb	erland Dr							
Raintree Rd	0.42	30 From	R			17-102	, Cumo	Criana Di		NA			NA		09/17/20
Raintree Rd		To				17-1029	9 N, Cumb	erland Dr							
028) Raintree Rd	0.31	380 From	R			17-1022	714, Cume	criana Di		NA			NA		09/17/20
028 Raintree Rd		То	:			US	221 Floyd	l Pike							
_		From				17-10	28 S, Rair	tree Rd							
Cumberland Dr	0.12	60	R							NA			NA		03/05/20
<u>"</u>		То				17-10	28 N, Raiı	ntree Rd	 						
		From				17-103	2 Highlan	d Park Dr							
Highland Park Dr	0.10	210	R						 	NA			NA		01/07/20
		To From	R			17-1033	B Hidden F	ines Lane		$\exists$ —			NA		
Highland Park Dr	0.07	120								NA					01/07/20

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Route	Length	AADT	QA	4Tire	Bus		Truck 3+Axle 1Tra	QC	K Factor	QK	Dir Factor	AAWDT	QW	Year
Town of Hillsville			_											
O	0.00	From	<u> </u>			17-1031 I	Highland Park Dr							04/07/000
(1032) Highland Park Dr	0.06	210 To	R			HC	52 Main St		NA			NA		01/07/2008
		From	l				52 Main St							
(1033) Hidden Pines Lane	0.18	110	R			17-103	34 Big Red Dr		 NA			NA		01/07/2008
Hidden Pines Lane	0.10	To				17-1031 F	Highland Park Dr					INA		01/01/2000
		From					52 Main St		1					
1034 Big Red Dr	0.08	120	R			65	52 Willin St		NA			NA		01/07/2008
(17)		To				17 1031 I	Highland Park Dr							
(1034) Big Red Dr	0.23	60 From	R			17-10311	riigiiailu Faik Di		NA			NA		01/07/2008
Big Red Dr	0.20	To				17 1022 T	Y: 11 D: Y							0.7017200
(1034) Big Red Dr	0.22	130 From	R			17-1033 H	Hidden Pines Lane		NA			NA		01/07/2008
1034 Big Red Dr	0.22	Te	Ë			17-78	0 Howlette St		— i''			14/1		01/01/2000
		From					Dead End							
Forest Dr	0.07	49	R				ocad End		NA			NA		09/19/2007
Forest Dr		To				17 104	2 Crestview Dr							
1041) Forest Dr	0.18	230 From	R			17-1042	2 Crestview Dr		NA			NA		01/19/2008
Forest Dr	00	To				US	52 Main St							0.7.072000
		From				17-10	)41 Forest Dr							
1042 Crestview Dr	0.12	120	R						NA			NA		09/19/2007
17)		To				17-104	43 Shady Lane							
(1042) Crestview Dr	0.04	30 From	R			17-10-	+3 Shady Lane		NA			NA		09/19/2007
17		To				Ε	Dead End							
		From				Е	Dead End							
1043 Shady Lane	0.09	40	R						NA			NA		09/19/2007
11)		To				17-1042	2 Crestview Dr							
		From				US 58	East Stuart Dr							
1046 Meridian Lane	0.07	190	R						NA			NA		09/17/2007
		То				NC:	L Hillsville							
$\bigcirc$		From			1	7-1020 W	est Grayson Street							
(1118)	0.18	NA To							NA			NA		
			<u> </u>				17-1119							
	0.00	From	<u> </u>			Е	Dead End					NIA		
(1119)	0.06	NA To					17 1110		NA			NA		
		From					17-1118							
	0.05	<b>70</b>	R			17-1	1014 Oak St		 NA			NA		09/24/2007
9748	0.03	7U To				17 1	1014 Oak St					INA		03/24/2007
						1/-1	IOIT Oak St							