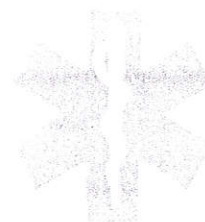




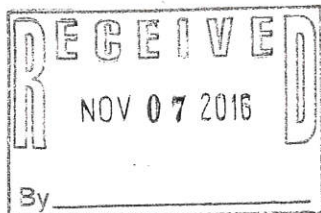
Candia Volunteer Fire Department



11 Deerfield Road
Candia, New Hampshire 03034
(603) 483-2202 (603) 483-2311 (fax)
www.CandiaVFD.org

November 14, 2016

Mr. Boyd Chivers, Chairman
Board of Selectmen
Town of Candia
74 High Street
Candia, NH 03034



LOOK
PLEASE READ

Re: Recommendation for Appointments to the Candia Volunteer Fire Department

Dear Chairman Chivers;

It is my pleasure as Chief of the Town of Candia Volunteer Fire Department to provide you with the name of an individual who I recommend for appointment to the Department. This individual has demonstrated a strong commitment to providing professional level emergency services to the Town of Candia and I offer this recommendation without reservation.

The person recommended has submitted background information attesting to their individual skill level and have agreed to attain and maintain at least a minimum level of professional certification consistent with the needs of the Department. This applicant has also provided information as to their character and background and will have undergone a criminal background investigation conducted by the Candia Police Department and the State Police.

I would request these appointments be made effective October 24, 2016.

Peter Schibbelhute
222E Raymond Road
Deerfield, NH 03037
FF

Again, I am pleased to recommend this individual for appointment. If you have any questions, please feel free to contact me at 603-703-7155 (cell).

Sincerely

Dean Young, Chief

Cc: Craig A. Cartier; file

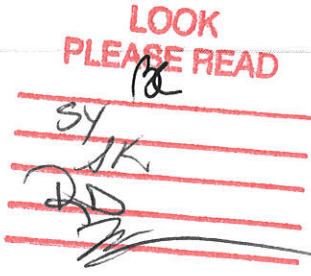
Andria Hansen

From: Mike McGillen
Sent: Monday, August 29, 2016 3:17 PM
To: Boyd Chivers
Cc: Scott Komisarek; Russ Dann; Suzie Young; Mark Laliberte; Andria Hansen
Subject: FW: NH 27 speed study
Attachments: 16_0316 Bollinger to Lambert re Candia Speed.pdf



Boyd,
Back in early spring a resident came to me and said he thought the 35 mph speed limit on High Street was too slow; cars were passing him, etc. I asked the State DOT to survey the road, which they did (see attached documentation). Now, Scott Komisarek told me that a resident came to him about the speed limit being 35mph, and how painful it was to try and drive it. I think we should have a meeting with the State. Resident input would be a major factor to. Your thoughts?, Mike

From: William Lambert [mailto:WLambert@dot.state.nh.us]
Sent: Wednesday, March 16, 2016 9:24 AM
To: Mike McGillen
Cc: Richard Radwanski
Subject: NH 27 speed study



Chief McGillen,

Attached are the results of the speed study performed on NH Route 27 near Charmingfare Farm between March 9-14, 2016.

Given the character of the road, the results are not surprising. Arguably, when the speed limit was reduced to 35 mph, the data indicates that the speed of traffic hasn't changed.

If you would like to meet with you and/or the selectmen to discuss the results and our recommendation, let me know.

Regards,
Bill

William R. Lambert, PE
Traffic Engineer/Administrator
NHDOT Bureau of Traffic
P.O. Box 483, 18 Smokey Bear Blvd.
Concord, NH 03302-0483
(603) 271-1679

STATE OF NEW HAMPSHIRE

- INTRA-DEPARTMENT COMMUNICATION -

DATE: March 16, 2016

FROM: Robert E. Bollinger, P.E., PTOE

AT (OFFICE)
Department of Transportation
Bureau of Traffic

SUBJECT: Track-It 2921
Candia – NH 27
Speed Data

TO: William R. Lambert, P.E.
Administrator, Bureau of Traffic

MEMORANDUM

Per your request, the Research group of the Bureau of Traffic has completed a speed study on NH 27 in Candia. Data were collected from March 9 to March 14, 2016. Per your instruction, data samples were taken on NH 27, east of Charmingfare Farm, in the 35 mph zone. The results of this effort are summarized below, and the raw data sheets are attached for your use and review.

Table 1 - Speed Summary Data
Candia - NH 27, east of Charmingfare Farm

Measurement	EB	WB	Combined
Observations	5,935	5,555	11,490
Average Speed	42 mph	43 mph	42 mph
50th Percentile Speed	42 mph	43 mph	42 mph
85th Percentile Speed	47 mph	48 mph	48 mph
10 mph pace	35-45 mph	40-50 mph	35-45 mph
Posted Speed Limit	35 mph	35 mph	--

In addition to collecting speed data, the speed limit on this section of NH 27 was evaluated with the USLIMITS2 web based tool, designed by the Federal Highway Administration. Based on the results of that evaluation, USLIMITS2 recommends a posted speed limit of 45 mph. Accordingly, there appears to be little justification for lowering the existing posted limit of 35 mph. In fact, based on existing operating and geometric conditions, as well as available crash history, there may be justification for raising the posted limit to 45 mph.

Should you require any additional information or clarification on this matter, please contact me directly.

Attachments

Cc: L. Baronas, Bureau of Traffic
I. Wong, Bureau of Traffic
File

USLIMITS2 Speed Zoning Report

Project Name: Candia

Analyst: REB

Date: 03-16-2016

Basic Project Information

Project Number: Track-It 2921
Route Name: NH 27
From: Baker Rd.
To: Hooksett Town Line
State: New Hampshire
County: Rockingham County
City: Rural/Other
Route Type: Road Section in Undeveloped Area
Route Status: Existing

Roadway Information

Section Length: 2.2 mile(s)
Statutory Speed Limit: 35 mph
Adverse Alignment: No
Divided/Undivided: Undivided
Number of Lanes: 2
Roadside Hazard Rating: 5
Transition Zone: No

Crash Data Information

Crash Data Years: 13.00
Crash AADT: 2300 veh/day
Total Number of Crashes: 34
Total Number of Injury Crashes: 8
Section Crash Rate: 142 per 100 MVM
Section Injury Crash Rate: 33 per 100 MVM
Crash Rate Average for Similar Roads: 165
Injury Rate Average for Similar Roads: 58

Traffic Information

85th Percentile Speed: 48 mph
50th Percentile Speed: 42 mph
AADT: 2300 veh/day

Project Description: Speed limit evaluation of 35 mph zone, east of Hooksett Town Line.

Recommended Speed Limit:



Note: The final recommended speed limit is higher than the statutory speed limit of **35 mph** for this type of road. An engineering study such as the one carried out with USLIMITS is usually required to set a speed limit above the statutory limit.

Special Speed Study Report: 2921

Station ID : 2921

Info Line 1 : CANDIA-NH 27
 Info Line 2 : near Charmingfare Farm

GPS Lat/Lon :
 DB File : 2921.DB

Last Connected Device Type : Unic-L
 Version Number : 1.30
 Serial Number : 85486

Number of Lanes : 2
 Posted Speed Limit : 35.0 mph

Lane Configuration

#	Dir.	Information	Vehicle Sensors	Sensor Spacing	Loop Length	Comment
1.	EB		Ax-Ax	5.5 ft	6.0 ft	
3.	WB		Ax-Ax	5.5 ft	6.0 ft	

Special Speed Study Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	Lane	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
			0-9	20-24.9	25-29.9	30-34.9	35-39.9	40-44.9	45-49.9	50-54.9	55-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	Other	
3/9/2016	10:00	1	0	0	0	3	14	23	19	1	0	0	0	0	0	0	0	0	60
Wed		3	1	0	0	3	16	25	13	5	3	0	0	0	0	0	0	0	66
	11:00	1	0	0	1	1	13	39	12	3	0	0	0	0	0	0	0	0	69
		3	0	0	0	0	14	33	13	5	0	0	0	0	0	0	0	0	65
	12:00	1	0	0	0	4	21	27	16	7	0	0	0	0	0	0	0	0	75
		3	0	0	0	1	16	23	10	1	0	0	0	0	0	0	0	0	51
	13:00	1	0	0	1	4	19	31	12	4	0	0	0	0	0	0	0	0	71
		3	3	0	1	3	13	24	21	2	0	0	0	0	0	0	0	0	67
	14:00	1	0	0	0	2	24	53	22	3	0	0	0	0	0	0	0	0	104
		3	0	0	0	3	17	33	19	4	0	0	0	0	0	0	0	0	76
	15:00	1	0	0	0	3	21	66	26	2	0	0	0	0	0	0	0	0	118
		3	0	0	0	2	17	60	15	4	0	0	1	0	0	0	0	0	99
	16:00	1	0	1	0	3	37	98	30	2	0	0	0	0	0	0	0	0	171
		3	0	0	0	2	29	45	22	3	0	0	0	0	0	1	0	0	102
	17:00	1	1	0	0	0	23	92	19	0	0	0	0	0	0	0	0	0	135
		3	0	0	0	2	11	49	26	5	0	0	0	0	0	0	0	0	93
	18:00	1	0	0	0	6	30	52	9	2	0	0	0	0	0	0	0	0	99
		3	0	0	0	2	18	28	11	1	0	1	0	0	0	0	0	0	61
	19:00	1	0	0	0	3	20	41	15	0	0	0	0	0	0	0	0	0	79
		3	0	0	0	0	9	18	7	1	3	0	0	0	0	0	0	0	38
	20:00	1	0	0	0	0	18	29	4	1	1	0	0	0	0	0	0	0	53
		3	0	0	0	3	14	5	8	1	0	0	0	0	0	0	0	0	31
	21:00	1	0	0	0	1	7	14	9	0	0	0	0	0	0	0	0	0	31
		3	0	0	0	1	2	5	4	0	0	1	0	0	0	0	0	0	13
	22:00	1	0	0	0	0	1	10	5	1	0	0	0	0	0	0	0	0	17
		3	0	0	0	0	1	3	3	1	0	0	0	0	0	0	0	0	8
	23:00	1	0	0	0	0	3	6	1	0	1	0	0	0	0	0	0	0	11
		3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	#1 0-19	#2 20-24.9	#3 25-29.9	#4 30-34.9	#5 35-39.9	#6 40-44.9	#7 45-49.9	#8 50-54.9	#9 55-59.9	#10 60-64.9	#11 65-69.9	#12 70-74.9	#13 75-79.9	#14 80-84.9	#15 85-89.9	#16 Other	Total
Daily Total :		5	1	3	52	428	933	371	59	8	2	1	0	0	1	0	0	1864
Percent :		0%	0%	0%	3%	23%	50%	20%	3%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :		0%	0%	0%	3%	26%	76%	96%	99%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :		0	0	0	4	31	67	27	4	1	0	0	0	0	0	0	0	134

Average Speed : 42.3 mph	50% Speed : 42.4 mph	85% Speed : 47.2 mph
		10mph Pace: 35.0 - 44.9 (73.0%)

3/10/2016 00:00	1.0	0	0	0	2	3	2	1	0	0	0	0	0	0	0	0	0	8
Thu	3.0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
01:00	1.0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	3.0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
02:00	1.0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
	3.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	1.0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3.0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	5
04:00	1.0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
	3.0	0	0	1	5	6	2	2	0	0	0	0	0	0	0	0	0	16
05:00	1.0	0	0	0	3	4	0	1	0	0	0	0	0	0	0	0	0	8
	3.0	0	0	0	6	15	0	1	1	0	0	0	0	0	0	0	0	23
06:00	1.0	0	0	1	9	9	5	1	0	0	0	0	0	0	0	0	0	25
	3.0	0	0	2	21	42	21	6	0	0	0	0	0	0	0	0	0	92
07:00	1.0	0	0	1	14	22	5	2	0	0	0	0	0	0	0	0	0	44
	3.0	0	0	6	29	61	41	5	1	0	0	0	0	0	0	0	0	143
08:00	1.0	0	0	2	11	24	15	0	0	0	0	0	0	0	0	0	0	52
	3.1	0	0	4	16	44	32	10	1	0	0	0	0	0	0	0	0	108
09:00	1.0	0	0	0	17	18	11	1	0	0	0	0	0	0	0	0	0	47
	3.0	0	0	0	8	26	14	2	0	0	0	0	0	0	0	0	0	50
10:00	1.0	0	1	4	8	13	8	3	0	0	0	0	0	0	0	0	0	37
	3.0	0	0	1	18	26	9	3	0	0	0	0	0	0	0	0	0	57
11:00	1.1	0	0	3	11	24	14	3	0	0	0	0	0	0	0	0	0	56
	3.0	0	0	0	10	34	18	5	0	0	0	0	0	0	0	0	0	67
12:00	1.0	0	0	3	28	30	16	2	0	0	0	0	0	0	0	0	0	79
	3.0	0	0	2	15	25	12	2	1	0	0	0	0	0	0	0	0	57
13:00	1.0	0	0	2	27	32	18	1	0	0	0	0	0	0	0	0	0	80
	3.0	0	0	6	22	20	13	0	0	0	0	0	0	0	0	0	0	61
14:00	1.0	0	0	1	18	39	18	4	0	1	0	0	0	0	0	0	0	81
	3.0	0	0	1	12	22	16	5	0	0	0	0	0	0	0	0	0	56
15:00	1.0	0	1	4	27	52	30	2	1	0	0	0	0	0	0	0	0	117
	3.0	0	1	2	16	31	12	4	1	0	0	0	0	0	0	0	0	67
16:00	1.0	0	0	4	32	54	24	2	0	0	0	0	0	0	0	0	0	116
	3.0	0	0	1	18	28	18	2	0	0	0	0	0	0	0	0	0	67
17:00	1.0	0	0	2	48	69	19	0	0	0	0	0	0	0	0	0	0	138
	3.0	0	0	4	18	35	11	1	0	0	0	1	0	0	0	0	0	70
18:00	1.0	0	0	10	25	20	4	0	0	0	0	0	0	0	0	0	0	59
	3.0	0	0	2	13	20	9	0	0	0	0	0	0	0	0	0	0	44
19:00	1.0	0	1	4	31	20	6	0	0	0	0	0	0	0	0	0	0	62
	3.0	0	0	3	9	13	4	2	0	0	0	0	0	0	0	0	0	31
20:00	1.0	0	0	5	17	12	5	1	0	0	0	0	0	0	0	0	0	40

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
		0-19.9	20-24.9	25-29.9	30-34.9	35-39.9	40-44.9	45-49.9	50-54.9	55-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	Other	
3/10/2016	20:00	3	0	0	2	6	6	2	1	0	0	0	0	0	0	0	0	17
Thu	21:00	1	0	0	3	16	12	1	0	0	0	0	0	0	0	0	0	32
		3	0	0	1	5	5	4	0	0	0	0	0	0	0	0	0	15
	22:00	1	0	0	0	13	15	2	1	0	0	0	0	0	0	0	0	31
		3	0	0	0	3	2	2	1	0	0	0	0	0	0	0	0	8
	23:00	1	0	0	0	5	2	0	0	0	0	0	0	0	0	0	0	7
		3	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
Daily Total :		2	0	4	90	617	943	446	77	6	1	0	1	0	0	0	0	2187
Percent :		0%	0%	0%	4%	28%	43%	20%	4%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :		0%	0%	0%	4%	33%	76%	96%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :		0	0	0	4	26	39	19	3	0	0	0	0	0	0	0	0	91

Average Speed : 42.0 mph	50% Speed : 42.0 mph	85% Speed : 47.3 mph
		10mph Pace: 35.0 - 44.9 (71.3%)

3/11/2016	00:00	1	0	0	0	2	5	1	0	0	0	0	0	0	0	0	0	8
Fri		3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
	01:00	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
02:00		1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2
03:00		1	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	5
04:00		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	0	0	0	5	6	1	0	0	0	0	0	0	0	0	0	12
05:00		1	0	0	1	2	4	0	0	0	0	0	0	0	0	0	0	7
		3	0	0	0	6	13	4	0	0	0	0	0	0	0	0	0	23
06:00		1	0	0	1	8	9	1	1	0	0	0	0	0	0	0	0	20
		3	0	0	5	24	41	16	3	0	0	0	0	0	0	0	0	89
07:00		1	0	0	1	16	29	14	0	0	0	0	0	0	0	0	0	60
		3	0	0	4	25	60	34	9	1	0	0	0	0	0	0	0	133
08:00		1	0	6	0	7	14	10	2	0	0	0	0	0	0	0	0	39
		3	0	0	5	22	46	20	3	0	0	0	0	0	0	0	0	96
09:00		1	0	0	0	14	25	13	2	0	0	0	0	0	0	0	0	54
		3	0	0	1	13	30	24	4	1	0	0	0	0	0	0	0	73
10:00		1	0	0	0	14	22	12	3	0	0	0	0	0	0	0	0	51
		3	0	0	1	14	32	22	6	4	0	0	0	0	0	0	0	79
11:00		1	0	0	0	15	29	15	1	0	0	0	0	0	0	0	0	60
		3	1	0	1	11	22	11	3	1	0	0	0	0	0	0	0	50
12:00		1	0	2	3	23	37	14	3	0	0	0	0	0	0	0	0	82
		3	0	0	5	13	19	14	3	0	0	0	0	0	0	0	0	54
13:00		1	0	0	2	16	50	23	0	0	0	0	0	0	0	0	0	91
		3	0	0	3	19	25	12	5	0	0	0	0	0	0	0	0	64
14:00		1	0	0	1	30	49	29	3	0	0	0	0	0	0	0	0	112
		3	0	0	1	6	19	22	6	0	0	0	0	0	0	0	0	54
15:00		1	0	0	2	24	56	18	2	0	0	0	0	0	0	0	0	102
		3	0	0	2	17	37	15	10	1	1	0	0	0	0	0	0	83
16:00		1	0	0	4	23	76	31	1	0	0	0	0	0	0	0	0	135
		3	0	0	1	18	40	25	8	0	0	0	0	0	0	0	0	92

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
		0-19.9	20-24.9	25-29.9	30-34.9	35-39.9	40-44.9	45-49.9	50-54.9	55-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	Other	
3/11/2016	17:00	1	0	0	1	34	68	33	2	0	0	0	0	0	0	0	0	138
Fri		3	0	0	2	20	27	22	9	0	0	0	0	0	0	0	1	81
	18:00	1	0	0	2	33	50	10	4	0	0	0	0	0	0	0	0	99
		3	0	0	1	14	28	14	2	0	0	0	0	0	0	0	0	59
	19:00	1	0	0	6	15	31	7	4	0	0	0	0	0	0	0	0	63
		3	0	0	2	9	18	5	2	1	0	0	0	0	0	0	0	37
	20:00	1	0	0	1	16	24	9	1	0	0	0	0	0	0	0	0	51
		3	0	0	1	7	9	2	3	0	0	0	0	0	0	0	0	22
	21:00	1	0	0	0	14	20	4	2	0	0	0	0	0	0	0	0	40
		3	0	0	0	8	7	1	5	0	0	0	0	0	0	0	0	21
	22:00	1	0	0	2	5	3	8	0	0	0	0	0	0	0	0	0	18
		3	0	0	0	3	7	0	3	1	0	0	0	0	0	0	0	14
	23:00	1	0	0	1	6	5	4	2	0	0	0	0	0	0	0	0	18
		3	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	6
Daily Total :		1	0	9	65	583	1097	521	117	10	1	0	0	0	0	0	1	2405
Percent :		0%	0%	0%	3%	24%	46%	22%	5%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :		0%	0%	0%	3%	27%	73%	95%	100%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :		0	0	0	3	24	46	22	5	0	0	0	0	0	0	0	0	100

Average Speed : 42.5 mph	50% Speed : 42.5 mph	85% Speed : 47.8 mph
		10mph Pace: 35.0 - 44.9 (69.9%)

3/12/2016	00:00	1	0	0	0	1	8	6	0	0	0	0	0	0	0	0	0	15
Sat		3	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	5
	01:00	1	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	4
		3	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	4
	02:00	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1
		3	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	3
	03:00	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
	04:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
		3	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	2
	05:00	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	3
		3	0	0	0	1	5	3	1	0	0	0	0	0	0	0	0	10
	06:00	1	0	0	0	1	3	1	1	1	0	0	0	0	0	0	0	7
		3	0	0	0	0	6	3	2	0	0	0	0	0	0	0	0	11
	07:00	1	0	0	0	5	13	5	0	0	0	0	0	0	0	0	0	23
		3	0	0	1	6	17	8	5	0	0	0	0	0	0	0	0	37
	08:00	1	0	0	0	9	17	10	3	0	0	0	0	0	0	0	0	39
		3	0	1	1	19	31	14	0	1	1	0	0	0	0	0	0	68
	09:00	1	0	1	2	19	42	14	3	0	0	0	0	0	1	0	0	82
		3	0	0	0	23	44	16	3	1	0	0	0	0	0	0	0	87
	10:00	1	2	0	0	4	37	45	13	3	0	0	0	0	0	0	0	104
		3	1	0	2	24	30	16	3	0	0	0	0	0	0	0	0	77
	11:00	1	0	2	1	23	62	16	3	0	0	0	0	0	0	0	1	108
		3	1	0	4	20	36	27	8	1	0	0	0	0	0	0	0	98
	12:00	1	0	0	5	35	47	27	2	0	0	0	0	0	0	0	0	116
		3	0	0	14	32	49	28	8	0	0	0	0	0	0	0	0	131
	13:00	1	0	1	7	18	69	29	3	0	0	0	0	0	0	0	0	127

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
		0-19.9	20-24.9	25-29.9	30-34.9	35-39.9	40-44.9	45-49.9	50-54.9	55-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	Other	
3/12/2016	13:00	3	1	5	10	28	42	20	2	1	0	0	0	0	0	0	0	110
Sat	14:00	1	0	0	0	25	51	20	2	0	0	0	0	0	0	0	0	98
		3	0	1	7	20	49	22	7	1	0	0	0	0	0	0	0	107
	15:00	1	2	0	2	22	59	24	3	0	0	0	0	0	0	0	0	112
		3	0	0	1	8	11	43	23	5	1	0	0	0	0	0	0	92
	16:00	1	0	0	6	30	49	33	0	0	0	0	0	0	0	0	0	118
		3	0	1	2	10	12	40	19	2	0	0	0	0	0	0	0	86
	17:00	1	0	0	3	24	42	18	1	0	0	1	0	0	0	0	0	89
		3	0	0	3	14	35	21	2	2	0	0	0	0	0	0	0	77
	18:00	1	0	0	3	23	33	9	1	0	0	0	0	0	0	0	0	69
		3	0	0	13	22	22	10	0	0	0	0	0	0	0	0	0	67
	19:00	1	0	0	1	17	22	5	1	0	0	0	0	0	0	0	0	46
		3	0	0	2	6	13	13	7	0	0	0	0	0	0	0	0	41
	20:00	1	0	0	0	15	9	5	1	0	0	0	0	0	0	0	0	30
		3	0	0	2	9	12	7	4	0	0	0	0	0	0	0	0	34
	21:00	1	0	0	1	18	13	1	0	0	0	0	0	0	0	0	0	33
		3	0	0	1	4	10	3	1	0	0	0	0	0	0	0	0	19
	22:00	1	0	0	0	7	15	8	0	0	0	0	0	0	0	0	0	30
		3	0	0	2	1	3	6	2	1	0	0	0	0	0	0	0	15
	23:00	1	0	0	0	5	11	4	3	0	0	1	0	0	0	0	0	24
		3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	3
Daily Total :		7	4	16	120	600	1107	510	87	11	1	2	0	0	1	0	1	2467
Percent :		0%	0%	1%	5%	24%	45%	21%	4%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :		0%	0%	1%	6%	30%	75%	96%	99%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :		0	0	1	5	25	46	21	4	0	0	0	0	0	0	0	0	102

Average Speed : 42.0 mph	50% Speed : 42.2 mph	85% Speed : 47.4 mph
10mph Pace: 35.0 - 44.9 (69.2%)		

3/13/2016	00:00	1	0	0	1	9	8	1	1	0	0	0	0	0	0	0	0	20
Sun		3	0	0	0	2	3	0	0	0	0	0	0	0	0	0	0	5
	01:00	1	0	0	1	4	1	0	1	0	0	0	0	0	0	0	0	7
		3	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	3
	02:00	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	03:00	1	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	3
		3	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
	04:00	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
		3	0	0	0	2	1	2	0	0	0	0	0	0	0	0	0	5
	05:00	1	0	0	0	4	2	2	1	0	0	0	0	0	0	0	0	9
		3	0	0	2	0	5	3	1	0	0	0	0	0	0	0	0	11
	06:00	1	0	0	0	3	4	8	1	0	0	0	0	0	0	0	0	16
		3	0	0	1	5	8	1	3	0	0	0	0	0	0	0	0	18
	07:00	1	0	0	1	7	11	7	1	0	0	0	0	0	0	0	0	27
		3	0	0	1	6	12	9	7	0	0	0	0	0	0	0	0	35
	08:00	1	0	0	0	12	34	16	4	0	0	0	0	0	0	0	0	66
		3	0	0	3	9	21	16	6	0	0	0	0	0	0	0	0	55
	09:00	1	1	0	3	15	22	10	2	0	0	0	0	0	0	0	0	53
		3	0	0	3	12	26	27	2	1	0	0	0	0	0	0	0	71

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

Date	Time	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
		0-19.9	20-24.9	25-29.9	30-34.9	35-39.9	40-44.9	45-49.9	50-54.9	55-59.9	60-64.9	65-69.9	70-74.9	75-79.9	80-84.9	85-89.9	Other	
3/13/2016	10:00	1	0	0	1	16	45	24	4	0	0	0	0	0	0	0	0	90
Sun		3	0	0	2	17	35	21	4	1	0	0	0	0	0	0	0	80
	11:00	1	0	1	2	24	53	13	0	0	0	0	0	0	0	0	0	94
		3	1	0	9	15	42	27	1	0	1	0	0	0	0	0	0	97
	12:00	1	0	1	3	26	62	20	2	0	0	0	0	0	0	0	0	114
		3	0	0	7	34	43	18	1	0	0	0	0	0	0	1	0	105
	13:00	1	1	0	0	21	54	21	3	0	0	0	0	0	0	0	0	100
		3	1	0	7	28	35	20	4	1	0	0	0	0	0	0	0	96
	14:00	1	1	0	1	17	41	20	3	0	0	0	0	0	0	0	0	83
		3	2	0	5	12	28	39	18	3	1	0	0	0	0	0	1	109
	15:00	1	0	1	2	19	65	16	1	0	0	0	0	0	0	0	0	105
		3	0	0	1	8	31	27	3	2	0	0	0	0	0	0	0	73
	16:00	1	0	0	1	16	34	14	5	0	1	0	0	0	0	0	0	71
		3	0	0	4	11	29	18	1	0	0	0	0	0	0	0	0	63
	17:00	1	0	0	2	15	26	13	0	1	0	0	0	0	0	0	0	57
		3	0	0	1	17	18	9	1	1	0	0	0	0	0	0	0	47
	18:00	1	0	1	1	8	25	7	3	0	0	0	0	0	0	0	0	45
		3	0	0	3	6	11	8	1	0	0	0	0	0	0	0	0	29
	19:00	1	0	0	1	12	8	2	2	0	0	0	0	0	0	0	0	25
		3	0	0	0	7	16	4	3	0	1	0	0	0	0	0	0	31
	20:00	1	0	0	1	5	8	4	0	0	0	0	0	0	0	0	0	18
		3	0	0	0	1	4	3	2	0	0	0	0	0	0	0	0	10
	21:00	1	0	0	1	2	6	7	2	0	0	0	0	0	0	0	0	18
		3	0	0	0	1	4	2	1	1	0	0	0	0	0	0	0	9
	22:00	1	0	0	1	2	0	1	0	0	0	0	0	0	0	0	0	4
		3	0	0	0	2	0	2	0	0	0	0	0	0	0	0	0	4
	23:00	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
		3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily Total :		6	4	11	80	450	895	443	81	9	3	0	1	0	0	1	1	1985
Percent :		0%	0%	1%	4%	23%	45%	22%	4%	0%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :		0%	1%	1%	5%	28%	73%	95%	99%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :		0	0	0	3	19	37	18	3	0	0	0	0	0	0	0	0	80

Average Speed : 42.3 mph	50% Speed : 42.4 mph	85% Speed : 47.7 mph
		10mph Pace: 35.8 - 45.7 (67.8%)

3/14/2016	00:00	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Mon		3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
	01:00	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0	4
	02:00	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	1	0	2	0	0	0	0	0	0	0	0	0	3
	03:00	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	2
		3	0	0	0	4	3	3	0	1	0	0	0	0	0	0	0	11
	04:00	1	0	0	1	3	3	1	1	0	0	0	0	0	0	0	0	9
		3	0	0	2	4	7	5	1	0	0	0	0	0	0	0	0	19
	05:00	1	0	0	1	6	8	4	0	0	0	0	0	0	0	0	0	19
		3	0	0	8	29	33	20	4	1	0	0	0	0	0	0	0	95
	06:00	1	0	0	0	12	25	12	1	0	0	0	0	0	0	0	0	50

Station: 2921

Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016

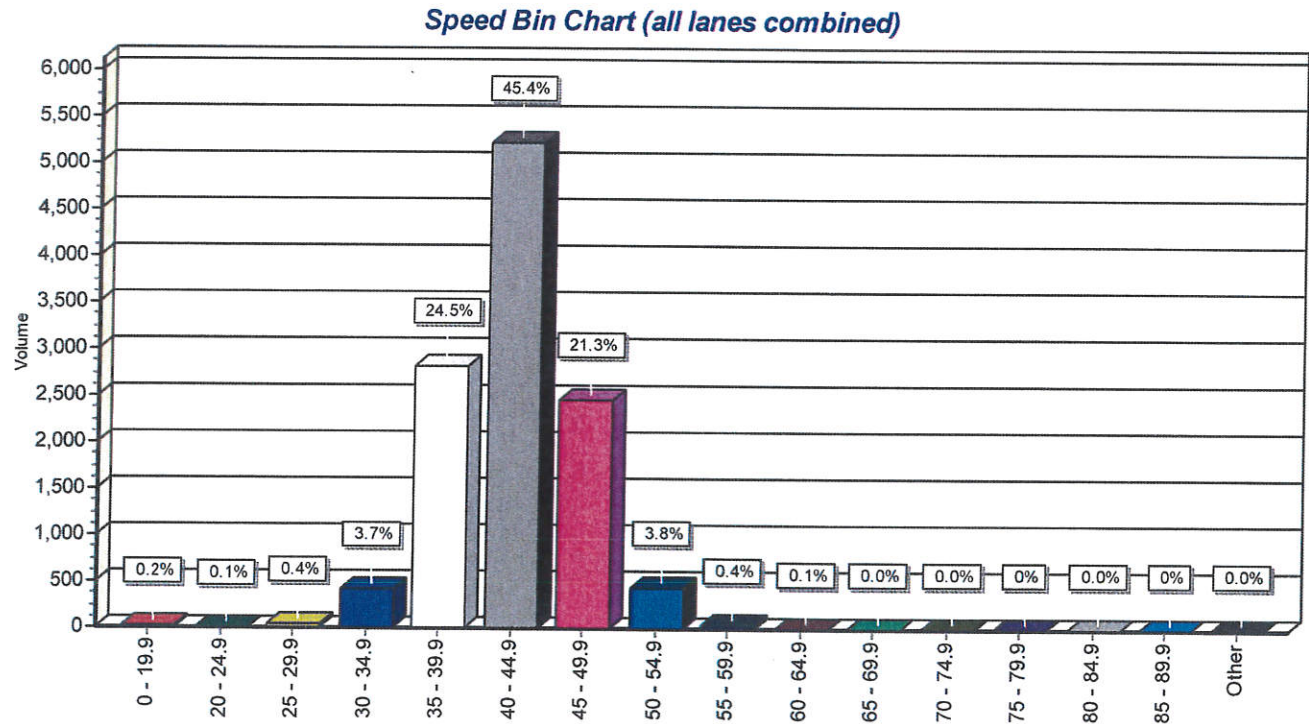
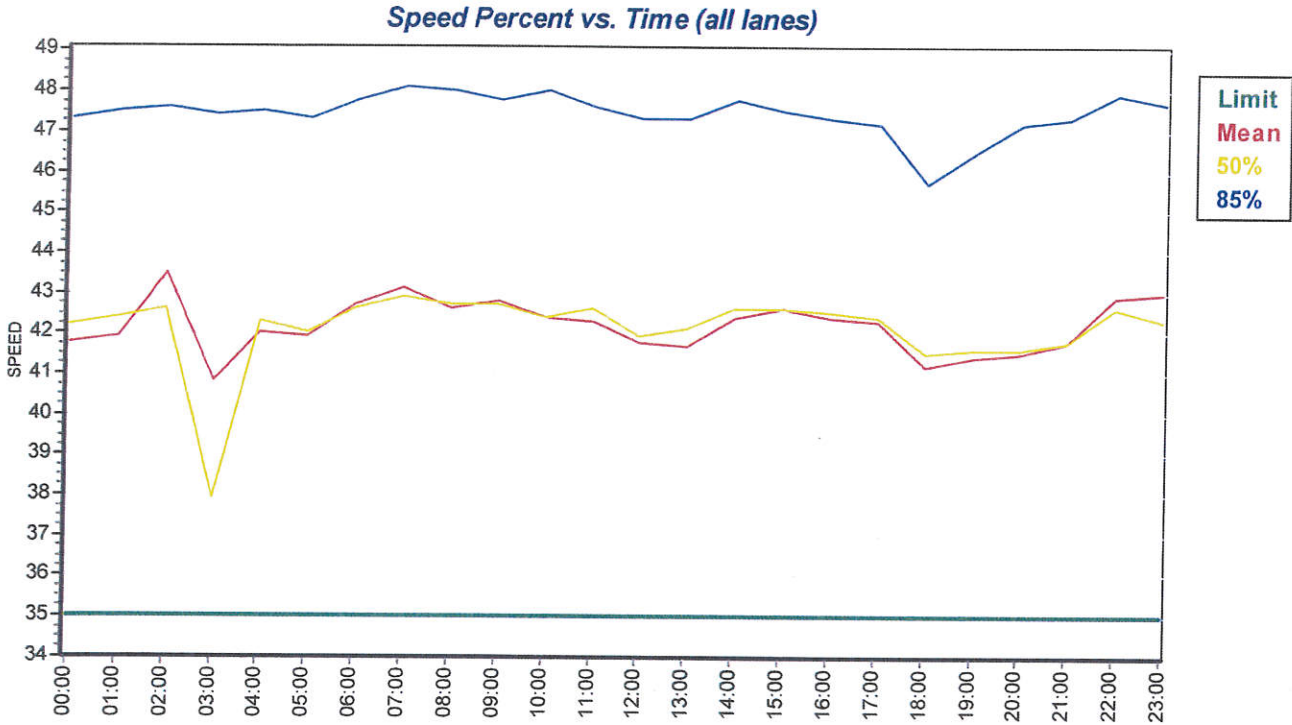
Date	Time	Lane	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Total
			0 - 19.9	20 - 24.9	25 - 29.9	30 - 34.9	35 - 39.9	40 - 44.9	45 - 49.9	50 - 54.9	55 - 59.9	60 - 64.9	65 - 69.9	70 - 74.9	75 - 79.9	80 - 84.9	85 - 89.9	Other	
3/14/2016	06:00		3	0	0	1	28	60	38	6	0	0	0	0	0	0	0	0	133
Mon	07:00		1	0	0	0	4	16	12	2	0	0	0	0	0	0	0	0	34
			3	0	1	1	18	43	37	1	1	0	0	0	0	0	0	0	102
	08:00		1	0	0	3	8	18	7	0	0	0	0	0	0	0	0	0	36
			3	0	0	2	18	22	14	2	0	0	0	0	0	0	0	0	58
Daily Total :			0	0	1	20	139	242	159	18	3	0	0	0	0	0	0	0	582
Percent :			0%	0%	0%	3%	24%	42%	27%	3%	1%	0%	0%	0%	0%	0%	0%	0%	
Cum. Percent :			0%	0%	0%	4%	27%	69%	96%	99%	100%	100%	100%	100%	100%	100%	100%	100%	
Average :			0	0	0	2	15	27	18	2	0	0	0	0	0	0	0	0	64

Average Speed : 42.6 mph	50% Speed : 42.7 mph	85% Speed : 47.9 mph
		10mph Pace: 40.0 - 49.9 (68.9%)

Special Speed Study Summary: 2921

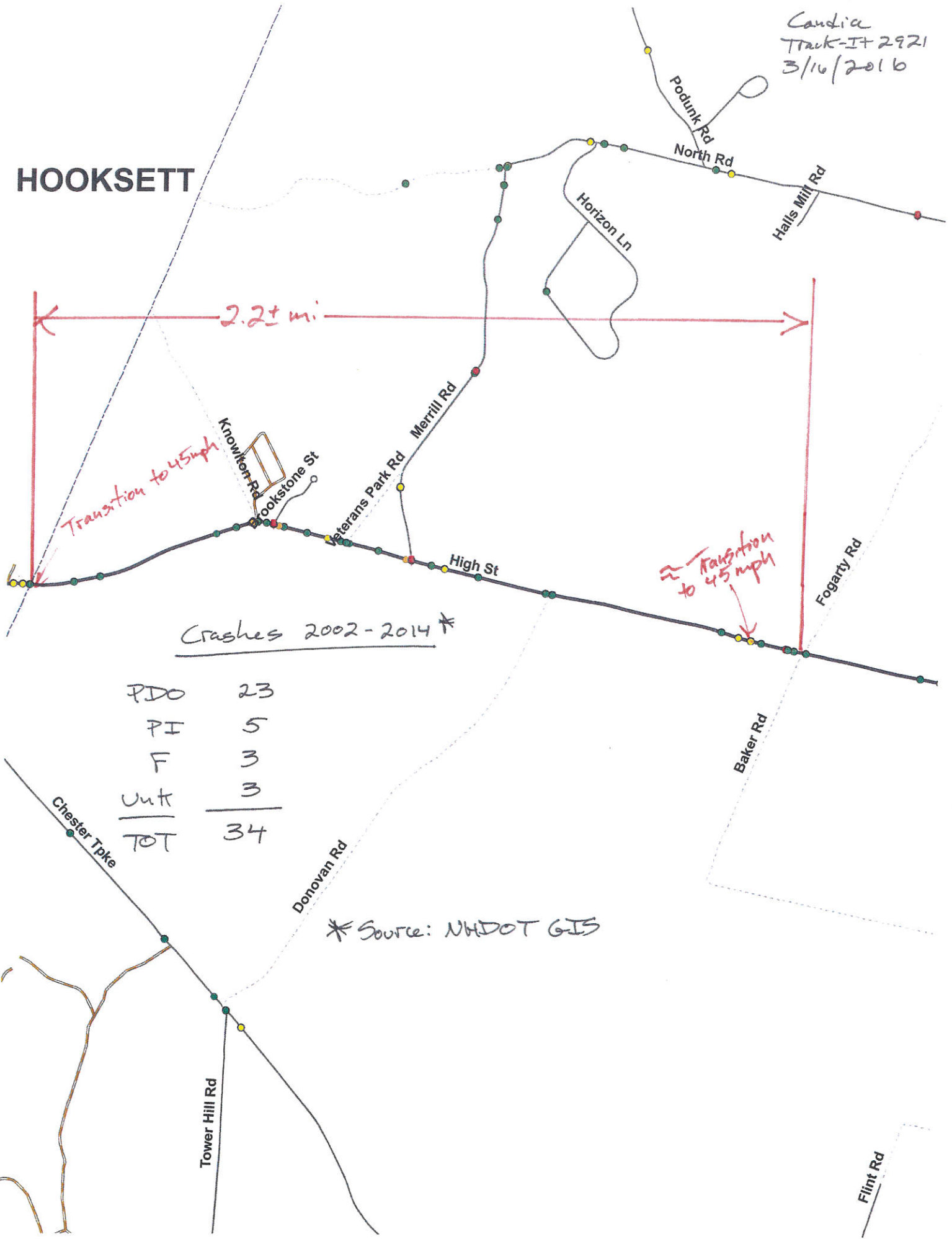
Description	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	Other	Total
Label	0 - 24.9	20 - 24.9	25 - 29.9	30 - 34.9	35 - 39.9	40 - 44.9	45 - 49.9	50 - 54.9	55 - 59.9	60 - 64.9	65 - 69.9	70 - 74.9	75 - 79.9	80 - 84.9	85 - 89.9			
Grand Total : #1	8	5	20	175	1546	2863	1152	154	5	2	2	1	0	1	0	1		5935
Percent :	0%	0%	0%	3%	26%	48%	19%	3%	0%	0%	0%	0%	0%	0%	0%	0%		
Cum. Percent :	0%	0%	1%	4%	30%	78%	97%	100%	100%	100%	100%	100%	100%	100%	100%	100%		
Average :	0	0	0	1	13	24	10	1	0	0	0	0	0	0	0	0		49
ADT = 1196	Average Speed : 42.0 mph			50% Speed : 42.1 mph				85% Speed : 46.9 mph						10mph Pace: 35.0 - 44.9 (74.3%)				
Grand Total : #3	13	4	24	252	1271	2354	1298	285	42	6	1	1	0	1	1	2		5555
Percent :	0%	0%	0%	5%	23%	42%	23%	5%	1%	0%	0%	0%	0%	0%	0%	0%		
Cum. Percent :	0%	0%	1%	5%	28%	71%	94%	99%	100%	100%	100%	100%	100%	100%	100%	100%		
Average :	0	0	0	2	11	20	11	2	0	0	0	0	0	0	0	0		46
ADT = 1120	Average Speed : 42.5 mph			50% Speed : 42.6 mph				85% Speed : 48.1 mph						10mph Pace: 40.0 - 49.9 (65.7%)				
Comb. Total :	21	9	44	427	2817	5217	2450	439	47	8	3	2	0	2	1	3		11490
Percent :	0%	0%	0%	4%	25%	45%	21%	4%	0%	0%	0%	0%	0%	0%	0%	0%		
Cum. Percent :	0%	0%	1%	4%	29%	74%	96%	99%	100%	100%	100%	100%	100%	100%	100%	100%		
Average :	0	0	0	4	24	44	21	4	0	0	0	0	0	0	0	0		97
ADT = 2317	Average Speed : 42.3 mph			50% Speed : 42.3 mph				85% Speed : 47.5 mph						10mph Pace: 35.0 - 44.9 (69.9%)				

2921 Charts For Data From: 10:00 - 03/09/2016 To: 09:59 - 03/14/2016



Candia
Track-IT 2921
3/16/2016

HOOKSETT



Crashes 2002-2014 *

PDO	23
PI	5
F	3
Untk	3
<hr/>	<hr/>
TOT	34

* Source: NHDOT GIS

Andria Hansen

From: Mark Laliberte [mark.laliberte@gmail.com]
Sent: Saturday, October 15, 2016 9:25 AM
To: Boyd Chivers
Cc: Andria Hansen
Subject: Fwd: Candia LED Street Lighting Conversion
Attachments: CandiaMuniLedgerSep2016.xlsx

Here is some more information from Eversource. The second tab on the Excel spreadsheet is our inventory of town-owned lighting, and page 3 is an example of potential cost savings we could see. Remember, this does not include the cost of installing the lights, which we would need to outsource. However, as you will see below, using back-of-envelope calculations, they think the payback time around 2.27 years (the pix below is part of the third Excel tab).

Boyd, is it OK if I reach out to Eversource to see if I can have someone from there speak to our board on Nov. 14?

Thanks,
Mark

----- Forwarded message -----

From: <craig.trottier@eversource.com>
Date: Wed, Oct 12, 2016 at 4:05 PM
Subject: Candia LED Street Lighting Conversion
To: mlaliberte@candianh.org
Cc: maria.letourneau@eversource.com

Mark:

As discussed, attached is a copy of Candia's "Street Lighting Ledger".

Also included is an **example** of a possible cost and benefit of a HPS to LED conversion.

The project cost and HPS equivalents are WAG's on my part but consistent with similar projects we have seen around the State.

Actual project economics will vary pending actual project costs and fixtures selected.

Eversource
Candia Rate EOL Street Lighting LED conversion Example
10/12/16

Materials	\$0
Labor	\$0
Total	\$10,800
Rebate	\$3,600
Net Cost	\$7,200
Annual Savings	\$3,165
Pay Back	2.27

300 Assume \$300 Per Fixture Installed

	Delivery	Energy	Total Bill	kWh	Installed kw
CURRENT RATE EOL	\$4,383	\$1,768	\$6,151	16,147	4
With LED Conversion - EXAMPLE ONLY	\$2,336	\$650	\$2,986	5,935	1
Savings	\$2,047	\$1,118	\$3,165	10,212	2
	% Savings 51%				

Attachment from Candia Selectmen's Meeting on 11/14/2016

Light Type	HID Lumens	Watts	Number of Fixtures	Total Fixture Watts	Annual kWh Per Fixture	Total kWh	Installed kW	Monthly Distribution Rate Per Fixture	Eversource Delivery Service	Energy Service	Total Bill	NUMBER OF FIXTURES	RATE
High Pressure Sodium	4,000	50	23	57	252	5,796	1	\$ 8.56	\$2,485	\$635	\$3,119	23	82
	5,800	70	1	86	376	376	0	\$ 8.56	\$111	\$41	\$152	1	82
	9,500	100	7	125	550	3,850	1	\$ 10.52	\$965	\$422	\$1,386	7	82
	16,000	150	1	187	821	821	0	\$ 11.57	\$156	\$90	\$246	1	82
	30,000	250	4	302	1,326	5,304	1	\$ 11.57	\$667	\$581	\$1,248	4	82
	50,000	400	-	462	2,026	-	-	\$ 11.94	\$0	\$0	\$0	-	82
	130,000	1,000	-	1,087	4,765	-	-	\$ 22.67	\$0	\$0	\$0	-	82
Metal Halide	5,000	70	-	88	386	-	-	\$ 8.89	\$0	\$0	\$0	-	82
	8,000	100	-	120	527	-	-	\$ 11.75	\$0	\$0	\$0	-	82
	13,000	150	-	188	825	-	-	\$ 12.54	\$0	\$0	\$0	-	82
	13,500	175	-	204	896	-	-	\$ 13.21	\$0	\$0	\$0	-	82
	20,000	250	-	285	1,251	-	-	\$ 13.43	\$0	\$0	\$0	-	82
	36,000	400	-	446	1,956	-	-	\$ 13.81	\$0	\$0	\$0	-	82
	100,000	1,000	-	1,070	4,692	-	-	\$ 24.60	\$0	\$0	\$0	-	82
			36			16,147	4		\$4,383	\$1,768	\$6,151		

Light Type	LED Wattage	Number of Fixtures	Annual kWh Per Fixture	Annual kWh	Installed kW	Monthly Distribution Rate Per Fixture	Eversource Delivery Service	Energy Service	Total Bill	NUMBER OF FIXTURES	RATE	Rebate Summary	
												Total Rebate	Installed kW
High Pressure Sodium	24	24	104	2,503	1	\$4.68	\$1,348	\$274	\$1,622	100	\$2,400	100	0.6
	40	7	174	1,217	0	\$5.51	\$463	\$133	\$596	100	\$700	100	0.3
	50	1	217	217	0	\$6.04	\$72	\$24	\$96	100	\$100	100	0.1
	115	4	500	1,999	0	\$9.42	\$452	\$219	\$671	100	\$400	100	0.5
	-	-	-	-	-	\$0.00	\$0	\$0	\$0	100	\$0	100	0.0
	-	-	-	-	-	\$0.00	\$0	\$0	\$0	100	\$0	100	0.0
	-	-	-	-	-	\$0.00	\$0	\$0	\$0	100	\$0	100	0.0
		36		5,935	1	\$0.00	\$2,336	\$650	\$2,986	Total Rebate	\$3,600	Total Rebate	1
									\$2,986	Cap	\$50,000		

Eversource
 Candia Rate EOL Street Lighting LED conversion Example
 10/12/16

	Delivery	Energy	Total Bill	kWh	Installed kw
CURRENT RATE EOL	\$4,383	\$1,768	\$6,151	16,147	4
With LED Conversion - EXAMPLE ONLY	<u>\$2,336</u>	<u>\$650</u>	<u>\$2,986</u>	<u>5,935</u>	<u>1</u>
Savings	<u>\$2,047</u>	<u>\$1,118</u>	<u>\$3,165</u>	<u>10,212</u>	<u>2</u>
	% Savings		51%		

Craig

Craig M. Trottier, CEM
 Senior Account Executive
 Eversource
 13 Legends Drive
 Hooksett, NH 03106
 Phone - (603) 634-3191

24 Hour Emergency - 1-800-468-0034

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Town	AccountNumber	CustomerName	Street	LampSizeCd	LampDescription	Lumens	Watts	InstallDate	Pole	ServicePlanAnd	Equipment	UnitCount
CANDIA	56-135211084	CANDIA	SOUTH RD	140	3500 LUMEN MERCURY VAPOR	3500	100	1/22/1971	2014-77-1	3080.19	Billing	1
CANDIA	56-284211042	CANDIA	HIGH ST	049	9500 LUMEN HP SODIUM	9500	118	11/5/1996	15/3-4-3A	3080.3	Billing	1
CANDIA	56-284211042	CANDIA	HIGH ST	022	20000 LUMEN MERCURY VAPOR	20000	400	8/25/1989	15/6A-6	3080.23	Billing	1
CANDIA	56-31074016	CANDIA	HIGH ST	053	16000 LUMEN HP SODIUM	16000	172	3/25/2009	15/3-4-3A	3080.4	Billing	1
CANDIA	56-594211039	CANDIA	HIGH ST	045	30000 LUMEN HP SODIUM	30000	250	3/8/1989	20/6C-6	3080.5	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/2-3	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/2-3	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/2-4	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/2B1	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/3-1	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/3-2	3080.6	Billing	1
CANDIA	56-850816018	CANDIA	DEERFIELD RD	057	50000 LUMEN HP SODIUM	50000	472	4/26/2004	5/3-3	3080.6	Billing	1



LED Street Lighting Program

The LED Option

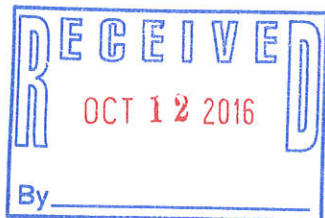
- Available to municipalities served under Rate EOL.
- Customers may choose any combination of LED, High Pressure Sodium (HPS) or Metal Halide (MH) fixtures.
- Customer is responsible for selecting and purchasing LED fixtures which are compatible with Eversource's system (voltage, brackets, photocells), subject to acceptance.
- Customer is responsible for providing replacement LED fixtures upon failure.
- Customer is responsible for the installation cost of LED fixtures, as well as removal and disposal of the existing fixtures, and may choose to have this work done by Eversource or by a Contractor approved by Eversource.
- Customers will pay a per-fixture monthly distribution rate currently at \$3.33 plus \$0.0505 per watt. For example: a 26 watt fixture would have a monthly distribution charge of \$4.643 (\$3.33 + 26w x .0505).
- All maintenance shall be done by Eversource or its agents. Customers will be billed for LED maintenance at a flat fee per fixture, per visit, plus materials, when our crews respond to a report of a non-working LED fixture.

Process

- Current EOL rate customers will review and sign an acknowledgement of their responsibilities under the LED option – The signed acknowledgement will be kept on file at the Construction Services Support Center (CSSC).
- OL rate customers converting to EOL rate will include the LED information in their agreement.
- Requests to install LEDs – or to change an existing installation to LED – will be processed through the CSSC (See CO-1098 Installations and Removals of Municipal Street Lights)
- Customers must choose a lighting package that meets the published Eversource standards of acceptable lighting attributes. (See standards DOC).
- Eversource is not equipped to answer technical questions, nor design your lighting project. Towns should be working with a vendor to assess their lighting needs and develop the project.

Energy Efficiency Incentive

- All Energy Efficiency Incentives are subject to funding availability and approval.
- In order to qualify for an Energy Efficiency Incentive, projects must be reviewed prior to material purchase.
- Qualifying fixtures will receive up to \$100 per fixture with total incentive limited by customer caps.
- Projects DO NOT QUALIFY FOR SMARTSTART FINANCING.



LOOK PLEASE READ

Handwritten signatures and initials over red horizontal lines.

* info on the LED St. lighting 11/14/16 BOS mtg



SCOPE – This Specification covers the requirements for Municipal provided LED luminaire fixtures for roadway lighting.

GENERAL REQUIREMENTS – Complete assembly shall consist of a die cast aluminum housing, highly polished aluminum reflector, internal ballast (to be specified), adjustable porcelain mogul type socket, slip fitter mounting for 1 1/4-inch through 2-inch-diameter pipe, standard 3 terminal twist-lock type photocontrol receptacle ANSI C136.10-1996 (Roadway Lighting Equipment-Locking-Type Photocontrol Devices and Mating Receptacle Physical and Electrical Interchangeability and Testing), all associated wiring, prewired terminal block, and positive latching mechanism.

FIXTURES – LED luminaires must meet Design Lights Consortium (DLC) qualification criteria and appear on the published DLC Qualified Products List. See <http://designlights.org/> for details.

COLOR – Luminaire exterior color shall be light gray.

WIRING DIAGRAM – A wiring diagram and wiring instructions shall be packed in each luminaire.

WIRE SPACING – Sufficient spacing shall be provided between the terminal block and the bracket pipe stop for easy field wiring.

HARDWARE – Hardware shall be of noncorroding material.

WATTAGE INDICATION – Wattage shall be indicated on the underside of housing as specified in ANSI C136.15-1997 (Roadway Lighting Equipment-High-Intensity-Discharge and Low Pressure Sodium Lamps in Luminaires-Field Identification). It shall also be on the lamp socket plainly visible to installer.

PHOTOCONTROL – Photocontrol receptacles shall be wired at 120 volts.

LEVELING PAD – A leveling pad shall be incorporated into each housing.

STARTERS – Where applicable, starters shall be easily accessible and plug-in type (if possible).

DATE – Date of manufacture shall be clearly marked on luminaire.

WEIGHT – Luminaires must weigh less than 50 lbs.

ORIGINAL	MUNICIPAL PROVIDED LED LUMINAIRES SPECIFICATION FOR EOL RATE CUSTOMER			
11/25/14				
APPROVED				
	NORTHEAST UTILITIES	MATERIAL SPECIFICATION	SPC L-033	

**Public Service Company of New Hampshire d/b/a Eversource Energy
Customer Responsibilities under the LED Option of Energy Efficient
Outdoor Lighting Delivery Service Rate EOL**

Municipal lighting customers of Public Service Company of New Hampshire d/b/a Eversource Energy ("Eversource" or the "Company") served under Energy Efficient Outdoor Lighting Delivery Service Rate EOL ("Rate EOL") may opt to have LED fixtures installed, in place of, or in addition to, the metal halide or high pressure sodium fixtures offered under this rate. This is an acknowledgement of customer responsibilities under the LED option of Rate EOL, under the terms and conditions of the Company's Electric Tariff on file with the New Hampshire Public Utilities Commission. The City/Town of _____, New Hampshire (the "Customer"), hereby agrees to accept service under the terms and conditions of the Tariff.

Requirements for the LED Option:

- Customer is responsible for selecting and purchasing accepted LED fixtures from a vendor and for providing replacement fixtures in the event an installed fixture fails for any reason.
- Fixtures must be accepted by the Company in advance of installation and must be compatible with existing line voltage, brackets and photoelectric controls, and must require no special tools or training to install and maintain.
- Customer will pay the Company, or a private contractor approved by the Company, for removal and installation of LED fixtures. Private contractors must be accepted by the Company in advance of commencement of work.
- The Company will hold title to all fixtures during the time they are installed. All maintenance of the fixtures will be performed by the Company or its agent.
- The Company will correct system voltage problems at no charge to the Customer. The Customer will be charged a per-fixture per-visit charge, as specified in the Tariff, when it is necessary for the Company to replace photoelectric controls; or to remove a non-working fixture, return it to the customer, and install a new fixture provided by the Customer. LED fixtures will be considered to have failed if, after confirmation of adequate voltage and an operational photo electric control, the fixture fails to work.

Accepted: Town/City of _____
Account Number(s) _____

By: _____ Date: _____

Accepted: Eversource Energy

By: _____ Date: _____

To the Board of Selectmen
November 4, 2016

The resignation of Fletcher Perkins from the Smyth Memorial Building Board of Trustees has left a vacancy on that board. Carleton Robie has volunteered to fill that position. Board members agreed to his request. We are asking the Board of Selectmen to consider this appointment to fill Fletcher's term.


Diane Philbrick, acting secretary

November 14, 2016

TOWN OF CANDIA
ROAD AGENT'S REPORT
Month of October 2016

Work Summary:

Shoulder work on Critchett Rd., Palmer Rd. Horizon Dr. and Douglas Dr.


Grading was done on Tower Hill Rd., Donovan Rd., and Currier Rd.

Gravel added to Tower Hill Road

Culvert repair on Mayhew Drive

Tree removal on South Road and Tower Hill Road

Patching was done as needed


Dennis Lewis, Road Agent

**Candia Volunteer
Fire Department
11 Deerfield Road
Candia, NH 03034
603-483-8588
603-483-0252 fax**

Memo

Date: November 14, 2016
To: Board of Selectmen
Re: Monthly Report

OCTOBER 2016 HIGHLIGHTS

1. Regular Truck and Building Maintenance
2. Training on Fire Fighter Safety & Incident Command
3. EMS Training

Candia Volunteer Fire Department**Departmental Activity**Current Period: 10/1/2016 to 10/31/2016, Prior Period: 10/1/2015 to
10/31/2015

00:00 to 24:00

All Stations

All Shifts

All Units

Fire Alarm Responses, Dispatch/Remote Responses, Training Classes,
Activities (Non-Incident), Occupancy Inspections and Activities, Hydrant
Insp/Repairs, Hydrant Flow Tests, Equipmt Maint/Testing, Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
Dispatch/Remote Station Incidents*				
EMS Incidents	0	0.00	0	0.00
NFIRS Incidents	0	0.00	0	0.00
	<u>0</u>	<u>0.00</u>	<u>0</u>	<u>0.00</u>
Fire Alarm Situations				
Combustible/flammable spills & leaks	2	3.35	2	10.40
Dispatched and cancelled en route	0	0.00	1	1.62
Electrical wiring/equipment problem	1	0.75	0	0.00
Emergency medical service (EMS) Incident	22	93.37	25	67.68
False alarm and false call, Other	0	0.00	1	0.24
Good intent call, Other	0	0.00	1	3.00
Rescue, emergency medical call (EMS),	0	0.00	2	3.52
Steam, Other gas mistaken for smoke	2	5.72	0	0.00
Structure Fire	0	0.00	1	2.90
System or detector malfunction	0	0.00	1	0.86
Unauthorized burning	0	0.00	1	1.02
	<u>27</u>	<u>103.19</u>	<u>35</u>	<u>91.24</u>
Non-Incident Activities				
Communications Work/Maintenance	0	0.00	2	13.50
Company Training	0	0.00	4	2.00
Driver Training	2	7.00	2	2.60
Duty Sunday	25	73.00	5	17.00
Equipment upkeep	0	0.00	1	1.50
Fire Permits (Forestry)	8	15.00	11	14.00
Inspection Activities	0	0.00	1	0.75
Mutual Aid Call	5	27.50	0	0.00
Parade Detail	1	4.00	0	0.00
Protective Clothing	2	2.50	0	0.00
Public Relations	1	1.50	0	0.00
Station Standby - Town Coverage	4	16.25	5	195.00
Station Work	2	5.00	1	4.00

* Staff hours for Fire Alarm responses that have an associated EMS alarm record are considered shared hours. Shared hours are posted only with the EMS alarm responses to avoid duplication of staff hours in totals.

Candia Volunteer Fire Department***Departmental Activity***Current Period: 10/1/2016 to 10/31/2016, Prior Period: 10/1/2015 to
10/31/2015

00:00 to 24:00

All Stations

All Shifts

All Units

Fire Alarm Responses, Dispatch/Remote Responses, Training Classes,
Activities (Non-Incident), Occupancy Inspections and Activities, Hydrant
Insp/Repairs, Hydrant Flow Tests, Equipt Maint/Testing, Departmental Events

Category	Current Period		Prior Period	
	Count	Staff Hrs	Count	Staff Hrs
Non-Incident Activities				
	50	151.75	32	250.35
Permits Issued				
BRUSH Burning Permit	0		14	
SEASONAL Fire Permit	0		6	
	0		20	
Training				
Cold Emergencies	0	0.00	10	20.00
CPR	14	44.00	0	0.00
Fire Scene Management	9	18.00	0	0.00
Pre Plans	16	28.00	0	0.00
Rapid Intervention Team	0	0.00	26	57.00
	39	90.00	36	77.00

* Staff hours for Fire Alarm responses that have an associated EMS alarm record are considered shared hours. Shared hours are posted only with the EMS alarm responses to avoid duplication of staff hours in totals.

No Crime Incident Event Breakdown

Event	Description	Total	%
AAC	Assist-Animal Control Officer	5	00.3
AAP	ASSIST-AUBURN POLICE DEPARTMENT	50	02.5
ACF	Assist-Candia Fire Department/Rescue	189	09.6
ACH	ASSIST-CHESTER POLICE DEPARTMENT	4	00.2
ACP	Animal Complaint	80	04.1
ADP	ASSIST-DEERFIELD POLICE DEPARTMENT	33	01.7
AFG	assist-NH Fish and Game	0	00.0
AHP	ASSIST-HOOKSETT POLICE DEPARTMENT	15	00.8
AOA	ASSIST-OTHER AGENCY	49	02.5
ARP	ASSIST-RAYMOND POLICE DEPARTMENT	16	00.8
ASP	ASSIST-NH STATE POLICE	54	02.7
ATL	ATTEMPT TO LOCATE	0	00.0
CAL	COMMERCIAL ALARM	57	02.9
CAS	Citizen Assist	140	07.1
CRA	Cruiser Accident	0	00.0
CSB	Civil Standby	25	01.3
DCF	Discharge Firearm	2	00.1
DEL	DELIVER MESSAGE	1	00.1
DIS	Disturbance	6	00.3
DOM	DISTURBANCE (DOMESTIC)	20	01.0
LPR	Lost Property	44	02.2
MIP	Missing Person	2	00.1
MOT	Motorist Assist	81	04.1
MVC	Motor Vehicle Complaint (speeding)	118	06.0
NBR	Neighbor Dispute	8	00.4
NIN	911 hang ups (accidental)	22	01.1
NOI	NOISE COMPLAINT	26	01.3
OHR	OHRV complaint	6	00.3
OTH	Other	2	00.1
PIN	Police Information	203	10.3
PS	Paperwork Service (subpoenas, etc)	56	02.8
RAL	RESIDENTIAL ALARM	60	03.0
RHZ	Road Hazard (Wires/Tree Down)	51	02.6
SDA	Suspected Drug Activity	9	00.5
SDT	Sudden Death	4	00.2
SEC	Security Check	88	04.5
SPN	SUSPICIOUS PERSON	32	01.6
SSA	Suspicious Activity	139	07.1
SSV	Suspicious Vehicle	191	09.7
VIN	VIN VERIFICATION	61	03.1
WEL	Welfare Check	22	01.1
---	Not Specified	0	00.0

Grand Total: 1971

Offenses (State Law) By Month

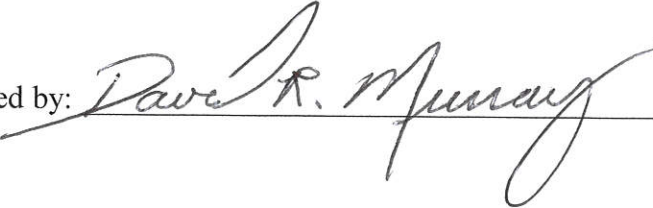
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTALS
SIMPLE ASSAULT	1	1	0	0	1	1	0	1	1	0	6
ARSON	0	1	0	0	0	0	0	0	0	0	1
ATTEMPT TO COMMIT BURGLARY	0	0	0	0	1	1	2	0	0	0	3
BURGLARY	0	0	1	1	1	0	2	0	0	1	6
WILLFUL CONCEALMENT	0	0	0	0	0	0	0	0	1	0	1
THEFT; ALL OTHER	0	0	0	0	0	0	0	0	1	0	1
THEFT; FROM A BUILDING	0	2	0	0	0	2	0	0	0	0	4
THEFT; FROM A MOTOR VEHICLE	0	0	0	1	0	0	0	2	0	1	4
ATTEMPT TO COMMIT THEFT OF VEH	0	0	0	0	0	0	0	0	0	1	1
THEFT; MOTOR VEHICLE PARTS OR	1	0	0	0	0	3	1	0	0	0	5
ATTEMPT TO COMMIT LARCENY	1	0	0	0	0	0	0	0	0	0	1
THEFT; ALL OTHER	0	0	1	0	0	2	0	0	3	4	10
ATTEMPT TO COMMIT FRAUD	10	9	3	7	4	3	3	6	10	3	58
ATTEMPT TO COMMIT LARCENY	1	0	0	0	0	0	0	0	0	0	1
THEFT BY DECEPTION	1	0	0	0	0	0	1	0	0	0	2
IDENTITY FRAUD	0	1	2	0	0	4	0	1	0	0	8
CRIMINAL MISCHIEF (VANDALISM)	0	2	2	2	4	2	5	0	2	5	24
Possession of Drugs	1	0	1	1	1	1	0	0	0	0	4
POSSESSION OF CONTROLLED/NARCO	4	0	2	0	2	1	2	0	0	0	11
PENALTIES; POSSESSION OF CONTR	0	0	0	0	2	0	0	0	0	0	2
CARRYING LOADED HANDGUN WITHOU	0	0	0	0	0	0	0	0	0	1	1
NEGLIGENT DISCHARGE OF FIREARM	0	0	0	0	0	0	0	0	1	0	1
ISSUING BAD CHECKS	0	0	1	0	0	2	1	0	0	0	4
DISORDERLY CONDUCT	0	0	0	0	0	0	0	1	0	0	1
DRIVING WHILE INTOXICATED	1	0	0	0	1	1	0	0	1	2	6
AGGRAVATED DRIVING WHILE INTOX	0	0	0	0	0	0	0	0	1	1	2
ALCOHOLISM - PROTECTIVE CUSTOD	0	0	0	3	1	0	0	0	0	0	4
PROTECTIVE CUSTODY OF INTOXICA	0	0	0	2	0	0	0	0	0	0	2
UNLAWFUL POSSESSION OF ALCOHOL	0	0	0	0	2	0	0	1	0	0	3
Transporting Alcoholic Beverag	0	0	0	1	1	0	0	1	0	0	3
TRESPASSING STOCK	0	0	1	0	0	0	0	0	0	0	1
RUBBISH (ILLEGAL DEPOSIT)	0	0	0	0	0	0	0	1	2	0	3
NOISE COMPLAINTS	0	0	1	0	0	0	0	0	0	0	1
LITTERING-UNLAWFUL ACTIVITIES	0	0	0	0	0	4	0	1	4	1	10
VIOLATION OF PROTECTIVE ORDER;	0	2	0	0	0	1	2	2	0	1	8
SAFE SCHOOLS ACT	1	0	0	0	0	0	0	0	0	1	2
LITTERING; PENALTIES	0	0	0	0	0	0	3	0	1	0	4
SPILLAGE OF MATERIAL	0	0	0	0	0	0	0	0	0	1	1
DOG LICENSE REQUIRED	0	0	0	0	0	0	0	0	0	1	1
DOG CONTROL LAW; RUNNING AT LA	0	1	4	3	4	6	1	3	3	7	32

DOG A MENACE, NUISANCE OR VICI	3	1	2	0	1	0	3	2	1	3	16
UNLAWFUL WIRE TAPPING-FELONY	0	0	0	0	1	0	0	0	0	0	1
BENCH WARRANT	0	0	0	0	0	0	1	0	0	0	1
DOMESTIC VIOLENCE; ASSAULT	0	0	1	0	0	0	0	0	0	1	2
TRESPASSING STOCK	0	0	0	2	0	0	0	0	0	0	2
OBSTRUCTING REPORT OF CRIME OR	0	0	0	0	0	0	0	1	0	0	1
RESISTING ARREST OR DETENTION	0	0	0	0	0	0	0	0	0	1	1
HARASSMENT - (PHONE)	0	2	0	0	0	0	0	0	1	0	3
PROWLING	0	0	0	0	0	0	1	0	0	0	1
CHANGE OF ADDRESS; DUTY TO INF	1	0	0	0	0	0	1	0	0	0	1
Welfare Check	0	1	0	0	0	0	0	0	0	0	2
UNTIMELY OR UNATTENDED DEATH	1	0	0	0	0	0	0	1	0	0	1
SUICIDE	0	0	0	0	0	0	0	0	1	0	2
RECOVERED PROPERTY	0	0	0	0	0	0	0	0	0	0	1
INVOLUNTARY EMERGENCY ADMISSIO	0	0	0	0	1	1	0	0	0	0	1
SUSPENDED REGISTRATION (OPERAT	1	1	0	0	1	0	0	0	0	0	3
UNREGISTERED VEHICLE	0	0	0	0	1	1	0	0	1	0	4
OPERATING WITHOUT A VALID LICE	0	0	1	0	1	0	0	0	0	0	2
DRIVING AFTER REVOCATION OR SU	1	1	0	1	2	1	1	0	1	1	9
CONDUCT AFTER AN ACCIDENT	0	0	0	0	0	0	0	0	1	2	3
FAILURE TO REPORT INJURY TO DO	0	0	0	0	0	0	0	0	0	1	1
SPEEDING (TYPE I OR II NOT SPE	0	0	1	0	0	0	0	0	0	0	1
RECKLESS OPERATION	0	0	1	0	0	0	0	0	0	1	2
Administrative Review and Hear	0	0	0	0	1	0	0	0	0	1	2
DOGS PURSUING GAME; OWNERS CON	0	0	0	0	1	0	0	0	0	1	2
ARREST ON A WARRANT	2	1	0	4	2	1	0	1	1	0	12
REGISTRATION OF SEX OFFENDER R	0	3	2	1	3	3	1	2	2	0	17

TOTALS	31	29	27	31	41	38	32	27	40	47	343
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OCTOBER, 2016 Building Activity Report Summary

	October 2015	October 2016
Permits Issued	47	23
New Code Enforcement Cases	0	0
Open Code Enforcement Cases	4	4
Code Enforcement Cases Closed	0	0
Inspections Performed	107	69
CO's/CC's & Closed Permits	38	24
Renewed Permits	6	1
Revenue October, 2015 \$3093.72+ \$257.12 =\$3,350.84		Revenue October, 2016 \$1,006.00 + \$75.00 = \$1,081.00
Revenue YTD, 2015 \$13,187.48 + \$3,350.84 =\$16,538.32		Revenue YTD, 2016 \$14,358.20 + \$1,081.00 =\$15,439.20

Submitted by:  Date: 11/10/2016

October 2016**INSPECTION BREAKDOWN including cc's****Commercial, Mixed, L1, L2**

Building (BP)	3
Electrical (EL)	2
Gas Piping (GP)	
Plumbing (PL)	
Generator (GE)	
Demolition (DE)	
Oil Burner (OB)	
Gas Burner (GB)	
Foundation only (FO)	
Sign (SI)	

Residential

Building (BP)	21
Electrical (EL)	22
Gas Piping (GP)	4
Plumbing (PL)	3
Generator (GE)	
Demolition (DE)	
Oil Burner (OB)	2
Gas Burner (GB)	3
Oil Tank or Gas Tank	2
Septic (SP)	
POA/LS	3
Solar (SO)	
Finals	6
Violations (VI)	

Total Inspections: 71**BREAKDOWN PERMITS ISSUED****Permit's issued Breakdown**

Building (BP)	7
Electrical (EL)	5
Gas Piping (GP)	2
Plumbing (PL)	1
Generator (GE)	
Demolition (DE)	
Oil Burner (OB)	
Oil Tank (OT)	1
Gas Burner (GB)	2
Gas Furnace (GF)	2
Foundation only (FO)	
Solar (SO)	
Mechanical (ME)	
Roof (RF)	2
Use/POA/LS	1

Total Permits: 23

September 2016

The Candia Recycling Center land-filled **66.08** tons of Municipal Solid waste (MSW) and disposed of **52.56** tons of C&D debris during September 2016, The Center processed **118.64** tons of waste during September 2016.

Recyclables

Mixed paper -**11** bales = **17,122** lbs. = **8.56** tons

Cardboard – **7** bales = **9,963** lbs. = **4.98** tons

Plastics #1-#7 – **4** bales = **5,158** lbs. = **2.58** tons

Aluminum cans- **2** bales = **1,647** lbs. = **.82** tons

There **24** bales of recyclables generated during September 2016. These **24** bales weighed a total of **33,890** lbs. or **16.95** tons.

9/2 - **9.10** tons of Cardboard generated approx. **\$728** and **12.70** tons of Mix Paper generated approx. **\$445**

9/2 - load of Hi-Grade dirty Aluminum, **2,280** lbs, generated approx. **\$433**

9/9 - load of light iron, **8.33** tons, was removed from the scrap metal pile that generated approx **\$632**.

9/16 – load of heavy iron, **8.97** tons, generated approx. **\$760**.

9/23 – **6.47** tons of Aluminum cans generated approx. **\$6215**

9/23 - combo load of non-ferrous metals, **5.86** tons generated approx. **\$4755**

The Candia recycling Center generated approx. **\$15,139** in revenue during September 2016.

Andria Hansen

From: Boyd Chivers [boydchivers@gmail.com]
Sent: Tuesday, October 25, 2016 7:57 AM
To: Andria Hansen
Subject: Fwd: Candia: Question

Hi, Andria:

Please copy the text from this sample warrant article, insert the correct amount (\$300.00) and save on a document that will be discussed at our next meeting.

Thanks,
Boyd

----- Forwarded message -----

From: **Legal Inquiries** <legalinquiries@nhmunicipal.org>
Date: Thu, Aug 18, 2016 at 8:59 AM
Subject: Candia: Question
To: "boydchivers@gmail.com" <boydchivers@gmail.com>

Hi, Boyd—

Here is some proposed language for your warrant article:

Shall the town adopt the “all veterans’ property tax credit” under RSA 72:28-b? If adopted, the credit will be available to any resident, or the spouse or surviving spouse of any resident, who (1) served not less than 90 days on active service in the armed forces of the United States and was honorably discharged or was an officer honorably separated from service, and (2) is not eligible for and not receiving the credit for veterans who served in a qualifying war or armed conflict or for veterans with a service-connected disability. If adopted, the credit will be in the amount of \$_____, which is the same amount as the credit for a veteran who served in a qualifying war or armed conflict. If the credit is adopted, any person desiring to claim the credit will be required to file an application with the selectmen or the assessors by April 15 of the tax year.

I hope this is useful. Please let me know if you have further questions.

Cordell Johnston

Government Affairs Counsel

New Hampshire Municipal Association