APPLICANTS' EXHIBIT 4 DOCKETED KLD: TR-208 USNAC "88 FEB -2 A9:26 REPORT ON THE VEHICLE OCCUPANCY RATE (VOR) SURVEY PROCESS Prepared for New Hampshire Yankee Seabrook Station Seabrook, NH 03874 Prepared by KLD Associates, Inc. 300 Broadway

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President

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ABSTRACT

Two large-scale surveys were undertaken on the main access roads to Plum Island and Salisbury Beach, Mass. and to Seabrook and Hampton Beaches, N.H. These surveys, conducted on July 11, 1987 and July 18, 1987, both Saturdays, obtained data for the primary purpose of estimating mean vehicle person occupancy. The survey methodology consisted of observers standing at the edge of selected roads, peering into the interior of passing vehicles and announcing the number of persons observed. This announcement was recorded on audio tape and was also recorded, in writing, by a second observer, on a form prepared for that purpose.

Over the two days of data collection, a total of 56,040 persons were observed in 24,637 vehicles, to yield a mean occupancy of 2.275 persons. This figure is in essential agreement with the results of a similar smaller-scale, survey, conducted a year earlier, on July 4th and 5th, 1986.

1. INTRODUCTION

In order to estimate the population in the beach areas along the New Hampshire coast, a series of data collection activities were undertaken:

- o In August, 1985
- o On July 4th and 5th, 1986
- o On July 11th and 18th, 1987.

The primary purpose of these surveys was to establish the distribution of vehicle occupancies in vehicles travelling toward the beach areas. The mean value of vehicle occupancy is applied to the estimate of the maximum number of vehicles parked in the beach areas, to yield the maximum number of people who occupy the beach area, at a point in time.

The survey conducted in late August, 1985 was undertaken on days when the weather conditions were less than appealing to beach-goers. As a result, the mean vehicle occupancy of under 2.2 persons was regarded as suspect.

Consequently, a second survey was conducted on the July 4th weekend in 1986, under generally good weather conditions. This survey yielded a mean vehicle occupancy of 2.338 persons, based on a total sample size of 5,165 vehicles. For planning purposes, then, a mean occupancy value of 2.4 persons was applied to the estimated vehicle population to obtain estimates of beach population. The results were documented in Volume 6 of the NHRERP, on pages 4-6, 4-7 and 4-8.

It was decided to update this data with even more extensive surveys in 1987 during the heat wave in mid-July. This report documents the 1987 surveys.

2. OVERVIEW OF THE SURVEY

A comprehensive effort was undertaken to update the existing data quantifying the peak transient and permanent population of the larger beach areas in the vicinity of Seabrook Station. This effort consisted of close-up vehicle and occupancy counts by trained observers at all major approaches to the beaches along the beach access roadways. This effort, called the Vehicle Occupancy Rate (VOR) survey, was conducted by planning personnel assigned to Seabrook Station. Guidance was provided throughout the VOR survey process by KLD Associates, a consulting firm which developed an update to the Evacuation Time Estimate (ETE) for the Seabrook Emergency Planning Zone (EPZ).

The purpose of the VOR survey was to obtain a mean occupancy rate for all the vehicles counted. This value was needed as a check on the current estimate of 2.4 persons per vehicle, documented in Volume 6 of the NHRERP. This mean occupancy rate multiplies the number of estimated parking spaces obtained from aerial photographs taken on July 18, 1987 to provide emergency planners with a factual and carefully documented planning base for estimating peak weekend beach populations.

The results of the VOR survey are as follows: a combined total of 24,637 vehicles (including bises) were counted on July 11th and 18th, both Saturdays. These vehicles contained a total of 56,040 occupants. The mean occupancy rate of the vehicles surveyed was 2.274 occupants per vehicle. This figure differs from the result of a similar survey taken on July 4th and 5th, 1986, by approximately 0.06, or 2.6 percent.

The following is a chronological summary of the entire VOR survey process. It will be divided into three sections: a description of the preparatory steps taken prior to the actual survey periods; an explanation of the survey procedures; and a description of the survey data analysis.

3. PREPARATION OF THE SURVEY

On July 2, 1987, an instructional meeting was held for all the VOR observers by the senior consultants coordinating the operation. This meeting immediately preceded the first scheduled survey period of Friday and Saturday, July 3 and 4. (NOTE: Due to inclement weather on both days, it was decided to defer the survey to a weekend where hot weather would attract a high beach population.) The purpose of this meeting was to discuss the YOR Survey Instructions to Observers, a step-by-step guide developed to ensure that all data was recorded in a uniform manner (see Attachment 1), and to issue any equipment necessary to conduct the survey. Each item on the instruction outline was discussed in detail, with ample time allotted for all participants to ask questions and/or make suggestions for improvement in the survey process. Equipment was then issued (including portable recording devices with back-up power sources) and tested to ensure trouble-free operation in the field.

Immediately following this meeting, observer teams were dispatched to their assigned VOR locations to conduct a trial survey run. Teams were instructed to follow all procedures exactly as they would during the actual survey periods. During the trial run, "rover" teams comprised of survey coordinators visited all the VOR locations to observe team activities and generally be available to respond to questions, provide back-up equipment or provide any other assistance as needed. The trial run afforded an opportunity to determine if the survey logistics were workable and manageable under actual field conditions.

As was the case throughout the survey preparation phase, observers' opinions and/or suggestions were again solicited after the trial run was completed.

Conducting the Survey

The VOR survey was conducted on two successive Saturdays, July 11 and 18. During the July 11 survey, observers manned all six VOR locations depicted on the <u>VOR Observer Location Map</u> (see Attachment 2). A more detailed depiction of each location is provided by Attachments C through H of Attachment 1. These locations were carefully selected to ensure the widest possible sampling of traffic ingress to the Hampton (NH), Seabrook (NH), Plum Island (MA) and Salisbury (MA) beach areas. On July 18, observers were located at VOR Locations 2, 3A and 5 only. The July 11 survey commenced at 9:00 AM and ended at 1:00 PM. The July 18 sampling ran from 9:30 AM to 12:30 PM. Personnel assignments for both survey dates can be found on the attached <u>VOR Assignment Sheet</u> (7/11) and the <u>7/16 Memorandum</u> (see Attachment 3).

There are several factors which led to the decision to conduct a supplemental survey on July 18. Foremost was the desire to obtain traffic data to coincide with the aerial

photography effort taking place at the same time. (NOTE: Aerial photographs of all the coastal areas within the EPZ were taken between 12 Noon and 1:20 PM on July 18.) This desire was partially motivated by past complaints from intervenors in the Seabrook Station licensing process. These complaints allege that information gleaned from previous aerial photographs (taken July 4, 1986) was rendered invalid because a very limited sampling of vehicle occupancy data, gathered via a field survey of narrower scope, was obtained during the corresponding period.

Another factor was the desire to expand the overall von database with the additional data gathered on July 18. Obviously, the survey results and any assumptions based on them will be more conclusive if they are substantiated by a large and varied data base, provided in this case by an expanded sampling period.

The three VOR locations used for the July 18 survey were chosen based on the results of the previous week's sampling. These three locations consistently displayed the highest mean occupancy rates and, in most cases, experienced the heaviest traffic volume (see <u>Vehicle Occupancy Rate Surveys for Major Beach Access Roads</u>, Attachment 4 for a detailed account of the results for both VOR surveys).

On both survey dates, the prevailing weather conditions were noted by each observation team at all locations. The weather conditions were both recorded verbally on tape and noted in writing on the VOR tally sheets. Further documentation on the weather conditions was obtained from the National Weather Service for both survey periods (see Attachment 5). Conditions were periodically updated for the duration of the survey. Similarly, each observation team periodically noted the time on the tape recorders and on paper. This was done to simplify the tallying process and to facilitate an hourly breakdown of the results.

As described in the VOR survey instructions (Attachment 1), the procedures for recording both vehicular volume and occupancy were simple and straightforward. Each observer team was supplied with a tape recorder and printed tally sheets to record the required data. Documenting the information using these two distinct recording modes was done to provide a cross-reference capability when the data was eventually tabulated. By employing two separate methods of recording (oral and written), each method could be used to substantiate and augment the other during the tabulation phase.

Item number 4 on the instruction sheets (Attachment 1) lists the four classes of information needed for each vehicle counted. They are in order of priority: number of persons (in vehicle); vehicle type; turn movement and license plate. In the vast majority of cases, both the oral and written recorders were able to document all four classes of information. During periods of heaviest traffic volume, however, recording of all four data

items sometimes proved difficult. At these times, the prioritization system was employed to ensure that the two most critical pieces of information, occupancy and vehicle type, were always recorded. This information was, in fact, recorded for every vehicle.

Tabulating the Survey Data

After the field survey was completed, each theoryation team was responsible for reviewing their own recorded tapes and data sheets. The primary purpose of the review was to ensure consistency between both methods of recording. To this end, each team played back the audio tape while following along line by line on the tally sheets. If any inconsistencies were discovered between the two data sources, they were noted in the appropriate place on the tally sheets.

Given the extensive scope of the survey and the large amount of information recorded, there were relatively few instances of inconsistencies of any type. The most common ones discovered in the review were cases where the tally sheet recorder was having difficulty keeping pace with the tape recorder observer. In these cases, the data which was present on the tape and not found on the tally sheets was inserted where it belonged. For example, if the data recorded on tape for four vehicles was "PC-2-right-NH, PC-3-left-MASS, Truck-2-left-MASS, VAN-5-right-MASS" and the data data recorded on the tally sheets for the corresponding time frame read "PC-2-right-NH, PC-3-left-MASS, Van-5-right-MASS", it was concluded that the tally sheet recorder was unable to note the third entry on the tape recorder (Truck-2-left-MASS) because of the rapidity of the dictation. To rectify the inconsistency, the observer/reviewer then inserted "Truck-2-left-MASS" between "PC-3-left-MASS" and "Van-5-right-MASS" on the tally sheet. When the tape recording obviously reflected periods of heavy traffic (i.e. the speaker's rate of speech increased), reviewers were automatically alerted to the possibility of inconsistencies of this nature.

Conversely, there were a few cases where information on the tally sheets was not evidenced on the tape. In these instances, this information was deleted from the tally sheet, since the writer was instructed to tally only the data dictated by the tape recording observer.

In addition to periodically noting the time on the audio tape, each such observation was also noted on the tally sheets. This was done to provide a common point of reference for review purposes and to enable the data to be tabulated on an hourly basis.

After the data review process was completed, the reviewers entered the data on the <u>Summary Sheet for VOR Tally Sheets</u> (see Attachment I of Attachment 1). These summary sheets were used to determine a mean vehicle occupancy rate for each hour of the

survey, and to tally the total vehicle number by type. The methodology for these calculations is indicated on the sheets themselves.

The bus data observed on . The survey dates were treated differently from those for other vehicle types. Although the number of buses counted was entered in the appropriate space on the Summary Sheet for VOR Tally Sheets, the number of passengers on each bus is not reflected in the occupancy section. This is so because the number of passengers per bus varied greatly (from empty to apparently filled to capacity) and because an accurate head count on such a large vehicle was nearly impossible to obtain. The relatively small number of buses (a total of 30 or approximately 0.1 percent) did not have a significant impact on the mean occupancy rate figures.

The final step in the data tabulation process was the development of Vehicle Occupancy Rate Surveys for Major Beach Access Roads (Attachment 4) which summarizes in detail the results of both survey dates. The summary provides an hourly breakdown on vehicle occupancy for each of the VOR locations manned. It also provides an hourly mean occupancy rate for each location. Using the summary, one can easily extract any information they require and do so for any hour of the survey.

July 1, 1987

Vehicle Occupancy Rate (VOR) Survey

INSTRUCTIONS TO OBSERVERS

The vehicle occupancy rate survey is intended to establish a first-hand, accurate account of occupancy data over the course of the survey time frames. The information obtained during this survey will supplement data previously obtained for the Seabrook area.

- 1. A Vehicle Occupancy Rate observation team will be assigned to specific major intersections as indicated on the attached assignment sheet (Attachment A). Each team will con; it of two members; one member will record on-going observations of vehicle occupancy on a dictaphone, while the second member records the information on formal tally sheets (Attachment B).
- 2. Each team should establish itself at the appropriate locations as indicated on the VOR Location Diagrams (Attachment C through H). These locations have been selected to assist the teams in viewing as many incoming vehicles as possible. Many cars at these locations will be traveling at a reduced rate of speed, which will also facilitate observations of vehicle occupants. Observation teams should stand as close to the edge of the road as is necessary to ensure clear visibility of vehicle occupants.
- 3. To begin each recording session, record your name, affiliation, date/time, specifically where you are located (both VOR number and Street names), and a brief description of current weather conditions. Be sure to hold the microphone close to your mouth in order to limit interfering traffic sounds. Talk clearly and distinctly.
- There are four (4) classes of information needed for each vehicle counted. These classes, and the associated recorded information, are listed below.

Information Needed	Spoken/Recorded
a) Vehicle Type	"PC" (Passenger Car) "Pick-up" (Truck) "Van" "RV" "Truck" "Bus" "Cycie" "Bike"
b) Number of Persons	"1" "2" "3" "4" etc.

Information Needed

Spoken/Recorded Data

c) Turn Movement

"Through"
"Right"
"Left"

d) License Plate

"New Hampshire"
"Massachusetts"
"Other"

The above information should be recorded in the order listed as a vehicle approaches and passes the observer. An example of recorded data, then, may sound somewhat as follows:

"PC...3...Right...Mass;...Van...1...through....Other;
...Cycle...2...Left...New Hampshire;..." Note, however that the primary purpose of the survey is to record data regarding vehicle occupancy rates. As such, should traffic become too heavy to record all of the above information for each vehicle, ensure at a minimum that data regarding the number of persons is always recorded. Vehicle type, turn movement, and license plate origin are of decreasing priority for the purposes of this survey, but should be recorded if at all possible.

- 5. During times of heavy traffic, record the current time on the ape at approximately 10 minute intervals. This will provide an incition of the "running time" of the tape. If a long "lull" in the traffic should occur, you may not wish to continue running the tape needlessly; instead place the recorder on pause until traffic resumes. Be sure to note the time when the recorder is turned back on! If weather should change significantly, record the time and nature of the change.
- 6. The traffic entering the coast area is expected to be the heaviest between 9:30 and 11:00. In order to ensure as complete coverage of incoming vehicles as is possible, teams will record continuously from 9:00 AM to 11:00 AM; please note the time at 10:00 AM to assist with complilation of the data following the survey. A fifteen-minute break will be taken at 11:00 am. Please record the time on both the tape and the tally sheets when recording resumes at 11:15 AM. All tapes should be labeled on both sides regarding times and VOR Location Number, as appropriate.
- 7. It is not anticipated that our field activities during this survey will attract undue attention from civil or legal authorities. If however, you are questioned as to the nature of your activities, simply reply that you are an observer for a local vehicle survey. Remain cordial and friendly at all times. Should any situation arise which is beyond your capability to control, remove yourself from the location and report by phone to the designated contact person.
- 8. If the weather is pleasant and hot, you may wish to bring some refreshments with you to your site. Under no circumstances should alcoholic beverages be brought to the intersection or ingested during the course of the survey.

9. Schedule - Pre-Survey Sample. A pre-survey meeting and sample run has been scheduled for July 2nd. 1987. The pre-survey meeting will begin in the Red Room at 1:30: all teams will be provided equipment and further instructions at that time. Teams will then be dispatched to their respective intersections in order to record a sample run of activity at these sites. This sample run will allow you to familiarize yourself with your location and the procedures detailed above. If your team is not provided with mechanical recording devices whill Friday, mimic the use of this machinery during the trial run, and practice completing the tally sheets. A coordinating "Rover" teams will observe your trial set-up procedures at your intersection; the Rovers will begin at VOR Observer Location No. 1, and move south to Observer Location No. 15. Please remain at your designated location until you are observed by the Roving Team.

Survey. The Survey itself is scheduled to be conducted on July 3 and July 4, 1987. However, in the case of inclement weather, the survey may have to be delayed until the following weekend for more attractive weather conditions.

Friday, July 3, 1987: All survey members should report to the Red Room at 7:30 AM. Outstanding equipment will be distributed at that time and any questions raised by the trial run conducted the previous day will be answered. Any decision to cancel the July 3 activities due to inclement weather will be made at that time.

Saturday, July 4, 1987: All survey members should again report to the Red Room at 7:30 AM. Cancel stion due to inclement weather will be made at that time, if necessary.

During the survey, the "Rover" team will again be observing team activities, and will thereby be available to respond to any questions team members may have, provide backup tapes, sheets, etc. or to assist in any way.

Post Survey. Team members should review all recorded tapes and data sheets for consistency of recorded information, and complete the VOR Summary Sheets (Attachment I) by July 10, 1987. Once this is complete, return all recorders, tapes, and data sheets to Karen Larson.

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"Thenk Yeu fer yer suppurt!"

LICENSE

Page No

TURN

VOR TALLY SMEET

NO. PERSONS

TYPE VEHICLE

Time:

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VOR Location

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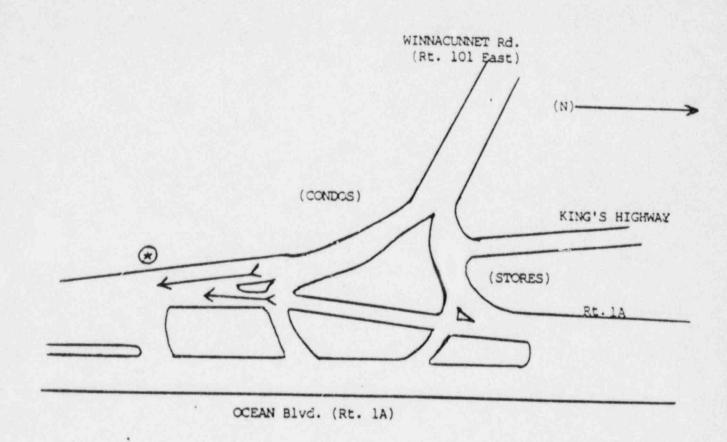
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VOR OBSERVER LOCATION NO. 1

TOWN: HAMPTON

LOCATION: Rt. 1A and Rt. 101E

TCP NO: D-HA-04



VOR OBSERVER LOCATION

TRAFFIC DIRECTION to be OBSERVED

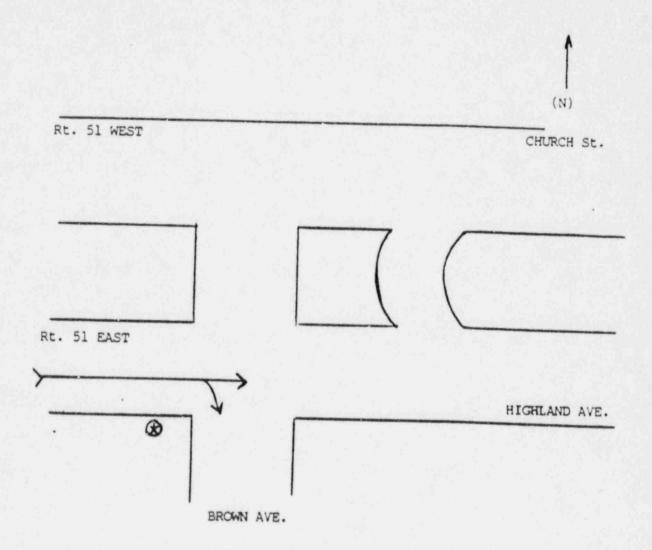
VOR OBSERVER LOCATION NO. 2

TOWN: HAMPTON (HAMPTON BEACH)

LOCATION: HIGHLAND AVE. and Rt. 51 EAST

at BROWN AVENUE

TCP NO: A-HB-03

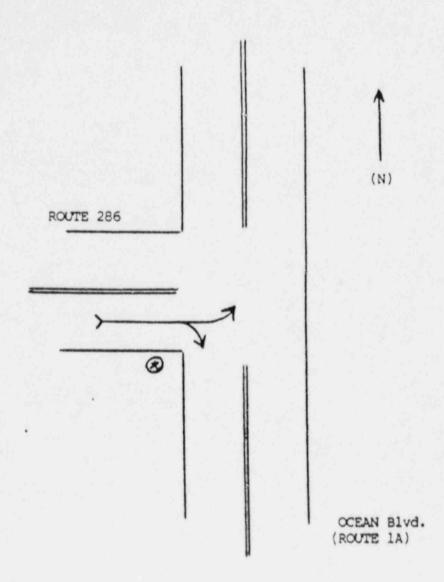


VOR OBSERVER LOCATION NO: 3A

TOWN: SEABROOK

LOCATION: OCEAN Blvd. (Rt. 1A) and Rt. 286

TCP No: A-SE-06



Ø VOR OBSERVER LOCATION
 → TRAFFIC DIRECTION to be OBSERVED

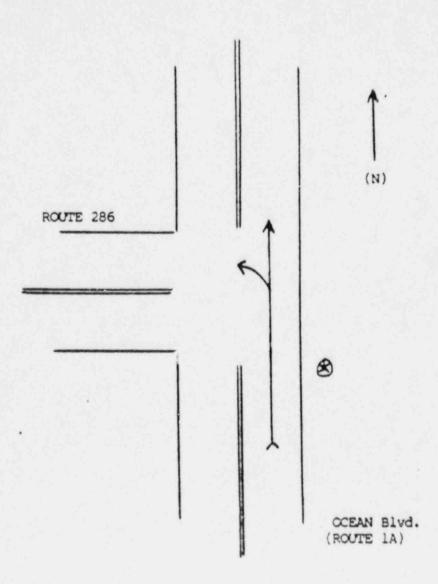
VOR OBSERVER LOCATION NO: 38

TOWN: SEABROOK

0

LOCATION: OCEAN Blvd. (Rt. 1A) and Rt. 286

TCP No: A-SE-06



♥ VOR OBSERVER LOCATION
 ★ TRAFFIC DIRECTION to be OBSERVED

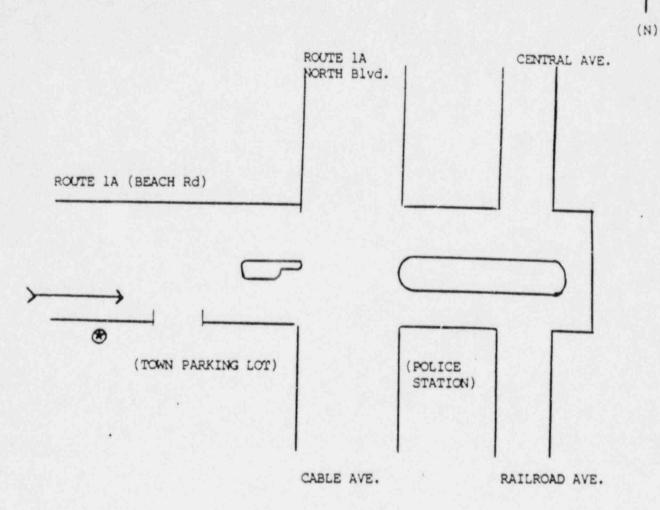
VOR OBSERVER LOCATION NO. 4

TOWN: SALISBURY

0

LOCATION: ROUTE 1A and NORTH BOULEVARD

TCP NO: B-SA-04



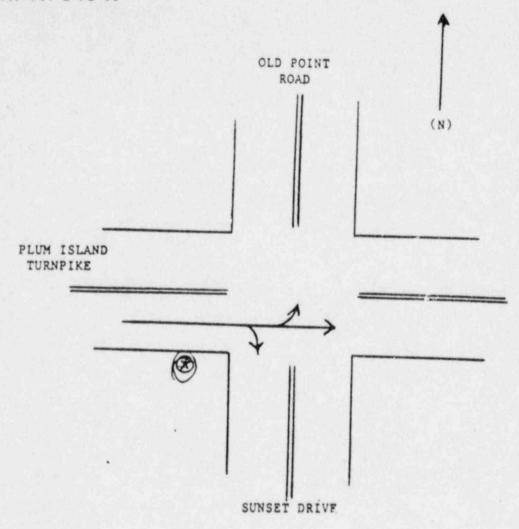


TOWN: NEWBURY

LOCATION: PLUM ISLAND TURNPIKE AND

OLD POINT RD. / SUNSET DRIVE

TCP NO. E-NB-01



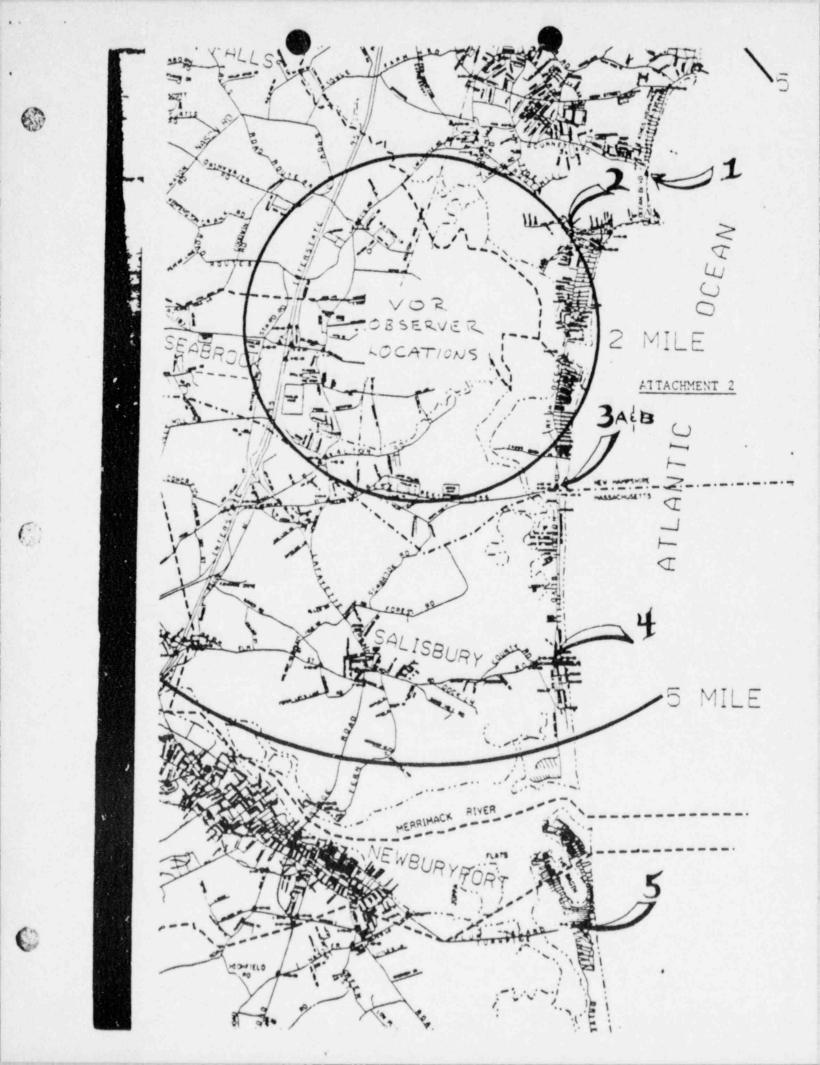
VOR OBSERVER LOCATION

TRAFFIC DIRECTION TO BE OBSERVED

Summary Sheet for VOR Tally Sheets

VOR Location No.:	Observer Name:
Town:	Date:
TCP No.:	Weather Conditions

		Total by Vehicle Type				Total Vehicles occupied by No. Persons							Total Turn Movements			License Plates			Mean Occupancy		Mean			
Observation Times	P u P	V a n	R	T r u c k	8 u s	C y c l e	B i k	PC	1	2					7+	T h r o u	R 1 g h	L	N H	M A S S	0 t h e	Total P - e r s o n	Total V e h i c l e	c c u p a n c y
9:00am to 10:00am																								
10:00am to 11:00am																								
11:15am to 12:00 noon																								
12:00 noon to 1:00pm																								
TOTALS																								



ATTACHMENT 3

VOR ASSIGNMENT SHEET JULY 11, 1987

VOR Observer Location Number

Assigned Observers

No. 1

Hampton Route 1A and Route 101E (Winnicunnet)

Joe Enoch Marilyn Sullivan

No. 2

Hampton Beach Highland Avenue and Route 51

Karen Larson Lesley Tilston

No. 3A

Seabrook Route 1A and Route 286

John Spead Bill Kollar

No. 3B

Seabrook Route 1A and Route 286

Bill Thorpe Kathy VonWald

No. 4

Salisbury Route 1A and North Boulevard

Cathy Frank Bruce Musico

No. 5

Newbury Plum Island Tnpk. and Old Pt. Road

Craig Starkman Neal Boucher

Rovers

John Hart John Baer Ed Lieberman

Back-ups

Loretta Garcia Ken O'Gara

HELP LINE: 474-9521, x2762

MEMORANDUM

TO:

KATHY FRANK, ED HARTNETT, BILL KOLLAR, KAREN LARSON, JOHN SPEED,

LESLEY TILSTON

FROM:

JOHN HART W

DATE:

(h

JULY 16, 1987

SUBJECT:

VOR SURVEY REVISITED

As you know we will be conducting a "mini" VOR Survey on Saturday July 18,1987 between the hours of 9:30 am and 12:30 pm.

Thanks once again for your continuing support in this activity. No survey activities are planned for the following day, Sunday, regardless of weather.

This survey will include only three locations:

Rt. 51 and Rt. 1A (John Speed, Bill Kollar)
Rt. 286 and Rt. 1A (Lesley Tilston, Karen Larson)
Beach Road and Rt. 1A (Ed Hartnett, Kathy Frank) Flacily a Solice of the Section (Control of the Section of

I will be moving between sites to assist as necessary.

Please meet in the Red Room by 8:30 Saturday morning. Equipment will be distributed at that time.

Vehicle Occupancy Rate Surveys Major Beach Access Roads

(1)

July 11, 1987		Veh	icles	Occup	ied b	У			
			cated						Mean
Location	Time	1	2	3	4	5	6	7+	Occupancy
Route 101E	9:00-10:00	172	182	54	40	16	6	1	2.03
Rt. 51	9:00-10:00	190	382	162	132	36	6	6	2.44
Rt. 286 (A)	9:00-10:00	213	307	91	63	22	5	6	2.15
Rt. 286 (B)	9:00-10:00	148	213	71	45	12	3	2	2.13
N. Boulevard	9:00-10:00	179	182	83	57	27	8	4	1.92
Plum Is. Topk	9:00-10:00	142	115	25	20	8	4		1.91
Rt. 101E	10:00-11:00	198	276	69	57	21		2 2	2.16
Rt. 51	10:00-11:00	166	373	155	128	34	12	6	2.49
Rt. 286 (A)	10:00-11:00	196	282	108	59	19	6	4	2.18
Rt. 286 (B)	10:00-11:00	172	303	89	44	22	5	3	2.15
N. Boulevard	10:00-11:00	199	358	126	69	32	13	4	2.24
Plum Is. Topk	10:00-11:00	177	265	45	23	10		1	1.94
Rt. 101E	11:15-12:00	188	310	35	61	15	6	2	2.14
Rt. 51	11:05-12:00	162	361	159	117	38	11	4	2.46
Rt. 286 (A)	11:00-11:55	258	365	104	74	17	7	2	2.09
Rt. 286 (8)	11:15-12:00	115	219	67	36	16	4	3	2.23
N. Boulevard	11:00-12:00	224	375	105	84	46	13	4	2.66
Plum Is. Tnpk	11:00-12:00	142	137	36	27	12	2	5	2.05
Rt. 101E	12:00- 1:00	213	338	90	76	20	4	2	2.14
Rt. 51	12:00- 1:00	164	357	136	101	41	12	5	2.45
Rt. 286 (A)	12:05- 1:00	231	337	116	72	26	11	4	2.21
Rt. 286 (B)	12:00- 1:00	172	276	82	49	15	3	4	2.12
N. Boulevard	12:00- 1:00	228	400	162	103	35	7	8	2.34
Plum Is. Topk	12:00- 1:00	178	203	69	28	16	7	1	2.04
July 18, 1987									
									Mean
Location	Time	1	2	3	4	5	6	7+	Occupancy
Rt. 51	9:30-10:30	132	420	114	90	52	13	6	2.48
Rt. 286 (A)	9:30-10:30	280	463	156	93	33	7	1	2.18
N. Boulevard	9:30-10:30	223	423	131	80	35	7	8	2.26
Rt. 51	10:30-11:30	167	473	168	163	69	20	9	2.62
Rt. 286 (A)	10:30-11:30	265	407	134	94	23	11	4	2.21
N. Boulevard	10:30-11:30	247	481	140	108	51	13	5	2.29
Rt. 51	11:30-12:30	148	389	142	122	49	12	7	2.53
Rt. 286 (A)	11:30-12:30	269	428	127	106	26	10	9	2.24
N. Boulevard	11:30-12:30	240	416	168	94	38	10	7	2.31

NOTE: A total of 30 buses were observed; the number of persons on buses ranged from apparent capacity to no passengers. These vehicles were not included in mean occupancy figures as numbers of passengers could not be accurately perceived from a curbside survey.

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5750	w 2 x	1/2	0H	F	153	68	67	08	06	1999	ROYAVRZYV 28 SEC	۸
	12.3 ~	li.		-		10	-		10	-	VSAT V2	1
ST 0850	W 2 X	1/2	+40	r	159	67	6/	09	08	000	ROYINRIOVIZ SEC	A
2	~ 3 X	7,	L		-	-	-		0.00	-	VSBT V2	K
09.32	~ 3 2	3/4	84		-	-	-	04	081	1000	ROYAVA35V 50 SEC	6
SA 09 FG	w/ 3 o/	3,4	1444		100	10	10	00	. 0		VSBY 3/4	-
20116	w 3 x	179	1/4		157	27	6/	09	07	1000	ROYRYRJEVYS SEC	A
\$ 1034	w4x	1	-	5	-	-	-	.=	00	500	Via: 44/107	-
5A 1050			+	F	100	71	10	-	081		ROYNVA 75	- /
11/130	-x ms ove	13	3	-	159	4	50	-	-		R041.VR.55	1
SA 1150		13	2	FH	156	77	10	15	DESCRIPTION OF THE		SFF F8 SFC VSHT 3	6
SP 1228	And the second s	13	2	-	1.00	11	67	-	08	-	H7 SEC VSAT 3	
SA 1752	-7 5 -OVC	14	2	H	152	43	49	driedly come	09		H4 SEC VSBT 3	-
1	1	-	-		124	av.	2/	17	01	(10	H3 SFC VSBT 4 /	1
72 509	31232 81407 10267 20	206 3	014	0 40152	58	00	5	705	44 0	6600	333 10217 20189=	
A 1350	-X 8-8xN	14	2	H	149	-	-	-	10		H3 SFC VSRY 4	-
B. NS2	the second state of the se	13	_	H				09	11	-	Ha sec vont	-
54 1550	-x	1.2		H	139	-	_	09	1/21	_	H4/314	
P 1600	-×	172	1	H	1	100	-	09	1/3		174 SE VSBY 172	
1		1	-	-				1	1	777	FB411830160	-
P 1607	-×	1/4		FH				09	1/21	99	POURUE BOY 60 "YEBY	
1				-							Su1-44 2 +H2 F6	-
A 1651	-×	1/4		FH	139	48	47	08	111	aa	AROYRUROSV35 F9	
F 1733	-X HI BEN	1/4		F	1	-			111	_	ROURILIONS F7	
4 1754	-X K' / BKN			F	124.	67	14.		11		POULURIANT F7	
8 1851	-X MI BKN	1/4		F	134	68	44	06	109	490	POLKVEZSVSO F7/S	0
1/											1600 30 CMH DEL	
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//	229 31168 6667 16200	2018	y 20	139 401	19 4	Si	00	74	14/	3200		
15 195	-XMZPENILEKN	1		F					06	99	SROYE, RECT FY	
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A 2003	X 2SCF MILZ BEN	E		F	149	6	16	03	061	199	1 F 3	
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र त्याप		2_		F				18	ich !	495	\$ FZ	
E 225	- a M is ove	179	1	FH	149	49	511		168	· PA	TE3 "THENELL & SECYSSY	12
שללש דיא		1		FH					109	lon/	F3 RIVERLES	

FM12-VII. Him - R-SAVV MddH 1s, TTT 2snTdTdTd 3PoPoPoPo APPPP Sepap ARRIN 7wwW1W2 BONCLCMCH plus represed and seriested date growth supersedes we in the Action to man serves.

WF OA		NWSFO TON, MA										
	SURFACE WEATHER OBSERY	04	1	9 JU	L 1987		TO COMMERT LST TO GHT					
fred (LTF.	SET AND CESLING	** *** ***	17 VEATHER	250.0		**	D+11	****	**	:	BERNARS AND SUPPLEMBITAL CODES BATA	100
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A 1652	250 - OYC	15					27				CHE GIL WHO 25 VSZ	1
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FM12-YII IIII - RIZNYY HEEFI IsaTTT ZanTdTdTd 3PoPoPoPo 4PPPP Soppy SRRRING Town MI W2 BM, CL CWCH plea regional and more acres done proupe.

Supplementation

**AUTOMORPHED Soppy SRRRING Town MI W2 BM, CL CWCH Plea regional and more acres done proupe.