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REPORT NO. UMTA-MA-06-0041-77-7

**FIELD TESTING OF A PULSE TRILATERATION AUTOMATIC
VEHICLE MONITORING SYSTEM IN PHILADELPHIA
Volume IV: Test Log Sheets**

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FINAL REPORT

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16. Abstract This report describes the Pulse Trilateration Automatic Vehicle Monitoring (AVM) system developed by Hazeltime Corporation, and presents results of the Phase I test program in Philadelphia. The Hazeltime system determines the position of mobile units by measuring the arrival times of the leading edges of vehicle pulse transmissions at a limited number of fixed receiver sites. Differences in time-of-arrival (TOA) of the transmissions are used by a central processor to compute the coordinates of the mobile units. Fixed signpost transmitters are used to improve time of passage accuracy at slow vehicle speed locations. The Hazeltime system covers fixed route, random route, and special-case situations, in both low- and high-rise regions, and provides the time-of-departure data for fixed route/bus transit applications. Data acquisition is automatic, with the basic data recorded on magnetic tape. Evaluation of the system's performance is provided by off-line simulation, which reflects the conditions and processing procedures proposed for the Phase II AVM tests in Los Angeles. The report is divided into four volumes. This volume accounts for aborted and excluded tests, and reproduces vehicle log sheets for all tests. Volume 1 is an Executive Summary of the Philadelphia test results. Volume 2, which represents the test results and data, describes the Hazeltime AVM system and the Philadelphia test configuration in detail, explains the data analysis and reduction techniques used, and proposes changes which would be made prior to Phase II. Volume 3 contains time point and location accuracy histograms for the tests discussed in Volume 2 (Section 4).					
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PREFACE

The work reported herein was performed for the Department of Transportation, Transportation Systems Center (DOT/TSC) in support of the Urban Mass Transportation Administration's (UMTA) research and development and testing of advanced location technologies suitable for multi-user vehicle systems.

Government representatives responsible for the overall management of the program and for directing the contractual work include Mr. D. Symes of DOT/UMTA and Messrs. B.E. Blood and B.W. Kliem of DOT/TSC.

Hazeltine personnel contributing to the program included: Messrs. A.R. Abraham, J. B. Cohen, W.L. Corrigan, F.R. Dayton, G.N. Kerness, P. Nikolados, J.F. O'Connor, A.H. Riccio, W.C. Rogoza, L.E. Smith, and S.M. Weinstein.

NOTE

During the winter of 1976-77, four different techniques for automatically locating land vehicles were tested in both the low- and high-rise regions in Philadelphia, PA. The tests were carried out by four different companies under separate contracts to the U.S. Department of Transportation, Transportation Systems Center. The tests were designed to evaluate the techniques for their applicability as location subsystems for automatic vehicle monitoring systems. This document represents one of the contractors' final report. A summary report of all systems tested is available as report No. UMTA-MA-06-0051-77-2.

Approximate Conversions to Metric Measures

Symbol	What You Know	Multiply by	To Find	Symbol
LENGTH				
in	inches	2.5	centimeters	cm
ft	feet	30	centimeters	cm
yd	yards	0.9	meters	m
mi	miles	1.6	kilometers	km
AREA				
in ²	square inches	6.5	square centimeters	cm ²
ft ²	square feet	0.09	square meters	m ²
yd ²	square yards	0.8	square meters	m ²
mi ²	square miles	2.6	square kilometers	km ²
	acres	0.4	hectares	ha
MASS (weight)				
oz	ounces	28	grams	g
lb	pounds	0.45	kilograms	kg
	short tons (2000 lb)	0.9	tonnes	t
VOLUME				
tsp	teaspoons	5	milliliters	ml
Tbsp	tablespoons	15	milliliters	ml
fl oz	fluid ounces	30	milliliters	ml
c	cups	0.24	liters	l
pt	pints	0.47	liters	l
qt	quarts	0.95	liters	l
gal	gallons	3.8	liters	l
ft ³	cubic feet	0.03	cubic meters	m ³
yd ³	cubic yards	0.76	cubic meters	m ³
TEMPERATURE (exact)				
°F	Fahrenheit temperature	5/9 (after subtracting 32)	Celsius temperature	°C

Approximate Conversions from Metric Measures

Symbol	What You Know	Multiply by	To Find	Symbol
LENGTH				
mm	millimeters	0.04	inches	in
cm	centimeters	0.4	inches	in
m	meters	3.3	feet	ft
km	kilometers	1.1	yards	yd
		0.6	miles	mi
AREA				
cm ²	square centimeters	0.16	square inches	in ²
m ²	square meters	1.2	square yards	yd ²
km ²	square kilometers	0.4	square miles	mi ²
ha	hectares (10,000 m ²)	2.5	acres	
MASS (weight)				
g	grams	0.035	ounces	oz
kg	kilograms	2.2	pounds	lb
t	tonnes (1000 kg)	1.1	short tons	
VOLUME				
ml	milliliters	0.03	fluid ounces	fl oz
l	liters	2.1	pints	pt
		1.06	quarts	qt
		0.26	gallons	gal
m ³	cubic meters	35	cubic feet	ft ³
		1.3	cubic yards	yd ³
TEMPERATURE (exact)				
°C	Celsius temperature	9/5 (then add 32)	Fahrenheit temperature	°F



TEST LOG SHEETS

1.1 INTRODUCTION

1.1.1 Contents. Volume IV consists of:

A list of the six aborted test runs together with an explanation of why each of these runs was terminated.

Identification and explanation of eight fixed route tests which were not included in the fixed route summations, and two others which were inadvertently omitted from the fixed route summations for the small triangle.

Vehicle log sheets which were filled out during each of the tests.

1.1.2 Description of Test Log Sheets. The information recorded on the log sheets provides the following documentation:

Test type (ie, fixed, random, suburban, etc) and number.

Date.

Time, vehicle transmitter power and fifth wheel reading at the start and end of the test.

Vehicle tape number and file number which contains the recorded data for that test.

Central tape number and file number for the recorded data.

Identification of personnel participating in the test (including the TSC witness and Hazeltine personnel in the vehicle and at the central site).

Indication (for fixed route tests), for each of the 15 timepoints, of whether the vehicle stopped (with a door-open, door-close sequence) at, or passed by, the signpost.

Comments.

1.1.3 Index of Test Log Sheets. The log sheets for the 34 official fixed route tests are printed on pages 2 through 37.

Pages 39 through 44 are the data sheets for the six official random route tests (test #6 was conducted after the zero-fill fix).

The log sheets for the trilateration suburban route tests are found on pages 46 through 62. The original 41 tests were conducted before

the zero-fill fix, and the 15 supplemental tests were run after that modification.

Pages 64 through 76 are the data sheets for the twelve underpass tests.

The two high-speed test log sheets may be found on pages 77 and 78.

Pages 81 through 85 contain the log sheets for the five special random route tests.

Log sheets for the 30 special fixed route tests (B) (Market, 13th, Spring Garden, Ridge, Race and 6th) are on pages 87 through 116.

Pages 118 through 137 are the log sheets for the 28 special fixed route tests (C) near the 30th St. Station.

Log sheets for the 25 special fixed route tests (A) (Pine, 7th and Walnut) may be found on pages 140 through 164.

Pages 166 and 167 are the log sheets for the two special Juniper St. route tests which complete the vehicle log sheets.

1.2 ABORTED TESTS

The following paragraphs identify the aborted test runs and the reasons for terminating particular test runs. Also included is the location performance of a fixed route run that was aborted because of adverse weather conditions and the abnormal functioning of the vehicle equipment.

Test #4 of the fixed route test was aborted because excessive noise bursts were noted on the oscilloscope connected to the output of the vehicle transponder receiver. The test was conducted during a heavy rain storm accompanied by lightning. The gasoline engine driven 120 VAC generator was also noted to emit excessive rf noise during wet weather. The log sheet shows many false signpost decodes, several message error indications and a number of lost tracks. The Execution Output of the computer processing confirms those conditions of abnormality.

What is interesting is that the processed data up to the aborted event showed reasonable location accuracy histograms for both small and large triangles. There were many high valued errors noticed along Pine Street after the filtering and "on-route" correction processes for the small triangle configuration. In contrast, there were very few large valued errors, and none greater than 686 feet, along Pine detected by the large triangle configuration. Figure 1 shows the radial errors for both the small and large triangle processing utilizing all 10 second data samples (257). The small triangle LAC configuration percentiles were 171 feet (50%), 282 feet (68%) and 1220 feet (95%) vs 141 feet (50%), 229 feet (68%) and 520 feet (95%) for the large triangle HAC. The filtering process apparently removed all of the large valued errors from the data sample of the large triangle.

It appears the noise condition was local to the vehicle, affecting the reception of the central control synchronization signals and did not affect the reception of the vehicle transmission at the fixed receiver sites. The noise at the vehicle extended over a relatively short period of time and did not produce any error in the time of day recorded on board the vehicle. This time is normally updated by the central control time message transmission.

Test #12 (see page 13) of the fixed route tests was terminated at 2311 hours on 2/26/77 following observation of a continuous message error indication in the vehicle around event 14. It was discovered that the Central Site time was 40 seconds behind the vehicle time. (The data recorded on the two tapes could not have been correlated without a common real time base.)

Since the times agreed at the beginning of the test, it is believed that some isolated abnormality caused the Central I.U. clock to stop incrementing for 40 seconds. It is noted that the Vehicle I.U. was designed in such a way that its time could not be normally set in the middle of a run (in order to prevent inadvertently doing so and thereby ruining a run) without ending the file.

Fixed Route Test #21 (page 23) was aborted after event 45 on 2/28/77 based on indications in the vehicle of excessive message errors, and sync and track loss together with abnormal video output observed from the transponder.

The transponder was removed from the vehicle for troubleshooting and it was found that the malfunction had been caused by the local oscillator ceasing operation due to mistuning by a loose slug which had changed position from vibration. Retuning the local oscillator restored normal operation.

Test #24 (page 26) of the fixed route tests was stopped at 1558 hours on 3/1/77 because the Central Site observed a lapse in the reception of data from the vehicle (via the Fixed Sites) shortly before event 46; message errors and abnormal light indications (evidence of improper transponder operation) were also observed in the vehicle.

These light indications included: syncopated sync, track without any sync for 10 seconds or more, signpost light acting like the sync light (with no sync light). A loose wire end was found in the vicinity of U51-pin 13 on the XP logic board in the vehicle I.U. however, operation was still not correct and was sensitive to tapping or twisting that board. After shaking and rapping the board hard several times, the problem disappeared and never recurred.

It was apparently a shorting sliver of wire somewhere on the board which was really never found.

Fixed Route Test #32 (page 35) was terminated at 1105 hours on 3/2/77 when it was learned that the Central Site Interface unit had temporarily stopped operating.

The Central I.U. was found to be susceptible to static discharge caused by persons walking on the carpet in the Holiday Inn room, which was very dry, and touching the unit, causing it to stop functioning. This problem would of course be solved in any operational unit.

Test #37 (page 47) of the suburban route test plan data tests was terminated on 2/15/77 after the Central Site Interface Unit operation ceased temporarily.

This cessation of operation was caused by a static discharge problem as described in the preceding paragraph.

1.3 TESTS NOT INCLUDED IN FIXED ROUTE SUMMATIONS (ID 216 and 217)

In addition to the terminated runs, the following fixed route tests are missing from both ID 216 and 217:

<u>Test</u>	<u>Comments</u>
14, 15, 16	These tests were originally processed as ID #8, #9 and #10. There was a notation in the ID book that there was "bad data on tape", so they were not included in the summations. However, a subsequent attempt to process this pair of tapes (part of ID #250 and 251) was successful, and the resulting time point passage errors are included in histogram "TPSPC" for 216 and 217 (figure 2).
19	This test was previously run as ID #98 which showed that site 4 (Landis Hospital) stopped reporting after event 85. Because of this earlier problem, test 19 was omitted from the list of tests to be processed under ID #216 and #217.
27	This test was previously processed as ID #6 which yielded hung data after event 48 (perhaps related to midnight time rollover).

TestComments

- 30 The printout (from CITIBANK) for ID #216 indicated many problems with Central Site time and exited in a very strange fashion (jumping events). However, when the tapes were later run at Greenlawn for ID #217, this problem did not show up, but it stopped after event 43. (The ID #216 problem was probably a malfunctioning mag tape drive at CITIBANK.) Although the test 30 data could have been included in ID #217, it was not because it was not usable data in ID #216.
- 33 Attempts to process this run were unsuccessful because of the lack of data on the central site tape.
- 34 This test could not be successfully read at CITIBANK as part of the ID #216 processing. It was thought that the tape (or at least the file) had been corrupted and that the data could not be retrieved, so it was also eliminated from the ID #217 processing requests. It was later learned that the file could be read at Greenlawn and that the CITIBANK mag tape drive had apparently been malfunctioning. This run was subsequently processed as part of ID #250 and #251, and the time point passage errors only are included in Figure 2.

The following tests were inadvertently omitted from the processing of ID #217.

- 29 This test should have been included in its entirety.
- 31 Although the data hung after event 29 (due to a time slot problem), it could have been included up to event 29.

The results of the subsequent processing of runs 14, 15, 16, and 34 were included in time point passage error histogram "TPSP-C" (figure 2), adding significantly to the number of sample points. (They were not added to the location accuracy histograms because the larger number of check point samples was already sufficient.)

Figure 2 does not include the time point errors for runs 5 through 9. The reason for their elimination is that a review of the printouts revealed that there were excessive false signpost decodes during these runs. It is noted that runs 5 through 9 took place

Comments

during the day and a half following our observation of excessive noise from the transponder during the severe rain, lightning, and thunderstorm of run #4 (page 5) on 2/24/77. It is believed that the motor generator set continued to generate excessive noise during this 1½ day drying out period. In fact, during the process of checking the condition of signpost #1 in front of the Art Museum 2/25, the day after run #4, numerous false signpost decode indications were observed on the front panel of the Vehicle Interface Unit while driving around the Art Museum circle. In view of these conditions, it is believed that the histograms of figure 2 are more representative of the true performance of the Hazeltine AVM system.

In addition, both histograms show that one time point had a time error greater than +60 seconds (actually 68 seconds early), which occurred at event #84 (TP12) during run #3. An examination of the printouts for that run shows that the signpost was detected while waiting for a traffic light before making the left turn (event 83) from 18th Street onto JFK Blvd. The log sheet for run #3 (page 4) confirms this occurrence. Greater care in signpost siting and adjustment would eliminate such problems in future installations.

LOG SHEETS
FIXED ROUTE TESTS

PHILADELPHIA 2nd ROUTE TEST

DATE 2/24/77 VEHICLE; TAPE # 11 FILE # 1 TEST # 1 PAGE 1 OF 1

CENTRAL: TAPE # 14 FILE # 1 TEST # 1

START : TIME 10:12:37 PWR 27.9 STEER WHEEL RDG. ZERO

END : TIME 11:35:09 PWR 28.5 STEER WHEEL RDG. 71782.1

HARVESTING PERSONNEL : VEHICLE G.K., F.D., F.B. CENTRAL A.R.

WITNESSED BY R. KLIEM

SIGNPOST PASSAGE : C (STOP) OR P (PASS)

17	S	5:24	S	5:42	P	5:55	S	6:06	P	11:79	S	13:92	S	15:110
2:13	P	5:31	S	5:48	P	6:01	S	6:12	S	12:84	P	13:101	P	P
EVENT		COORDINATES												

7 LOST TRACK THE INSTANT THE SIGNPOST WAS PASSED.

12 ENTERED 1/2 SECOND PREMATURELY.

NO ENTRY ERRORS R. KLIEM 2/24/77

PHILADELPHIA Fixed ROUTE TEST

DATE 2/24/77 VEHICLE: TAPE # 11 FILE # 2 TEST # 2 PAGE 1 OF

CENTRAL: TAPE # 14 FILE # 2 TEST # 2

START : TIME 11:44 PWR 285.164 5TH WHEEL RDG. ZERO

END : TIME 1309 PWR 5TH WHEEL RDG. 71080

HAZELTINE PERSONNEL: VEHICLE G.K. A.D. CENTRAL A.R.

WITNESSED BY B. KLIEM

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) P	3 (24) P	5 (42) S	7 (55) P	9 (66) S	11 (74) S	13 (92) D	15 (116) S
2 (13) S	4 (31) P	6 (48) P	8 (61) S	10 (72) P	12 (84) S	14 (101) P	
EVENT	COMMENTS						

EVENT 7 ENTERED TWICE - REFER "8" TO LOG ENTERED

48 ENTERED TWICE - REFER "48" TO LOG ENTERED -

52 LOST TRACK MOMENTARILY *

68 MISSED ENTERING JUNIPER CHECKPOINT

34 ON LEAVE POINT (NOT ENTERED) - REFER TO LOG "8" ENTERED -

B. KLIEM 2/24/77

Signpost #1 was found to be dead.

Signpost #15 is about 150 ft. north of the road, but not visible to traffic.

PHILADELPHIA Field ROUTE TEST

DATE 2/29/77 VEHICLE: TAPE # 11 FILE # 3 TEST # 3 PAGE 1 OF 1

CENTRAL: TAPE # 1-1 FILE # 3 TEST # 3

START : TIME 15:44 PWR 28.5kW 5TH WHEEL RDG. ZERO

END : TIME 16:56 PWR 28.5kW 5TH WHEEL RDG. 71136

HAZARDING PERSONNEL : VEHICLE G.K., F.D. CENTRAL A.R., G.H.

WITNESSED BY B. KLIEM

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) S	3 (24) P	5 (42) P	7 (55) S	9 (66) P	11 (75) P	13 (82) P	15 (110)
2 (13) S	4 (31) S	6 (48) P	8 (61) S	10 (72) S	12 (84) P	14 (101) P	
EVENT	COMMENTS						

7- SIGNPOST #1 - NOT REPORTING -

63 - QUESTION IF TRUCK WHEEL WAS ON 67 OR 68 FOR EVENT # 63
REFER TO LOG ENTERED FOR # 63.

83-84 RECEIVED SIGNAL ON 1st OFFR AND AGAIN AT JER 1231

S/Klin 2/29/77

PHILADELPHIA Field ROUTE TEST

DATE 2/24/77 VEHICLE: TAPE # 12 FILE # 1 TEST # 4 PAGE 1 OF 1

CENTRAL: TAPE # 15 FILE # 1 TEST # 4

START : TIME 17:54 PWR 28.5 5TH WHEEL RDG. C

END : TIME 17:59 PWR 28.5 5TH WHEEL RDG. 27857.5

HARVESTING PERSONNEL : VEHICLE ENR/FAD CENTRAL AHR

WITNESSED BY B. KLIEM

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1(7) S	3(29) P	5(42) S	7(55) S	9(66)	11(78)	13(92)	15(110)
2(13) P	4(31) S	6(48) S	8(61)	10(72)	12(84)	14(101)	
EVENT	COMMENTS						

BETWEEN 3 AND 4 SIGNPOST LIGHT ~~WAS~~ BLINKED - OBSERVED TWICE

7 - DID NOT RECEIVE 1ST SIGNPOST -

BETWEEN 10 + 11 SIGNPOST LIGHT BLINKED -

28 - SEVERAL MESSAGE ERRORS OBSERVED

29 - LOST TRACK - GOT SIGNPOST BLINK + MESSAGE ERROR -

32 - LOST TRACK + SYNC - 37 - LOST TRACK

ENGINE WAS STOPPED - NO

DET RIMONTAL EFFECT

CENTRAL TRANSMITTER POWER

SEVERAL 27.5 JOLTS

HEAVY RAIN

NOISE ON SCOPE

FREQUENT NOISE BURSTS

ON SCOPE

TEST ABORTED 17:57:00 LIGHTNING STORM!

Bernard W. A. Kliem 2/24/77

JIM O'NEILL AGREED TO CONDUCT A SPECIAL INVESTIGATION TO SOLVE THE WIDE AREA SYSTEM NOISE!

BR.

PHILADELPHIA FIXED ROUTE TEST

DATE 2/25/77 VEHICLE: TAPE # 3 FILE # 1 TEST # 5 PAGE 1 OF 1

CENTRAL: TAPE # 16 FILE # 1 TEST # 5

START : TIME 15:54 PWR 28.3 5TH WHEEL RDG. 6

END : TIME 17:43 PWR 28.3 5TH WHEEL RDG. 71244.5

HARVESTING PERSONNEL : VEHICLE Attn, GM, 2 Wagon CENTRAL F D

WITNESSED BY B. KLEIM - KLIEM

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) S	3 (24) S	5 (42) P	7 (55) S	9 (66) P	11 (78) S	13 (92) P	15 (110)
2 (13) P	4 (31) P	6 (48) P	8 (61) S	10 (73) S	12 (84) P	14 (101) P	
EVENT	COMMENTS						

7 THE FOLLOWING HEADER LIGHTS CAME UP HEADER, READY, 800 GAD

18 SIGNPOST LIGHT DID NOT COME UP! > 17 MPH

69 LOSS OF TRACK FOR 10 SEC. AND FREQUENT MESSAGE ERRORS

71 REFER TO LOG NO. 71 NOT ENTERED IN TIME

75 LOSS OF TRACK FOR 2 SEC.

— WEATHER DRY - TRAFFIC - RUSH HOUR —

98 ENTERED 30' LATE —

110 - NO SIGNPOST MOUNTED - NO DATA TO BE ANALYZED

B. K. KLIEM 2/25/77

PHILADELPHIA FIXED ROUTE TEST

DATE 2/25/77 VEHICLE: TAPE # 13 FILE # 2 TEST # 6 PAGE 1 OF 1

CENTRAL: TAPE # 16 FILE # 2 TEST # 6

START : TIME 18:12 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 19:26 PWR 28.5 5TH WHEEL RDG. 76904.3

HAZELTINE PERSONNEL : VEHICLE AHR, G.M., DRIVER CENTRAL FD

WITNESSED BY B. KLIEM

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) P	3 (24) P	5 (42) S	7 (63) P	9 (84) S	11 (73) P	13 (34) S	15 (110) S
2 (13) S	4 (31) S	6 (58) S	8 (61) P	10 (72) P	12 (84) S	14 (101) S	
EVENT		COMMENTS					

- ROADS DRY - WEATHER CLEAR -

8 - TRACK OUT - DRIVER CREEPED AND SIGN WAS APPROX 5' AWAY

28 - MESSAGE ERRORS & TRACK LOSS

34 - FREQUENT MESSAGE ERRORS

41 - MARKED LATE

47 - TRACK OUT -

57 - DELAYED ENTRY x 20'

63 TRACK LOSS - MESSAGE ERROR AND FALSE SIGNPOST INDICATION

70 - ENTRY EARLY BY x 20'

92 - SIGNPOST BLINKED = 30 SEC + TRACK LOSS @ 93 + MESSAGE ERRORS

110 - NO SIGNPOST MOUNTED - DOOR OPEN/CLOSE USED!

B. W. A. Kliem 2/25/77

For 1st 6 filed route tests, TP event was entered at physical sign post rather than at door closure.

PHILADELPHIA 7th ROUTE TEST

DATE 2/26/77 VEHICLE: TAPE # 16 FILE # 12 TEST # 7 PAGE 1 OF 1

CENTRAL: TAPE # 17 FILE # 12 TEST # 7

START : TIME 09:42 PWR 28.3dBW 5TH WHEEL RDG. 0

END : TIME 11:12 PWR 28.3dBW 5TH WHEEL RDG. 71172

HAZELTINE PERSONNEL: VEHICLE JRC M & FRT CENTRAL AR

WITNESSED BY B. Klien, B. Blood

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) S	3 (24) S	5 (12) P	7 (55) S	9 (65) S	11 (79) S	13 (92) P	15 (110) S
2 (13) P	4 (31) P	6 (48) S	8 (61) P	10 (72) P	12 (84) P	14 (101) P	
EVENT		COMMENTS					

CLEAR, ROADS DRY - TRAFFIC CONDITIONS LIGHT -

0 - START HEADER GAVE EOP INDICATION - CHANGED TO FILE #2

13 - SIGNPOST LIGHT DID NOT LIGHT - SPEED $\approx$ 17 MPH

28 - TRAIL LOSS -

74 - REFER TO LOG - MISSED ENTRY OF CHECKPOINT

78 - MIGHT HAVE DEPRESSED SWITCH "ENTER" TWICE

110 - SIGNPOST NO. 15 NOT MOUNTED - STOPPED

B. Klien 2/26/77

PHILADELPHIA Fixed ROUTE TEST

DATE 2/26/77 VEHICLE: TAPE # 16 FILE # 3 TEST # 8 PAGE 1 OF 1

CENTRAL: TAPE # 17 FILE # 3 TEST # 8

START : TIME 11:53 PWR 28.4dbu 5TH WHEEL RDG. 0

END : TIME 1317 PWR 28.5 5TH WHEEL RDG. 71002

HABELTINE PERSONNEL : VEHICLE FRD, JBC, DRIVER CENTRAL GK

WITNESSED BY B. Blood, D. SHES, B. KUEN

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1(7) P	3(21) P	5(42) S	7(56) P	9(66) S	11(73) P	13(82) S	15(110) S
2(13) S	4(31) S	6(48) P	8(61) S	10(72) S	12(84) S	14(101) P	
EVENT	COMMENTS						

HIGH OVERCAST, DRY ROADS, TRAFFIC CONDITION LIGHT

55 - MISSED SIGNPOST #7 - SPEED = 18 MPH

66 - MISSED SIGNPOST #8 - SPEED = 14 MPH

B. Kuen 2/26/77

PHILADELPHIA 3.1 ROUTE TEST

DATE 2/25/77 VEHICLE: TAPE # 11 FILE # 4 TEST # 12 PAGE 1 OF 1

CENTRAL: TAPE # 11 FILE # 4 TEST # 12

START : TIME 14:54 PWR 285 5TH WHEEL RDG. 0

END : TIME 16:47 PWR 285 5TH WHEEL RDG. 7105V

HAZELTINE PERSONNEL : VEHICLE JRC, FID CENTRAL JRC, A-C

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

14. S	3. S	5. S	7. S	9. P	11. S	13. S	15. S
2. P	4. P	6. S	8. S	10. P	12. S	14. P	
EVENT	COMMENTS						

14. entrance at the top (35 ft. hgt)

15. road cut 2 x 4 ft.

out to central 522
B. Kline 2/26/77

PHILADELPHIA 5th ROUTE TEST

DATE 2/20/77 VEHICLE: TAPE # 17 FILE # 1 TEST # 10 PAGE 1 OF 1

CENTRAL: TAPE # 17 FILE # 1 TEST # 10

START : TIME 16:51 PWR 285 5TH WHEEL RDG. 0

END : TIME 18:12 PWR 285 5TH WHEEL RDG. 20911

HAZELTINE PERSONNEL : VEHICLE JRC FAD CENTRAL RM

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1:00 P	3:24 P	5:42 S	7:14 P	9:46 S	11:17 P	13:12 P	15:11 S
2:05 S	4:00 S	6:01 S	8:01 P	10:11 P	12:14 P	14:04 S	
EVENT	COMMENTS						

2/20/77

PHILADELPHIA 4th ROUTE TEST

DATE 2/26/77 VEHICLE: TAPE # 1 FILE # 1 TEST # 11 PAGE 1 OF 1
CENTRAL: TAPE # 1 FILE # 1 TEST # 1

START : TIME 4120 PWR 273 5TH WHEEL RDG. C

END : TIME 2345 PWR 154 5TH WHEEL RDG. 7100

HARLETHIE PERSONNEL : VEHICLE TFC G M FRD CENTRAL TSC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	S	3	P	5	P	7	P	9	P	11	P	13	P	15	S
2	P	4	S	6	S	8	S	10	S	12	S	14	S		
EVENT		COMMENTS													

12 noted to pass "Philadelphia" at "Lebanon" at actual point.

31 Further to edge, "Lebanon" noted.

done during R. R. 2/26/77

PHILADELPHIA Field ROUTE TEST

DATE 2/26/77 VEHICLE: TAPE # 18 FILE # 2 TEST # 12 PAGE 1 OF 1

CENTRAL: TAPE # 19 FILE # 2 TEST # 12

START : TIME 2256 PWR 28.4 5TH WHEEL RDG. 0

END : TIME 2311 PWR 28.4 5TH WHEEL RDG. 95-7.2

HAZELTINE PERSONNEL : VEHICLE FD, JO, SM CENTRAL JO

WITNESSED BY B. KUEH

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 P	3 —	5	7	9	11	13	15
2 S	4 —	6	8	10	12	14	
EVENT		COMMENTS					

14 Vehicle was seen on highway going
calling Central Control and advised the vehicle
was discharged from hospital
∴ must not record vehicle

RUN TERMINATED - CONCUR B. Kueh 2/26/77

PHILADELPHIA Sub 1 ROUTE TEST

DATE 2/26/77 VEHICLE: TAPE # 18 FILE # 2 TEST # 15 PAGE 1 OF 3
2/27/77 CENTRAL: TAPE # 17 FILE # 3 TEST # 13

START : TIME 23:20 PWR 23.3261 5TH WHEEL RDG. 0

END : TIME 01:02 PWR 28.3 5TH WHEEL RDG. 71018

HARLETHIN PERSONNEL : VEHICLE FD, 30, 64 CENTRAL JC

WITNESSED BY R. K. I. E. H.

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	P	3	S	5	S	7	S	9	P	11	S	13	S	15	S
2	S	4	P	6	P	8	P	10	S	12	P	14	S		
EVENT		COMMENTS													

17 Intersect 20. Not only

49 Intersect 20. Not only

30 Intersect 70. Not only. Intersect 70. Not only.

○ R. K. I. E. H. 2/27/77

PHILADELPHIA Exel Route ROUTE TEST

DATE 02/27/72 VEHICLE: TAPE # 20 FILE # 1 TEST # 14 PAGE 1 OF 1

CENTRAL: TAPE # 21 FILE # 1 TEST # 14

START : TIME 1545 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1656 PWR 26.3 5TH WHEEL RDG. 70960

HAZELTINE PERSONNEL : VEHICLE CM, JC CENTRAL JO, FD

WITNESSED BY B.K. Joseph STSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

15	33	55	75	95 *	115	135	155
21	47	6P	8P *	10P	12P *	14P	
EVENT	COMMENTS						

8 marked at sign post
marked again at the right place with the

marked 41 mark.
entered 42 twice 1st time early
2nd time correct with

TP 8 18 m/hr. no light.

TP 9 10 m/hr. no light

TP 12 14 m/hr. no light

TP 15 not up yet

PHILADELPHIA Ed ROUTE TEST

DATE 2/27/77 VEHICLE: TAPE # 20 FILE # 2 TEST # 15 PAGE OF

CENTRAL: TAPE # 21 FILE # 2 TEST # 15

START : TIME 1657 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1814 PWR 28.3 5TH WHEEL RDG. 70902

HAZELTINE PERSONNEL: VEHICLE GM. TC CENTRAL FD

WITNESSED BY BK [Signature] SEC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

289 1.11 10.10

○ Leaving

Notes to home tape

PHILADELPHIA F-200 ROUTE TEST

DATE 07/27/17 VEHICLE: TAPE # 21 FILE # 3 TEST # 16 PAGE OF

CENTRAL: TAPE # 21 FILE # 3 TEST #

START : TIME 1819 PWR 28.3 5TH WHEEL RDG.

END : TIME 1926 PWR 28.3 5TH WHEEL RDG. 70.4

HAZELTINE PERSONNEL : VEHICLE 506 6-11 CENTRAL 5 D

WITNESSED BY 1. K. [Signature] 75C

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	5	3	5	7	9	11	13	15
2	6	4	6	8	10	12	14	16
EVENT		COMMENTS						

Refer to log. 4. [Signature]

5TH wheel read 45.17 per start

11.54 9 m/hour

PHILADELPHIA Fixed ROUTE TEST

DATE 2/24/77 VEHICLE: TAPE # 21 FILE # 1 TEST # 17 PAGE 1 OF 1

CENTRAL: TAPE # 22 FILE # 1 TEST # 17

START : TIME 0855 PWR 28.4 5TH WHEEL RDG. 0

END : TIME 1026 PWR 5TH WHEEL RDG. 71235

HAZELTINE PERSONNEL: VEHICLE G M FORD CENTRAL IBC

WITNESSED BY J. P. L. B. S. & S. C.

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1171 S	3124 S	5121 S	7153 S	9161 S *	11211 P	13121 S	15121 S
2151 P	4151 P	6151 P	8161 P	10171 S	12181 P *	14191 P *	
EVENT	COMMENTS						

59

Left on ramp to 40th

61

Signpost #9 is dead (no power to A.V.)

84

Left on ramp to 1st (Lancaster)

01

Signpost #14 is dead

At the end of the run we put signpost #12
back up at TP 15 (110').

We put back signpost #107 (TP 966) & took down
signpost #112.

PHILADELPHIA 2nd ROUTE TEST

DATE 2/28/77 VEHICLE: TAPE # 21 FILE # 1 TEST # AK PAGE 1 OF

CENTRAL:TAPE# 22 FILE# 2 TEST# 18

START : TIME 1315 PWR 285 5TH WHEEL RDG. 0

END : TIME 1445 PWR 28.5 5TH WHEEL RDG, 71611

HAZELTINE PERSONNEL: VEHICLE _____ CENTRAL _____

WITNESSED BY James H. [unclear] FSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (71) P	3 (24) P	5 (22) P	7 (55) P	9 (66) P	11 (99) P	13 (22) P	15 (21) Y
2 (31) S	4 (31) S	6 (41) S	8 (61) S	10 (77) S	12 (22) S	14 (21) S	
EVENT		COMMENTS					

72. Long Lifford Lough - TP¹³ (C.R.C. Group)
116 " " " " " TP/5 (")

PHILADELPHIA Ind ROUTE TEST

DATE 1/25/77 VEHICLE: TAPE # 41 FILE # 5 TEST # 19 PAGE 1 OF

CENTRAL: TAPE # 22 FILE # 3 TEST # 19

START : TIME 1503 PWR 24.5 5TH WHEEL RDG. 6

END : TIME 1635 PWR 28.5 5TH WHEEL RDG. 71414

HAZELTINE PERSONNEL: VEHICLE FD CM CENTRAL JC

WITNESSED BY JH Joseph P. Herlihy TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 S	3 S	5 S	7 S	9 S	11 S	13 S	15 S
2 P	4 P	6 P	8 P	10 P	12 P *	14 P *	

EVENT

COMMENTS

54

late marking by 40 ft

55

late door close and by 20 ft

0

TP 12 no light 1.2 m/hr.

503

marked twice

PHILADELPHIA Ind ROUTE TEST

DATE 4/25/77 VEHICLE: TAPE # 54 FILE # 1 TEST # 20 PAGE 1 OF

CENTRAL: TAPE # 24 FILE # 1 TEST # 20

START : TIME 1742 PWR 285 5TH WHEEL RDG.

END : TIME PWR 5TH WHEEL RDG.

HAZELTINE PERSONNEL: VEHICLE (C) M) FRD CENTRAL TBC

WITNESSED BY Joseph P. Borlitz & SC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

When we get into the white
10 put on in ELF material. If we get
we will make that 20 light in (but
white & red)

PHILADELPHIA 7-1 ROUTE TEST

DATE 7/26/77 VEHICLE: TAPE # 24 FILE # 2 TEST # 20 PAGE 1 OF

CENTRAL: TAPE # 24 FILE # 2 TEST # 20

START : TIME 1746 PWR 28.5 5TH WHEEL RDG.

END : TIME 1859 PWR 28.5 5TH WHEEL RDG. 70911

HAZELTINE PERSONNEL: VEHICLE (M) FED CENTRAL TBC

WITNESSED BY Joseph P. Berlioz & SC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 7:47 P	3 7:47 P	5 7:47 P	7 7:47 P	9 7:47 P *	11 7:47 P	13 7:47 P	15 7:47 P
2 17:50 S	4 17:50 S	6 17:50 S	8 17:50 S	10 17:50 S	12 17:50 S	14 17:50 S *	
EVENT		COMMENTS					

45 Extended L 12 1/2 L Extended Lane Pointed L and heat

51 Extended only " " " " " "

66 Extended 1/2 Lignier light (Lignier 1/2)

001 Lignier dead

PHILADELPHIA Ind ROUTE TEST

DATE 2/24/77 VEHICLE: TAPE # 24 FILE # 3 TEST # 21 PAGE 1 OF

CENTRAL: TAPE # 24 FILE # 3 TEST # 21

START : TIME 2000 PWR 28.5 5TH WHEEL RDG. C

END : TIME PWR 5TH WHEEL RDG.

HABELTIN PERSONNEL: VEHICLE FRD GM PC CENTRAL

WITNESSED BY Joseph A. Berli & SC

SIGNPOST PASSAGE: S (STOP) OR P (PASS)

1 S	3 S	5 S	7	9	11	13	15
2 P	4 P	6	8	10	12	14	
EVENT	COMMENTS						

13 Entered into early PCH Lane PCH (noted correct)

13 Event 2 Signpost before intersection (may have come in with 100 mph)

19 During the run down 10th, the 100 mph sign came on suddenly (unusual)

In PCH the 100 mph sign came on more frequently, it was high, but took a bit longer.

The 100 mph sign came on more with the 100 mph sign was on the 100 mph sign.

The 100 mph sign was on the 100 mph sign. At the end of the run, the 100 mph sign was on the 100 mph sign. The 100 mph sign was on the 100 mph sign.

PHILADELPHIA Line ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 22 FILE # 1 TEST # 22 PAGE 1 OF 1

CENTRAL: TAPE # 25 FILE # 1 TEST # 22

START : TIME 10:41 PWR 34.3 5TH WHEEL RDG. C

END : TIME 12:14 PWR 5TH WHEEL RDG. 71.477

HABELTINE PERSONNEL: VEHICLE LEB FRD KPC CENTRAL IBC

WITNESSED BY Joseph P. Healy TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1. 7. 9	3. 24. 5	5. 21. 5	7. 55. 5	9. 00. 5	11. 27. 5	13. 22. 5	15. 00. 5
2. 13. P	4. 31. P	6. 44. P	8. 61. P	10. 20. P	12. 34. P	14. 11. P	

EVENT

COMMENTS

31

Lighted tape - did not move

10

Two trains - all stopped

Entered and then - back as indicated first

PHILADELPHIA Inde ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 22 FILE # 2 TEST # 23 PAGE 1 OF

CENTRAL: TAPE # 25 FILE # 2 TEST # 23

START : TIME 1317 PWR 28.7 5TH WHEEL RDG.

END : TIME 1506 PWR 28.7 5TH WHEEL RDG. 71002

HAZELTINE PERSONNEL : VEHICLE RFB, FRT, RDC CENTRAL

WITNESSED BY Joseph P. Harty, Jr. TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1(2) P	3(24) P	5(22) P	7(55) P	9(66) P	11(28) P	13(22) P	15(25) P
2(13) S	4(31) S*	6(47) S	8(61) S	10(72) S	12(84) S	14(101) P	

EVENT

COMMENTS

31

Signpost #4 is dead

43

Entered lane - ^{about 25 ft.} ~~exit~~ ^{11 ft.} from 104

PHILADELPHIA Ind ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 21 FILE # 3 TEST # 21 PAGE 1 OF 1

CENTRAL: TAPE # 25 FILE # 3 TEST # 20

START : TIME 1519 PWR 590 5TH WHEEL RDG.

END : TIME 1558 PWR 5TH WHEEL RDG.

HAZELTINE PERSONNEL : VEHICLE REF FAD PC CENTRAL

WITNESSED BY Joseph P. Ellis & SC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	S	3	S	5	S	7		9		11		13		15
2	P	4	S	6		8		10		12		14		
EVENT		COMMENTS												

21 had a sign

Right at the morning turn onto 13th (west) we got a call
from Central asking if we had been stopped in back.
As we started west - they had all the time 2-3
minute period. We had average view of street
light indication, appropriate signs, traffic without signs
for 2 seconds or more, signpost light active like the
sign light (with no sign light) 11

Transmitted the info

451-13

PHILADELPHIA 21st ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 25 FILE # 1 TEST # 25 PAGE 1 OF 1

CENTRAL: TAPE # 26 FILE # 1 TEST # 25

START : TIME 20.31 PWR 28.5 5TH WHEEL RDG. 0

END : TIME 21.43 PWR 28.5 5TH WHEEL RDG. 71102.3

HAZELTINE PERSONNEL: VEHICLE G.M. E.S. CENTRAL A.R.

WITNESSED BY Joseph P. H. (TSC)

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 S	3 S	5 S	7 S	9 S	11 S	13 S	15 S
2 P	4 P	6 P	8 P	10 P	12 P	14 P	16 P
EVENT		COMMENTS					

* NO LIGHT AT #4 10 MPH

* " " " 14 7 "

PHILADELPHIA FIELD ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 25 FILE # 2 TEST # 4 PAGE OF

CENTRAL: TAPE # 26 FILE # 2 TEST # 26

START : TIME 21.47 PWR 21.5 5TH WHEEL RDG. C

END : TIME 23.05 PWR 21.5 5TH WHEEL RDG. 70868.1

HAZELTINE PERSONNEL: VEHICLE DOM B'S JUEL CENTRAL ARICCO

WITNESSED BY Joseph P. Kelly

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 P	3 P	5 P	7 P	9 P	11 P	13 P	15 P
2 S	4 S	6 S	8 S	10 S	12 S	14 S	16 S
EVENT	COMMENTS						

* NO LIGHT AT #4 S drift to stay
 PER TO LOG MARK 74 AHEAD OF TRUCK (FOR LOC. 73)

○ (log probably was right: no 2's class to #79
 no 79 is correct SIGN POST
 [Per. no 73 entry & 2 79 entries (74 thru 79 should be 75 thru 78)]

Ref to log #2 (missed H.E.C)

* NO LIGHT AT #14 S drift - to stay

105 - 106 ELCHIT CARRA APPROX + 1
 2ND H 107 IS OK [Per. no 105 & 2 107 entries should be 105, 106 & 107]

* NO LIGHT

PHILADELPHIA FIXED ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 15 FILE # 3 TEST # 27 PAGE OF

CENTRAL: TAPE # 26 FILE # 3 TEST # 27

START : TIME 23.35 PWR 28.5 5TH WHEEL RDG.

END : TIME 00.39 PWR 28.5 5TH WHEEL RDG. 71112.2

HAZELTINE PERSONNEL: VEHICLE DOM PPS JOLC CENTRAL A. RICCI

WITNESSED BY Joseph J. H. L. TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 S	3 S	5 S	7 S	9 S	11 S	13 S	15 S
2 P	4 S *	6 P	8 P	10 P	12 P	14 S **	
EVENT				COMMENTS			

* 4 SIGN POST OFF
* * 14 " " "

PHILADELPHIA FIXED ROUTE TEST

DATE 3/1/77 VEHICLE: TAPE # 25 FILE # 4 TEST # 28 PAGE OF

CENTRAL: TAPE # 26 FILE # 4 TEST # 28

START : TIME 6.44.5 PWR 29.5 5TH WHEEL RDG. 0

END : TIME 1.43 PWR 18.5 5TH WHEEL RDG. 78912 1

HAZELTINE PERSONNEL: VEHICLE POWELL JOPL EV8 CENTRAL A. KECI

WITNESSED BY JOPL EV8 EV8

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	P	3	P	5	P	7	P	9	P	11	P	13	P	15	P
2	S	4	S	6	S	8	S	10	S	12	S	14	S		
EVENT		COMMENTS													

* 6 " 4 SIGN POST CUT

0433 MARKED 2 TIMES (at 33 & 34)
[2nd entry should have been 34]

* 7 " 14 SIGN POST CUT

PHILADELPHIA FIXED ROUTE TEST

DATE 3/2/77 VEHICLE: TAPE # 26 FILE # 1 TEST # 29 PAGE OF

CENTRAL: TAPE # 27 FILE # 1 TEST # 29

START : TIME 1:52.26 PWR 28.5 5TH WHEEL RDG.

END : TIME 2:46.4 PWR 28.5 5TH WHEEL RDG. 70923.8

HAZELTINE PERSONNEL : VEHICLE DOM GERMAN EPS CENTRAL A, RICCI

WITNESSED BY [Signature]

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	S	3	S	5	S	7	S	9	P	11	P	13	S	15	S
2	P	4	S	6	P	8	P	10	P	12	P	14	S	16	S
EVENT		COMMENTS													

4 4 SIGN POST OUT

4 14 SIGN POST OUT

PHILADELPHIA Ind ROUTE TEST

DATE 3/2/77 VEHICLE: TAPE # 27 FILE # 2 TEST # 30 PAGE 1 OF

CENTRAL: TAPE # 28 FILE # 2 TEST # 30

START : TIME 0710 PWR 28.6 5TH WHEEL RDG. 0

END : TIME 0832 PWR 28.6 5TH WHEEL RDG. 71071

HAZELTINE PERSONNEL : VEHICLE CENTRAL

WITNESSED BY Joseph E. Ennis

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) S	3 (24) S	5 (42) S	7 (55) S	9 (66) S *	11 (77) S	13 (12) S	15 (112) S
2 (13) P	4 (31) S	6 (44) S	8 (61) P	10 (72) P	12 (84) P	14 (161) P	

EVENT	COMMENTS
3	Intersect before 77th St
4	Left turn support light (see report on same road 10/15)
21	There is a variable 4th order color in the road as we are waiting for traffic light (is a red light but it is a yellow light)
24	Support light (see report).
26	Heavy green light (see report)

There are a number of... (faint handwritten text)

PHILADELPHIA Ind ROUTE TEST

DATE 3/2/77 VEHICLE: TAPE # 27 FILE # 3 TEST # 31 PAGE 1 OF 2

CENTRAL: TAPE # 24 FILE # 5 TEST # 31

START : TIME 6850 PWR 29.5 5TH WHEEL RDG. 0

END : TIME 6948 PWR 29.5 5TH WHEEL RDG. 71319

HAZELTINE PERSONNEL : VEHICLE RFB FRD PC CENTRAL JBC

WITNESSED BY Joseph P. S. S. S. S.

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (7) P	3 (24) P	5 (22) P	7 (27) P	9 (23) P	11 (21)	13 (22)	15 (21)
2 (17) S	4 (21) S	6 (21) P	8 (21) S	10 (21)	12 (21)	14 (21)	
EVENT	COMMENTS						

Terminated by

Police EC Fought by unit 72, however, it did
not stop "breathing"

→ Continuing down 51st St.

PHILADELPHIA 7-1 ROUTE TEST

DATE 3/2/77 VEHICLE: TAPE # 27 FILE # 4 TEST # 31 ^(cont'd) PAGE 1 OF 2

CENTRAL: TAPE # 27 FILE # 4 TEST # 31

START : TIME 1945 PWR 295 5TH WHEEL RDG. 41519

END : TIME 1930 PWR 295 5TH WHEEL RDG. 71008

HAZELTINE PERSONNEL: VEHICLE REF PC FRD CENTRAL JBC

WITNESSED BY Philip R. H. 1.5 TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11 271 P	13 192 S	15 412 P
2	4	6	8	10 72 S	12 54 S	14 100 P	
EVENT				COMMENTS			

→ Central for 113
Lateral line 02

PHILADELPHIA 3rd ROUTE TEST

DATE 5/2/87 VEHICLE: TAPE # 27 FILE # 5 TEST # 31 PAGE 1 OF

CENTRAL: TAPE # 24 FILE # 5 TEST # 37

START : TIME 1653 PWR 29.3 5TH WHEEL RDG. 0

END : TIME 1105 PWR 29.3 5TH WHEEL RDG, 23800

HAZELTINE PERSONNEL: VEHICLE AFB FORD PC CENTRAL TBC

WITNESSED BY James E. Kelly TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

17	324	542	755	966	1177	1392	1511
213	431	645	861	1072	1284	1496	

EVENT

COMMENTS

Old Order time started in 1853

Had to terminate in case cited suit stopped.

PHILADELPHIA 2nd ROUTE TEST

DATE 2/2/77 VEHICLE: TAPE # 5 FILE # 4 TEST # 33 PAGE 1 OF 6

CENTRAL: TAPE # 28 FILE # 3 TEST # 33

START : TIME 1119 PWR 29.3 5TH WHEEL RDG. 0

END : TIME 1310 PWR 29.3 5TH WHEEL RDG. 71057

HAZELTINE PERSONNEL : VEHICLE REF FORD PC CENTRAL JRC

WITNESSED BY John P. Allen, S & SC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 171 S	3 41 S	5 42 S	7 43 S	9 44 S	11 45 S	13 46 S	15 47
2 131 P	4 11 S	6 48 P	8 49 P	10 50 P	12 51 P	14 52 P	
EVENT	COMMENTS						

30

Control about 50 ft. late

31

Red signal

PHILADELPHIA 44 ROUTE TEST

DATE 5/2/77 VEHICLE: TAPE # 34 FILE # 1 TEST # 34 PAGE 1 OF

CENTRAL: TAPE # 29 FILE # 1 TEST # 34

START : TIME 1413 PWR 29.5 5TH WHEEL RDG. 0

END : TIME 1546 PWR 29.5 5TH WHEEL RDG. 76965

HAZELTINE PERSONNEL : VEHICLE REB, FND PC CENTRAL IBC

WITNESSED BY Joseph P. Ellis TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1 (21) P	3 (24) P	5 (22) P	7 (23) P	9 (22) P	11 (24) P	13 (22) P	15 (26) S
2 (13) S	4 (21) S	6 (24) S	8 (21) S	10 (20) P	12 (27) S	14 (21) P	

EVENT

COMMENTS

21

Lead signpost

101

May not have gotten signal light

LOG SHEETS

RANDOM ROUTE TESTS

PHILADELPHIA RANDOM ROUTE TEST

DATE 2/16/77 START TIME 1432 PWR ??? PAGE 1 OF 5

TAPE # (CENTRAL 11 VEHICLE 7) FILE # 1 TEST # 1

FINISH TIME 1551 PWR ??? INITIAL 5TH WHEEL RDG. 0
~ 58.00

WITNESSED BY Joseph B. Bente JSC

VEHICLE PERSONNEL AHR C M FR

CENTRAL PERSONNEL W R JFC

EVENT

COMMENTS

Cont. at previous to 1st. in. Adm.

PHILADELPHIA RANDOM ROUTE TEST

DATE 2/16/77 START TIME 1557 PWR 28.7 PAGE 2 OF 5

TAPE # (CENTRAL 11 VEHICLE 7) FILE # 1 TEST # 2

FINISH TIME 1717 PWR 28.5 INITIAL 5TH WHEEL RDG. 0

WITNESSED BY [Signature] TSC N 59850

VEHICLE PERSONNEL AHR, C, M, FRD

CENTRAL PERSONNEL H, K, JFC

EVENT	COMMENTS
-------	----------

11

~ 40' late for Prob 1 test

122

entered ~ 30' south - missed at turn on Lombard
put in right of way. Entered 122 to get under back
@ Lombard at 17th.

Central site personnel entered in another location

PHILADELPHIA RANDOM ROUTE TEST

DATE 2/16/77 START TIME 1758 PWR 28.5 PAGE 3 OF 5

TAPE # (CENTRAL 12 VEHICLE 8) FILE # 13 TEST # 3

FINISH TIME 1902 PWR 28.5 INITIAL 5TH WHEEL RSG. 0

WITNESSED BY AHR, G M, FR ^{END} 9/12/77 55,100

VEHICLE PERSONNEL AHR, G M, FRD

CENTRAL PERSONNEL J R, TFO

EVENT COMMENTS

Control site, not connected in the 5th line

PHILADELPHIA RANDOM ROUTE TEST

DATE 2/17/77 START TIME 1230 PWR 282 PAGE 4 OF 5

TAPE # (CENTRAL 13 VEHICLE 9) FILE # 2 TEST # 4

FINISH TIME 1340 P.M. 285 INITIAL 5TH WHEEL RDG. 0

WITNESSED BY Joseph Charles TSC ²⁵⁸²⁰⁰

VEHICLE PERSONNEL: AHR G M TRD

CENTRAL PERSONNEL JFO

EVENT

COMMENTS.

80

86

PHILADELPHIA RANDOM ROUTE TEST

DATE 2/17/77 START TIME 1432 PWR 285 PAGE 5 OF 5

TAPE # (CENTRAL 13 VEHICLE 9) FILE # 3 TEST # 5

FINISH TIME 1550 PWR 285 INITIAL 5TH WHEEL RSG. 0

WITNESSED BY Joseph B. Berle Jr. NSP/200

VEHICLE PERSONNEL PHR G M FTD

CENTRAL PERSONNEL JFC

EVENT

COMMENTS

PHILADELPHIA Penn. ROUTE TEST

DATE 3/2/77 VEHICLE: TAPE # 25 FILE # 2 TEST # 6 PAGE 1 OF 1

CENTRAL: TAPE # 29 FILE # 2 TEST # 6

START : TIME 1612 PWR 29.5 5TH WHEEL RDG. 0

END : TIME 1730 PWR 39.3 5TH WHEEL RDG. 52,117

HAZELTINE PERSONNEL : VEHICLE REF FRO PC CENTRAL IBC

WITNESSED BY Joseph A. T. Kelly TSC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

LOG SHEETS

TRILATERATION SUBURBAN TESTS

SUBURBAN
PHILADELPHIA ~~RANDOM~~ ROUTE TEST

DATE 2/15/77 START TIME 1405 PWR _____ PAGE 1 OF 2

TAPE # (CENTRAL 10 VEHICLE 6) FILE # _____ TEST # _____

FINISH TIME 1824 PWR 285 INITIAL 5TH WHEEL RDG. _____

WITNESSED BY Joseph B. Bely DOT/HSE

VEHICLE PERSONNEL AHR, G.M., F.R.D., D.L.

CENTRAL PERSONNEL W. R.

FILE EVENT	5TH WHEEL DISTANCE AT END	COMMENTS
1	9470	
2	9596	
3	9284	
4	9286	
5	9288	
6	9217	
7	9204	
8	9266	
9	9273	
10	9269	
11	9269	
12	9277	for time was 1620 instead of 1520 in header
13	9272	
14	9270	
15	9269	It was not 1520 in header
16	9261	
17	18556	
18	9277	
19	9281	
20	9395	

SUBURBAN
PHILADELPHIA ~~RANDEN~~ ROUTE TEST

DATE 2/15/77 START TIME 1405 PWR PAGE 2 OF 2

TAPE # (CENTRAL 10 VEHICLE 6) FILE # TEST #

FINISH TIME 1834 DUR. 205 INITIAL 5TH WHEEL RIG.

WITNESSED BY James P. Bealig DOT/TSC

VEHICLE PERSONNEL APR, EM, FPD, TL

CENTRAL PERSONNEL W. R.

INC. STATION
CENT. STATION
AGEND COMMENTS

1	9113	
2	9276	
3	9278	
4	9490	
5	9275	
6	9274	
7	9662	
8	9269	
9	9281	
10	9277	
11	9307	
12	9277	
13	9257	
14	9272	
15	9281	
16	9272	
17	9285	
18	9286	
19	9278	
20	9283	
21	9490	

Central site. Road in by 11:00. Lost track once, late by about 30' over event 8.

PHILADELPHIA Suburban ROUTE TEST

DATE 03/16/77 VEHICLE: TAPE # 30 FILE # 3 TEST # 3 PAGE 3 OF 17

CENTRAL: TAPE # 31 FILE # 3 TEST # 3

START : TIME 1050 PWR 28.8 5TH WHEEL RDG. 0

END : TIME 1100 PWR 28.8 5TH WHEEL RDG. 10262

HAZELTINE PERSONNEL: VEHICLE GM, KRC CENTRAL IC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/14/77 VEHICLE: TAPE # 30 FILE # 4 TEST # 4 PAGE 4 OF 17

CENTRAL: TAPE # 31 FILE # 4 TEST # 4

START : TIME 1111 PWR 28.8 5TH WHEEL RDG. 0

END : TIME 1128 PWR 28.8 5TH WHEEL RDG. 10239

HAZELTINE PERSONNEL : VEHICLE GM, KPC CENTRAL IC

WITNESSED BY GM, KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Sub ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 5 TEST # 5 PAGE 5 OF 17

CENTRAL: TAPE # 31 FILE # 5 TEST # 5

START : TIME 1117 PWR 28.8 5TH WHEEL RDG. 0

END : TIME 1125 PWR 28.8 5TH WHEEL RDG. 10236

HAZELTINE PERSONNEL: VEHICLE GM K8C CENTRAL JL

WITNESSED BY GM K8C

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/79 VEHICLE: TAPE # 30 FILE # 6 TEST # 6 PAGE 6 OF 17

CENTRAL: TAPE # 31 FILE # 6 TEST # 6

START : TIME 1126 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1136 PWR 29.0 5TH WHEEL RDG. 10236

HAZELTINE PERSONNEL : VEHICLE Gm KBC CENTRAL JC

WITNESSED BY Gm KBC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

5th wheel total reset reading previous reading
10236

this reading 20472
reading 10236

PHILADELPHIA Schuylkill ROUTE TEST

DATE 03/10/11 VEHICLE: TAPE # 30 FILE # 7 TEST # 7 PAGE 7 OF 17

CENTRAL: TAPE # 31 FILE # 7 TEST # 7

START : TIME 1135 PWR 24.0 5TH WHEEL RDG. 0

END : TIME 1140 PWR 24.0 5TH WHEEL RDG. 9800

HAZELTINE PERSONNEL : VEHICLE GM, KPC CENTRAL JC

WITNESSED BY GM, KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

Event 1 marked 20 feet past intersection
5th reset at event 2.

PHILADELPHIA Suburban ROUTE TEST

DATE 03/14/77 VEHICLE: TAPE # 30 FILE # 8 TEST # 8 PAGE 8 OF 17

CENTRAL: TAPE # 31 FILE # 4 TEST # 8

START : TIME 1141 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1147 PWR 29.0 5TH WHEEL RDG. 10215

HAZELTINE PERSONNEL : VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 9 TEST # 1 PAGE 9 OF 17

CENTRAL: TAPE # 31 FILE # 9 TEST # 9

START : TIME 1148 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1153 PWR 29.0 5TH WHEEL RDG. 10 258

HAZELTINE PERSONNEL : VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 10 TEST # 10 PAGE 10 OF 17

CENTRAL: TAPE # 31 FILE # 10 TEST # 10

START : TIME 1154 PWR 24.0 5TH WHEEL RDG. 0

END : TIME 1159 PWR 24.0 5TH WHEEL RDG. 10236

HAZELTINE PERSONNEL : VEHICLE GM, KBC CENTRAL JC

WITNESSED BY GM, KBC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 11 TEST # 11 PAGE 11 OF 17

CENTRAL: TAPE # 31 FILE # 11 TEST # 11

START : TIME 1200 PWR 25.0 5TH WHEEL RDG. G

END : TIME 1205 PWR 24.0 5TH WHEEL RDG. 10239

HAZELTINE PERSONNEL: VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 12 TEST # 12 PAGE 12 OF 17

CENTRAL: TAPE # 31 FILE # 12 TEST # 12

START : TIME 1207 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1213 PWR 29.0 5TH WHEEL RDG. 10228

HAZELTINE PERSONNEL : VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 13 TEST # 13 PAGE 13 OF 17

CENTRAL: TAPE # 31 FILE # 13 TEST # 13

START : TIME 1214 PWR 24.0 5TH WHEEL RDG. 0

END : TIME 1219 PWR 29.0 5TH WHEEL RDG. 10220

HAZELTINE PERSONNEL : VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/12/77 VEHICLE: TAPE # 30 FILE # 14 TEST # 14 PAGE 14 OF 17

CENTRAL: TAPE # 31 FILE # 14 TEST # 14

START : TIME 1228 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1226 PWR 29.0 5TH WHEEL RDG. 10225

HAZELTINE PERSONNEL: VEHICLE Gm, KRC CENTRAL JC

WITNESSED BY Gm, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 15 TEST # 15 PAGE 15 OF 17

CENTRAL: TAPE # 31 FILE # 15 TEST # 15

START : TIME 1227 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1232 PWR 29.0 5TH WHEEL RDG. 10213

HAZELTINE PERSONNEL: VEHICLE GM, KPC CENTRAL JC

WITNESSED BY GM, KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 16 TEST # 16 PAGE 16 OF 17

CENTRAL: TAPE # 31 FILE # 16 TEST # 16

START : TIME 1233 PWR 29.00 5TH WHEEL RDG. 0

END : TIME 1238 PWR 29.0 5TH WHEEL RDG. 10215

HAZELTINE PERSONNEL : VEHICLE GM, KRC CENTRAL JC

WITNESSED BY GM, KRC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

PHILADELPHIA Suburban ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 7 TEST # 17 PAGE 11 OF 17

CENTRAL: TAPE # 30 FILE # 17 TEST # 17

START : TIME 1239 PWR 29.0 5TH WHEEL RDG. 0

END : TIME 1244 PWR 29.0 5TH WHEEL RDG. 10190

HAZELTINE PERSONNEL : VEHICLE Gm, KPC CENTRAL JC

WITNESSED BY Gm, KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

LOG SHEETS
UNDERPASS TESTS

PHILADELPHIA LUCKY MISS ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 17 FILE # 1 TEST # 1 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 1 TEST # 1

START : TIME 1138 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1143 PWR 28.3 5TH WHEEL RDG. 11449

HABELTIME PERSONNEL: VEHICLE ~~17~~ 6M, FD, JK CENTRAL JO

WITNESSED BY B.K.

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

BWAK 2/27/77

PHILADELPHIA Indle Pass ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 2 TEST # 2 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 2 TEST # 2

START : TIME 1147 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1152 PWR 28.3 5TH WHEEL RDG. 11541

HAZELTINE PERSONNEL : VEHICLE GM, FD, JC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

5+6 SWAK 2/27/77
Loss tank.

PHILADELPHIA Under Pass ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 2 TEST # 2 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 3 TEST # 3

START : TIME 1158 PWR 25.3 5TH WHEEL RDG. 0

END : TIME 1203 PWR 28.3 5TH WHEEL RDG. 11648

HABELTIME PERSONNEL: VEHICLE GM, FI, JC CENTRAL J1

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

SWAK 2/27/77

PHILADELPHIA U.S. 1-100 ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 4 TEST # 4 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 4 TEST # 4

START : TIME 12/1 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 12/6 PWR 28.3 5TH WHEEL RDG. 11331

HAZELTINE PERSONNEL: VEHICLE GM 5C CENTRAL 5C

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

BWAK 2/27/77

PHILADELPHIA 1214 ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 15 FILE # 5 TEST # 5 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 5 TEST # 5

START : TIME 1223 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1227 PWR 28.3 5TH WHEEL RDG. 11487

HAZELTINE PERSONNEL : VEHICLE G/M, JC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

5

middle lane

11

11

5th waiting at spring garden due
to heavy traffic (exit)

BWAK 2/27/77

PHILADELPHIA Waterpass ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 6 TEST # 6 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 6 TEST # 6

START : TIME 1233 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1238 PWR 28.3 5TH WHEEL RDG. 1148.8

HABELTIME PERSONNEL: VEHICLE GM, 9 JC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT COMMENTS

0-1

middle lane

exit or - 10E70

BWAK 2/27/77

PHILADELPHIA Vulcan ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 14 FILE # 7 TEST # 2 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 7 TEST # 2

START : TIME 1244 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1249 PWR 28.3 5TH WHEEL RDG. 11554

HAZELTINE PERSONNEL: VEHICLE GM, JK CENTRAL TD

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

BWAK 2/27/77

PHILADELPHIA 1261 PASS ROUTE TEST

DATE 12/27/77 VEHICLE: TAPE # 14 FILE # 3 TEST # 3 PAGE 1 OF 12

CENTRAL: TAPE # 20 FILE # 3 TEST # 3

START : TIME 1256 PWR 28.3 5TH WHEEL RDG. C

END : TIME 1301 PWR 28.3 5TH WHEEL RDG. 11458

HABELTIME PERSONNEL: VEHICLE G-14, SC CENTRAL JD

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

Middle Lane

Exit Spring Garden St
BWAK 12/27/77

PHILADELPHIA Delaware ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 9 TEST # 9 PAGE OF 12

CENTRAL: TAPE # 20 FILE # 9 TEST # 9

START : TIME 1305 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1310 PWR 28.3 5TH WHEEL RDG. 11471

HAZELTINE PERSONNEL : VEHICLE GM, ~~SC~~, SC CENTRAL SO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

middle lane

BWAK 2/27/77

PHILADELPHIA Vulgar ROUTE TEST

DATE 02/17/77 VEHICLE: TAPE # 14 FILE # 0 TEST # 10 PAGE 1 OF 12

CENTRAL: TAPE # 26 FILE # 10 TEST # 10

START : TIME 1317 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1322 PWR 28.3 5TH WHEEL RDG. 114.26

HAZELTINE PERSONNEL: VEHICLE GM, JC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

middle lane

BWAK 2/27/77

PHILADELPHIA Vic. for pass ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 19 FILE # 11 TEST # 11 PAGE 1 OF 13

CENTRAL: TAPE # 20 FILE # 11 TEST # 11

START : TIME 1327 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1335 PWR 28.3 5TH WHEEL RDG. 11420

HAZELTINE PERSONNEL: VEHICLE EM, TC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT		COMMENTS					

middle line

BWAK 2/27/77

PHILADELPHIA UNIKI PASS ROUTE TEST

DATE 02/27/77 VEHICLE: TAPE # 15 FILE # 12 TEST # 12 PAGE 10 OF 12

CENTRAL: TAPE # 20 FILE # 12 TEST # 12

START : TIME 1353 PWR 28.3 5TH WHEEL RDG. 0

END : TIME 1402 PWR 28.3 5TH WHEEL RDG. 1147.3

HABELTIME PERSONNEL: VEHICLE GM1, JC CENTRAL JO

WITNESSED BY BK

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

Right hand lane
BIAK 2/27/77

PHILADELPHIA High Speed ROUTE TEST

DATE 03/10/77 VEHICLE: TAPE # 30 FILE # 1 TEST # 1 PAGE 1 OF 17

CENTRAL: TAPE # 31 FILE # 1 TEST # 1

START : TIME _____ PWR 23.8 5TH WHEEL RDG. 0

END : TIME _____ PWR _____ 5TH WHEEL RDG. 10697

HAZELTINE PERSONNEL: VEHICLE EM KPC CENTRAL TC

WITNESSED BY EM KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	
EVENT				COMMENTS			

PHILADELPHIA 11/1 Speed ROUTE TEST

DATE 03/11/77 VEHICLE: TAPE # 30 FILE # 2 TEST # 2 PAGE 2 OF 17

CENTRAL: TAPE # 31 FILE # 2 TEST # 2

START : TIME 1121 PWR 28.8 5TH WHEEL RDG. 0

END : TIME 1026 PWR 28.8 5TH WHEEL RDG. 1457

HAZELTINE PERSONNEL: VEHICLE 611 KPC CENTRAL JC

WITNESSED BY GM, KPC

SIGNPOST PASSAGE : S (STOP) OR P (PASS)

1	3	5	7	9	11	13	15
2	4	6	8	10	12	14	

EVENT

COMMENTS

LOG SHEETS

SPECIAL RANDOM ROUTE TESTS

5 TIMES

Tape 32A ^V _{32B} ^C

Test 1 Random Route (79 checkpoints)

Drop 1-11

Start at event 12 (right turn on Broad from South Penn Square).

In the ~~data~~ software input file, delete the following events from the list of checkpoints:

28

31-32

93

95-97

99

After event 137, end the run. Then go around City Hall and start the next run at the turn onto Broad.

Test Type 1
 PHILADELPHIA Random Route ROUTE TEST

DATE 04/06/77 VEHICLE: TAPE # 32 FILE # 1 TEST # 1 PAGE 1 OF 5

CENTRAL: TAPE # 32 FILE # 1 TEST # 1

START : TIME 20.50 PWR 25.5 5TH WHEEL RDG. 0

END : TIME 2203 PWR 25.5 5TH WHEEL RDG. 54383

HAMILTONE PERSONNEL: VEHICLE FD, GMP CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT	COMMENTS						

Car 110 entered twice

114 entered at 21st and at 19th

Low power noticed at unit # ~~73~~ 65
due to battery switch on no. 2
lost truck

Recorder started 12 min before
central (header indication)
actual start was within 20 seconds

Test Type 1
RDR

PHILADELPHIA _____ ROUTE TEST

DATE 04/06/77 VEHICLE: TAPE # 32 FILE # 2 TEST # 2 PAGE 2 OF 5

CENTRAL: TAPE # 32 FILE # 2 TEST # 2

START : TIME 2219 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2329 PWR 27.8 5TH WHEEL RDG. 55839

HARLETT: PERSONNEL : VEHICLE FD, GMF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	2 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Event 80 entered at Manning St.

Test Type 1

PHILADELPHIA RR ROUTE TEST

DATE 4/16/77 VEHICLE: TAPE # 32 FILE # 3 TEST # 3 PAGE 3 OF 5

CENTRAL: TAPE # 32 FILE # 3 TEST # 3

START : TIME 04:00 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 01:00 PWR 27.8 5TH WHEEL RDG. 5.7233

HARLETIME PERSONNEL : VEHICLE FRD, GMP CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Tape 1
RR

PHILADELPHIA ROUTE TEST

DATE 04/06/77 VEHICLE: TAPE # 32 FILE # 4 TEST # 4 PAGE 4 OF 4

CENTRAL: TAPE # 32 FILE # 4 TEST # 4

START : TIME 01:07 PWR 27.8 5TH WHEEL RDG. C

END : TIME 01:59 PWR 27.8 5TH WHEEL RDG. 55653

HARLETIME PERSONNEL: VEHICLE FDR, GMIF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE: S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Events 80, 81, 82 entered ~~at~~ just
before sign.

Test Type 1

PHILADELPHIA RR ROUTE TEST

DATE 04/06/77 VEHICLE: TAPE # 32 FILE # 5 TEST # 5 PAGE 5 OF 5

CENTRAL: TAPE # 32 FILE # 5 TEST # 5

START : TIME 0242 PWR _____ 5TH WHEEL RDG. 0

END : TIME 0324 PWR _____ 5TH WHEEL RDG. 52103

HASLTH: PERSONNEL : VEHICLE FDR, GNF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

LOG SHEETS

SPECIAL FIXED ROUTE TESTS (B)

Type 2
PHILADELPHIA Fixed Route ROUTE TEST

DATE 03/27/77 VEHICLE: TAPE # 34 FILE # 1 TEST # 1 PAGE 1 OF 23

CENTRAL: TAPE # 34 FILE # 1 TEST # 1

START : TIME 0900 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1012 PWR 29.8 5TH WHEEL RDG. 12702

HABELTIME PERSONNEL : VEHICLE PC-641F CENTRAL LC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (45)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Tape 2

PHILADELPHIA Fixed Route ROUTE TEST

DATE 03/27/77 VEHICLE: TAPE # 34 FILE # 2 TEST # 2 PAGE 2 OF 23

CENTRAL: TAPE # 34 FILE # 2 TEST # 2

START : TIME 1019 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1034 PWR 29.8 5TH WHEEL RDG. 12751

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Event 42 missed

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 3 TEST # 5 PAGE 3 OF 23

CENTRAL: TAPE # 34 FILE # 3 TEST # 7

START : TIME 1036 PWR 39.8 5TH WHEEL RDG. ~~12743~~ 0

END : TIME 1054 PWR 41.8 5TH WHEEL RDG. 12743

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT	COMMENTS						

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 4 TEST # 4 PAGE 4 OF 23

CENTRAL: TAPE # 34 FILE # 4 TEST # 4

START : TIME 1056 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1112 PWR _____ 5TH WHEEL RDG. 127.41

HAZELTIME PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (105)
2 (13)	4 (31)	6 (45)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 5 TEST # 5 PAGE 5 OF 23

CENTRAL: TAPE # 34 FILE # 5 TEST # 5

START : TIME 1115 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1130 PWR _____ 5TH WHEEL RDG. 12730

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (71)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 24 FILE # 6 TEST # 6 PAGE 6 OF 23

CENTRAL: TAPE # 34 FILE # 6 TEST # 6

START : TIME 1133 PWR 29.8 5TH WHEEL RDG. 8

END : TIME 1148 PWR 29.8 5TH WHEEL RDG. 12712

HABELTILE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA _____ ROUTE TEST

○ DATE _____ VEHICLE: TAPE # 34 FILE # 7 TEST # 7 PAGE 2 OF 23

CENTRAL: TAPE # 34 FILE # 7 TEST # 7

START : TIME 1152 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 1208 PWR 27.8 5TH WHEEL RDG. 12719

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 8 TEST # 8 PAGE 8 OF 23

CENTRAL: TAPE # 34 FILE # 8 TEST # 8

START : TIME 1212 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1226 PWR 29.8 5TH WHEEL RDG. 12714

HANDLINE PERSONNEL: VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS); * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Missed out 42

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 9 TEST # 9 PAGE 9 OF 23

CENTRAL: TAPE # 34 FILE # 9 TEST # 9

START : TIME 1318 PWR 29.8 5TH WHEEL RDG. 6

END : TIME 1332 PWR 29.8 5TH WHEEL RDG. 126'74"

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 10 TEST # 10 PAGE 13 OF 23

CENTRAL: TAPE # 34 FILE # 10 TEST # 10

START : TIME 1334 PWR _____ 5TH WHEEL RDG. 7

END : TIME 1349 PWR _____ 5TH WHEEL RDG. 1274.2

HARLETIME PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Event 45 entered about 100 ft ahead of bus

PHILADELPHIA _____ ROUTE TEST

○ DATE _____ VEHICLE: TAPE # 34 FILE # 11 TEST # 11 PAGE 11 OF 23

CENTRAL: TAPE # 34 FILE # 11 TEST # 11

START : TIME 1356 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1409 PWR _____ 5TH WHEEL RDG. 14207

HASBETHE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA _____ ROUTE TEST

○ DATE _____ VEHICLE: TAPE # 34 FILE # 12 TEST # 12 PAGE 12 OF 23

CENTRAL: TAPE # 34 FILE # 12 TEST # 12

START : TIME 1415 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1431 PWR _____ 5TH WHEEL RDG. 1.2741

HASSETIME PERSONNEL: VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 13 TEST # 13 PAGE 3 OF 22

CENTRAL: TAPE # 34 FILE # 13 TEST # 13

START : TIME 1432 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1448 PWR _____ 5TH WHEEL RDG. 12714

HARLETIME PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT	COMMENTS						

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 14 TEST # 14 PAGE 14 OF 23

CENTRAL: TAPE # 34 FILE # 14 TEST # 14

START : TIME 1505 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1520 PWR _____ 5TH WHEEL RDG. 12761

HASBETH PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 15 TEST # 15 PAGE 15 OF 23

CENTRAL: TAPE # 34 FILE # 15 TEST # 15

START : TIME 1522 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1538 PWR _____ 5TH WHEEL RDG. 12741

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : 3 (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

SEE FILE 17 comments

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 16 TEST # 16 PAGE 16 OF 23

CENTRAL: TAPE # 34 FILE # 16 TEST # 16

START : TIME 1540 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1555 PWR _____ 5TH WHEEL RDG. 12723

HANDLING PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Cont 48 150 feet before the joint

see file 17 comments

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 17 TEST # 17 PAGE 12 OF 23

CENTRAL: TAPE # 34 FILE # 17 TEST # 17

START : TIME 1557 PWR _____ 5TH WHEEL RDG. C

END : TIME 1612 PWR _____ 5TH WHEEL RDG. 127 48

HARLETTING PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT	COMMENTS						

Carson readouts at central site were showing
 2 second bits of unidentified numbers for
 vehicle message. Problem ^{related} ~~directly~~ ^{to red} ~~to red~~ site and
 was evident from this file and the last
 two. Test was aborted for 1/2 hr - problem
~~has~~ disappeared after modems were connected
 again. *afternoon*

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 18 TEST # 15 PAGE 18 OF 23

CENTRAL: TAPE # 34 FILE # 18 TEST # 13

START : TIME 16.41 PWR _____ 5TH WHEEL RDG. C

END : TIME 16.58 PWR _____ 5TH WHEEL RDG. 12747

HASBETH PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA _____ ROUTE TEST

DATE _____ VEHICLE: TAPE # 34 FILE # 19 TEST # 19 PAGE 19 OF 23

CENTRAL: TAPE # 34 FILE # 19 TEST # 19

START : TIME 1700 PWR _____ 5TH WHEEL RDG. 0

END : TIME 1714 PWR _____ 5TH WHEEL RDG. 12747

HAZELTINE PERSONNEL : VEHICLE _____ CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Test Type 2

PHILADELPHIA Fixed Route ROUTE TEST

DATE 6/27/77 VEHICLE: TAPE # 34 FILE # 20 TEST # 20 PAGE 20 OF 23

CENTRAL: TAPE # 34 FILE # 20 TEST # 20

START : TIME 1716 PWR 29.3 5TH WHEEL RDG. 0

END : TIME 1730 PWR 29.8 5TH WHEEL RDG. 12752

HAZELTINE PERSONNEL : VEHICLE PC, FMIF CENTRAL _____

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Test Flyer 2

PHILADELPHIA Fixed Route ROUTE TEST

DATE 13/17/77 VEHICLE: TAPE # 34 FILE # 21 TEST # 21 PAGE 21 OF 23

CENTRAL: TAPE # 34 FILE # 21 TEST # 21

START : TIME 1732 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1815 PWR 29.8 5TH WHEEL RDG. 12730

HARLELINE PERSONNEL : VEHICLE PC, GMR CENTRAL W C

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA ^{Test 2} ^{Expt 1} ROUTE TEST

DATE 03/27/77 VEHICLE: TAPE # 34 FILE # 21 TEST # 22 PAGE 22 OF 23

CENTRAL: TAPE # 34 FILE # 22 TEST # 22

START : TIME 1817 PWR 29.8 5TH WHEEL RDG. 0

END : TIME 1832 PWR 29.8 5TH WHEEL RDG. 12758

HAZELTINE PERSONNEL: VEHICLE PL GMP CENTRAL 100

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Event 47 entered 160 ft past point

Test Type 2

PHILADELPHIA Fixed Route ROUTE TEST

DATE 03/07/77 VEHICLE: TAPE # 34 FILE # 23 TEST # 23 PAGE 23 OF 23

CENTRAL: TAPE # 34 FILE # 23 TEST # 23

START : TIME 1834 PWR 29.8 5TH WHEEL RDG. C

END : TIME 1848 PWR 29.8 5TH WHEEL RDG. 1.2731

HARLETHIN PERSONNEL: VEHICLE PC GMF CENTRAL UNC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

*Test stopped
Fixed later*

PHILADELPHIA ROUTE TEST

DATE 23/28/77 VEHICLE: TAPE # 36 FILE # 1 TEST # 24 PAGE 1 OF 7

CENTRAL: TAPE # 36 FILE # 1 TEST # 24

START : TIME 1000 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1017 PWR 28.0 5TH WHEEL RDG. 12670

HASSETT PERSONNEL : VEHICLE KPC, GMP CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Raining Cars & dogs in & out

Test Type 2

PHILADELPHIA Grand Route ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 36 FILE # 2 TEST # 25 PAGE 2 OF 7

CENTRAL: TAPE # 36 FILE # 2 TEST # 25

START : TIME 1020 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1036 PWR 28.0 5TH WHEEL RDG. 12753

HAZELTINE PERSONNEL: VEHICLE KDC, GMF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 2
Fixed Route
PHILADELPHIA Fixed Route ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 36 FILE # 3 TEST # 26 PAGE 3 OF 7

CENTRAL: TAPE # 36 FILE # 3 TEST # 26

START : TIME 1039 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1056 PWR 28.0 5TH WHEEL RDG. 12708

HASSETT: PERSONNEL: VEHICLE KPC GMP CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Test Type 2
 PHILADELPHIA *Fixed Route* ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 36 FILE # 4 TEST # 27 PAGE 4 OF 7

CENTRAL: TAPE # 36 FILE # 4 TEST # 27

START : TIME 1102 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1114 PWR 28.0 5TH WHEEL RDG. 12706

HASSETT PERSONNEL: VEHICLE KPC, CHIEF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Event 50 entered about 150 past the point
Event 55 entered about 150 past the point

Test Type 2
Fixed Post
PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 26 FILE # 4 TEST # 23 PAGE 5 OF 7

CENTRAL: TAPE # 36 FILE # 5 TEST # 23

START : TIME 1122 PWR 280 5TH WHEEL RDG. 0

END : TIME 1138 PWR 280 5TH WHEEL RDG. 12708

HABELTIME PERSONNEL: VEHICLE KPC G12/F CENTRAL CLK

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Route
PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 36 FILE # 6 TEST # 29 PAGE 6 OF 7

CENTRAL: TAPE # 36 FILE # 6 TEST # 29

START : TIME 1141 PWR 28-0 5TH WHEEL RDG. C

END : TIME 1:204 PWR 28-0 5TH WHEEL RDG. 12798

HAZELTINE PERSONNEL: VEHICLE K.P.C., G.M.F. CENTRAL W.C.

WITNESSED BY _____
SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

PHILADELPHIA

*Test Type 2
Fixed Route*

ROUTE TEST

DATE 03/25/77

VEHICLE: TAPE # 36 FILE # 7 TEST # 30 PAGE 7 OF 7

CENTRAL: TAPE # 36 FILE # 7 TEST # 30

START : TIME 1205 PWR 28.0 5TH WHEEL RDG. _____

END : TIME 1221 PWR 28.0 5TH WHEEL RDG. 126.72

HAZELHURST PERSONNEL : VEHICLE KPC, C.M.F CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : 3 (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

LOG SHEETS

SPECIAL FIXED ROUTE TESTS (C)

PHILADELPHIA ^{Test Type 3} FIXED ROUTE ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 1 TEST # 1 PAGE 1 OF 28

CENTRAL: TAPE # 37 FILE # 1 TEST # 1

START : TIME 1337 PWR 28.0 5TH WHEEL RDG. C

END : TIME 1347 PWR 28.0 5TH WHEEL RDG. 485.2

HABITING PERSONNEL : VEHICLE KPC GMF CENTRAL LUC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

TEST
Tape 3
Fixed

PHILADELPHIA _____ ROUTE TEST

DATE 03/23/77

VEHICLE: TAPE # 37 FILE # 2 TEST # 2 PAGE 2 OF 28

CENTRAL: TAPE # 37 FILE # 2 TEST # 2

START : TIME 1343 PWR 25.0 5TH WHEEL RDG. C

END : TIME 1347 PWR 25.0 5TH WHEEL RDG. ~~4847~~

HARBLING PERSONNEL: VEHICLE KPC G-MF CENTRAL UIC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

9699
4872
1847

PHILADELPHIA ^{Test Type?}
^{Final Date} ROUTE TEST

DATE 05/08/77 VEHICLE: TAPE # 37 FILE # 3 TEST # 3 PAGE 3 OF 28

CENTRAL: TAPE # 37 FILE # 3 TEST # 3

START : TIME 1348 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1352 PWR 28.0 5TH WHEEL RDG. 4847

HASSETT PERSONNEL: VEHICLE KPC, 1-MF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Scale

DATE 3/28/77

CENTRAL:TAPE # FILE# 4 TEST# 4

START : TIME 1353 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1356 PWR 28.0 5TH WHEEL RDG. 4842

HABEATING PERSONNEL: VEHICLE KBC, GNF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

$$\begin{array}{r} 2 \overline{) 15} \\ \underline{10} \\ 5 \end{array}$$

$$\begin{array}{r} 2 \overline{) 30} \\ \underline{20} \\ 10 \end{array}$$

$$\begin{array}{r} 2 \overline{) 45} \\ \underline{40} \\ 5 \end{array}$$

1313
7
~~23~~
91

Test Type 3
Fixed Route

PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 5 TEST # 5 PAGE 5 OF 28

CENTRAL: TAPE # 37 FILE # 5 TEST # 5

START : TIME 1356 PWR 28.0 5TH WHEEL RDG. C

END : TIME 1401 PWR 28.0 5TH WHEEL RDG. 4843

HAZELTINE PERSONNEL: VEHICLE KPC GMIF CENTRAL GC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Route
PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 6 TEST # 6 PAGE 6 OF 28

CENTRAL: TAPE # 37 FILE # 6 TEST # 6

START : TIME 1401 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1406 PWR 28.0 5TH WHEEL RDG. 4831

HABELTINE PERSONNEL: VEHICLE KPC, GMP CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (59)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA Test Type 3
Fixed Route ROUTE TEST

DATE 6/28/77 VEHICLE: TAPE # 37 FILE # 7 TEST # 7 PAGE 1 OF 28

CENTRAL: TAPE # 37 FILE # 7 TEST # 7

START : TIME 1412 PWR 28.0 5TH WHEEL RDG. C

END : TIME _____ PWR 28.0 5TH WHEEL RDG. 4850

HABELTHER PERSONNEL : VEHICLE GMT KPC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Route
PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 8 TEST # 8 PAGE 8 OF 28

CENTRAL: TAPE # 37 FILE # 8 TEST # 8

START : TIME 1417 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1420 PWR 28.0 5TH WHEEL RDG. 4837

HAZELTINE PERSONNEL : VEHICLE KRC G.M.F. CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

2nd Type 3

PHILADELPHIA Franklin ROUTE TEST

DATE 03/23/77 VEHICLE: TAPE # 27 FILE # 7 TEST # 7 PAGE 9 OF 28

CENTRAL: TAPE # 37 FILE # 4 TEST # 1

START : TIME 1421 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1426 PWR 28.6 5TH WHEEL RDG. 4842

HARBLING PERSONNEL: VEHICLE KPC, GM CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Route

PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 10 TEST # 10 PAGE 10 OF 28

CENTRAL: TAPE # 37 FILE # 10 TEST # 10

START : TIME 1426 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1430 PWR 28.0 5TH WHEEL RDG. 4835

HASSETT PERSONNEL: VEHICLE KRC, SMF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Fixed Route

PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 11 TEST # 11 PAGE 11 OF 28

CENTRAL: TAPE # 37 FILE # 11 TEST # 11

START : TIME 1430 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1435 PWR 28.0 5TH WHEEL RDG. 4856

HAZELTINE PERSONNEL: VEHICLE KPC, GAF CENTRAL CC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test type 3

PHILADELPHIA Federal Route ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 37 FILE # 12 TEST # 12 PAGE 12 OF 28

CENTRAL: TAPE # 37 FILE # 12 TEST # 12

START : TIME 1436 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1440 PWR 28.0 5TH WHEEL RDG. 4843

HABELTH: PERSONNEL : VEHICLE KPC GMT CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	

EVENT

COMMENTS

PHILADELPHIA Type 3
Fixed Route ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 37 FILE # 13 TEST # 13 PAGE 13 OF 28

CENTRAL: TAPE # 37 FILE # 13 TEST # 13

START : TIME 1441 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1444 PWR 28.0 5TH WHEEL RDG. 4845

HAZELTINE PERSONNEL: VEHICLE KPC GMF CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA type 3 Fixed ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 37 FILE # 14 TEST # 14 PAGE 14 OF 27

CENTRAL: TAPE # 37 FILE # 14 TEST # 14

START : TIME 1445 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1449 PWR 28.0 5TH WHEEL RDG. 48 41

HARLETIME PERSONNEL : VEHICLE GMF KPC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA ^{type 3} ~~File~~ ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 37 FILE # 15 TEST # 15 PAGE 5 OF 28

CENTRAL: TAPE # 32 FILE # 15 TEST # 15

START : TIME 1554 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1453 PWR 28.0 5TH WHEEL RDG. 4.858

HANDLING PERSONNEL : VEHICLE GMF KPC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

PHILADELPHIA ^{type 3} Fixed ROUTE TEST

DATE 3/28/17 VEHICLE: TAPE # 37 FILE # 16 TEST # 16 PAGE 16 OF 28

CENTRAL: TAPE # 37 FILE # 16 TEST # 16

START : TIME 1458 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1503 PWR 28.0 5TH WHEEL RDG. 4854

HABITAT PERSONNEL : VEHICLE GMF KPC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Type 3

PHILADELPHIA Fixed ROUTE TEST

DATE 3/25/77 VEHICLE: TAPE # 37 FILE # 17 TEST # 17 PAGE 17 OF 28

CENTRAL: TAPE # 37 FILE # 17 TEST # 17

START : TIME 1503 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1507 PWR 25.0 5TH WHEEL RDG. 4836

HAZELTINE PERSONNEL : VEHICLE GMF KAC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Type 3
Fixed

PHILADELPHIA ROUTE TEST

DATE 3/28/77 VEHICLE: TAPE # 37 FILE # 18 TEST # 18 PAGE 5 OF XX

CENTRAL: TAPE # 37 FILE # 18 TEST # 18

START : TIME 1527 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1512 PWR 28.0 5TH WHEEL RDG. 4851

HABELTIME PERSONNEL: VEHICLE GMF KPC CENTRAL WLC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (74)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 3
Facilitate

PHILADELPHIA ROUTE TEST

DATE 03/28/77 VEHICLE: TAPE # 37 FILE # 19 TEST # 19 PAGE 19 OF 28

CENTRAL: TAPE # 37 FILE # 19 TEST # 19

START : TIME 1517 PWR 28.0 5TH WHEEL RDG. 0

END : TIME 1523 PWR 28.0 5TH WHEEL RDG. 4835

HAZELTINE PERSONNEL : VEHICLE KBC, GAF CENTRAL WC

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

3/28/77 Philadelphia Fixed Route Test

Vehicle
Data

37 for both Central & Vehicle

FILE/ (TEST)	Vehicle start time	Vehicle end time	5th Wheel Start	End	Vehicle Power
20		15:30	0	4853	28
21		1536		4825	
22	1537	1544		4850	
23	1545	1554		4854	
24	1555	16:03		4829	
25	1604	16:15		4861	
26	16:15	16 27		4804	
27	16 27	16 40		4851	
28	16 48	17:00		4848	
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					

event 92 + 93 were punches
at the same time

LOG SHEETS

SPECIAL FIXED ROUTE TESTS (A)

25
~~35~~ TIMES

○ Test 4 Special Fixed Route (A) (¹⁸~~12~~ checkpoints).

Start at event 25 (left turn on Pine from 19th).

After event 36 (right turn onto W. Washington Square from S. Washington Square), the next event will be "64" (modified to be a left turn from W. Washington Square onto Walnut).

After event 70, end the run. Then turn left on 19th from Walnut, and begin the next run with the left turn on Pine (event 25).

In the software input file, modify the coordinates for event "64" to be 727,860 & 234,550 (for this test only). There will be no events 37 - 63. Make the following events additional check points:

31
33
~~35~~
36
"64"
66

Test Type 4

PHILADELPHIA Fixed Route ROUTE TEST

DATE 04/17/77 VEHICLE: TAPE # 33 FILE # 1 TEST # 1 PAGE 1 OF 25

CENTRAL: TAPE # 33 FILE # 1 TEST # 1

START : TIME 1140 PWR 27.5 5TH WHEEL RDG. 0

END : TIME 1213 PWR 27.5 5TH WHEEL RDG. 12600

HAMILTON PERSONNEL: VEHICLE FRI, GMF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 4
PHILADELPHIA Final Point ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 2 TEST # 2 PAGE 2 OF 25

CENTRAL: TAPE # 33 FILE # 2 TEST # 2

START : TIME 1215 PWR 27.5 5TH WHEEL RDG. 0

END : TIME 1245 PWR 27.5 5TH WHEEL RDG. 12600

HARLETTIME PERSONNEL : VEHICLE FRD, GMP CENTRAL PO

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test type 4
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 3 TEST # 3 PAGE 7 OF 25

CENTRAL: TAPE # 33 FILE # 3 TEST # 3

START : TIME 1353 PWR 27.5 5TH WHEEL RDG. C

END : TIME 1424 PWR 27.5 5TH WHEEL RDG. 12 223

HAZELTHORN PERSONNEL : VEHICLE FRD, Gm F CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 4
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 4 TEST # 4 PAGE 4 OF 25

CENTRAL: TAPE # 33 FILE # 4 TEST # 4

START : TIME 1427 PWR 27.5 5TH WHEEL RDG. 0

END : TIME 1500 PWR 27.5 5TH WHEEL RDG. 12600

HARLETIME PERSONNEL: VEHICLE FRD, GMP CENTRAL P2

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Text type 4

PHILADELPHIA FR ROUTE TEST

DATE 04/27/77 VEHICLE: TAPE # 33 FILE # 5 TEST # 5 PAGE 5 OF 25

CENTRAL: TAPE # 33 FILE # 5 TEST # 5

START : TIME 1519 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 1555 PWR 27.8 5TH WHEEL RDG. 11855

HAZELTINE PERSONNEL : VEHICLE FR 11, GNIF CENTRAL PL

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Isa Type 4
FR

PHILADELPHIA ROUTE TEST

DATE 6/4/77 VEHICLE: TAPE # 33 FILE # 6 TEST # 6 PAGE 6 OF 25

CENTRAL: TAPE # 33 FILE # 6 TEST # 6

START : TIME 1840 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 1858 PWR 27.8 5TH WHEEL RDG. 12696

HASZELTINE PERSONNEL: VEHICLE FORD, CRUISE CENTRAL Pa

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Test Type X
F 12

PHILADELPHIA _____ ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 7 TEST # 7 PAGE 7 OF 25

CENTRAL: TAPE # 33 FILE # 7 TEST # 7

START : TIME 1900 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 1915 PWR 27.8 5TH WHEEL RDG. 1944

HAZELTINE PERSONNEL: VEHICLE CMF, FRD CENTRAL PR

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type X

PHILADELPHIA F 12 ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 8 TEST # 8 PAGE 8 OF 25

CENTRAL: TAPE # 33 FILE # 8 TEST # 8

START : TIME 1917 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 1933 PWR 27.8 5TH WHEEL RDG. 12037

HARLTINE PERSONNEL: VEHICLE FRD, GMF CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Test Type 4
F R

PHILADELPHIA ROUTE TEST

DATE 14/07/97 VEHICLE: TAPE # 33 FILE # 9 TEST # 9 PAGE 7 OF 25

CENTRAL: TAPE # 33 FILE # 9 TEST # 9

START : TIME 1950 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2003 PWR 27.8 5TH WHEEL RDG. 12121

HAZELTINE PERSONNEL: VEHICLE FRD, FMF CENTRAL PN

WITNESSED BY _____
SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

TTY
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 10 TEST # 10 PAGE 10 OF 25

CENTRAL: TAPE # 33 FILE # 10 TEST # 10

START : TIME 2005 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2017 PWR 27.8 5TH WHEEL RDG. 12028

HARLELINE PERSONNEL : VEHICLE FRD GMF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (97)	
EVENT		COMMENTS					

774
FR

PHILADELPHIA _____ ROUTE TEST

DATE 6/4/77 VEHICLE: TAPE # 33 FILE # 11 TEST # 11 PAGE 11 OF 25

CENTRAL: TAPE # 33 FILE # 11 TEST # 11

START : TIME 2019 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2131 PWR 27.8 5TH WHEEL RDG. 11973

HARLETHAM PERSONNEL : VEHICLE FRD, GNF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

TTY
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 12 TEST # 12 PAGE 12 OF 25

CENTRAL: TAPE # 33 FILE # 12 TEST # 12

START : TIME 2033 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2046 PWR 27.8 5TH WHEEL RDG. 11964

HASBETH PERSONNEL : VEHICLE FRD, GMF CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (96)	
EVENT				COMMENTS			

TTY
FR

PHILADELPHIA _____ ROUTE TEST

DATE 08/07/77 VEHICLE: TAPE # 33 FILE # 13 TEST # 13 PAGE 13 OF 25

CENTRAL: TAPE # 33 FILE # 13 TEST # 13

START : TIME 2049 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2103 PWR 27.8 5TH WHEEL RDG. 12079

HASSETT: PERSONNEL : VEHICLE PRD, 6m F CENTRAL DN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (70)	12 (84)	14 (101)	
EVENT				COMMENTS			

TTY
FR

PHILADELPHIA _____ ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 33 FILE # 14 TEST # 14 PAGE 14 OF 25

CENTRAL: TAPE # 33 FILE # 14 TEST # 14

START : TIME 2106 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2119 PWR 27.8 5TH WHEEL RDG. 12018

HARLETHILL PERSONNEL : VEHICLE PRD, Gm F CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

TTY
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 35 FILE # 1 TEST # 15 PAGE 15 OF 25

CENTRAL: TAPE # 35 FILE # 1 TEST # 15

START : TIME 2134 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2145 PWR 27.8 5TH WHEEL RDG. 12042

HAZELTINE PERSONNEL : VEHICLE FRD G.M.F CENTRAL PN

WITNESSED BY _____
SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	

EVENT

COMMENTS

TT4
FR

PHILADELPHIA _____ ROUTE TEST

NOTE 04/07/77 VEHICLE: TAPE # 35 FILE # 2 TEST # 16 PAGE 6 OF 25

CENTRAL: TAPE # 35 FILE # 2 TEST # 16

START : TIME 2147 PWR 27.8 5TH WHEEL RDG. C

END : TIME 2200 PWR 27.8 5TH WHEEL RDG. 11957

HAZELTINE PERSONNEL : VEHICLE FRD, Amf CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	

EVENT

COMMENTS

TTY
FR

PHILADELPHIA

ROUTE TEST

DATE 04/27/77 VEHICLE: TAPE # 35 FILE # 3 TEST # 17 PAGE OF 25

CENTRAL: TAPE # 35 FILE # 3 TEST # 17

START : TIME 2202 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2219 PWR 27.8 5TH WHEEL RDG. 11951

HAZELTINE PERSONNEL : VEHICLE FRD, GMA CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	

EVENT

COMMENTS

TTY
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 35 FILE # 4 TEST # 13 PAGE OF 25

CENTRAL: TAPE # 35 FILE # 4 TEST # 13

START : TIME 2254 PWR. 27.8 5TH WHEEL RDG. 0

END : TIME 2307 PWR. 27.8 5TH WHEEL RDG. 12106

HAZELTINE PERSONNEL : VEHICLE FRD, Gmf CENTRAL PU

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	2 (24)	5 (42)	7 (55)	4 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	9 (72)	12 (84)	14 (101)	
EVENT	COMMENTS						

TTY
F4

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 35 FILE # 5 TEST # 11 PAGE OF 25

CENTRAL: TAPE # 75 FILE # 5 TEST # 11

START : TIME 2311 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2325 PWR 27.8 5TH WHEEL RDG. 11658

HAZELTINE PERSONNEL: VEHICLE FRD, GNF CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (77)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

Central time faster was 2320
instead of 2311

TTY
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 35 FILE # 5 TEST # 20 PAGE OF 25

CENTRAL: TAPE # 35 FILE # 5 TEST # 20

START : TIME 2328 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2340 PWR 27.8 5TH WHEEL RDG. 11009

HAZELTINE PERSONNEL : VEHICLE FRD, GNF CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	2 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (71)	12 (84)	14 (101)	
EVENT		COMMENTS					

Event 69 entered twice

Entered event 70 at 165th & at 175th

TT4
FR

PHILADELPHIA ROUTE TEST

DATE 04/07/77 VEHICLE: TAPE # 35 FILE # 7 TEST # 21 PAGE 21 OF 25

CENTRAL: TAPE # 35 FILE # 7 TEST # 21

START : TIME 2345 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 2355 PWR 27.8 5TH WHEEL RDG. 1860

HAZELTINE PERSONNEL : VEHICLE FRD, GmF CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

st. k.1 running

TT4
FR

PHILADELPHIA ROUTE TEST

DATE 04/02/77 VEHICLE: TAPE # 35 FILE # 8 TEST # 22 PAGE 22 OF 25

CENTRAL: TAPE # 35 FILE # 8 TEST # 22

START : TIME 2358 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 0008 PWR 27.8 5TH WHEEL RDG. 12.438

HAZELTINE PERSONNEL : VEHICLE FRD, GMP CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), * (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (116)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

End Line date should be 04/03/77

Kumay

714

FR

PHILADELPHIA _____ ROUTE TEST

DATE 04/18/77 VEHICLE: TAPE # 25 FILE # 9 TEST # 23 PAGE 23 OF 35CENTRAL: TAPE # 35 FILE # 9 TEST # 23START : TIME 0010 PWR 27.8 5TH WHEEL RDG. 0END : TIME 0019 PWR 27.8 5TH WHEEL RDG. 1206.2HAZELTINE PERSONNEL : VEHICLE FRD, GUF CENTRAL PR

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Header date should be 04/08/77

Raining

Test Type 4
FIR

PHILADELPHIA 10 ROUTE TEST

DATE 04/08/77 VEHICLE: TAPE # 35 FILE # 10 TEST # 24 PAGE 24 OF 25

CENTRAL: TAPE # 35 FILE # 10 TEST # 24

START : TIME 0021 PWR 278 5TH WHEEL RDG. 0

END : TIME 0030 PWR 278 5TH WHEEL RDG. 11979

HAZELTINE PERSONNEL: VEHICLE FRD, GMR CENTRAL PN

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT		COMMENTS					

Header date should be 04/08/77

Test Type X

PHILADELPHIA

F 12

ROUTE TEST

DATE 04/08/77

VEHICLE: TAPE # 35 FILE # 11 TEST # 25 PAGE 25 OF 25

CENTRAL: TAPE # 35 FILE # 11 TEST # 25

START : TIME 0032 PWR. 27.8 5TH WHEEL RDG. 0

END : TIME 0044 PWR. 27.8 5TH WHEEL RDG. 2011

HAZELTINE PERSONNEL: VEHICLE FRD, Gm F CENTRAL DA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (116)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

○

Harder date should be 04/03/77

LOG SHEETS
SPECIAL JUNIPER ROUTE TESTS

JUNIOR SPECIAL

PHILADELPHIA

ROUTE TEST

DATE 04/08/77

VEHICLE: TAPE # 35 FILE # 12 TEST # 1 PAGE 1 OF 2

CENTRAL: TAPE # 35 FILE # 12 TEST # 1

START : TIME 0054 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 0100 PWR 27.8 5TH WHEEL RDG. 3932

HARLETH: PERSONNEL : VEHICLE F P D, 6 M/F CENTRAL PW

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

○ *Event*

- 1 - *Juniper + 5th Penn Sq. Turn right*
- 2 - *Center of Chestnut*
- 3 - *Center of Sanson*
- 4 - *Center of Walnut*
- 5 - *Center of Locust*
- 6 - *Center of Spruce*

○

*Summer
Speed*

PHILADELPHIA _____ ROUTE TEST

DATE 04/05/77 VEHICLE: TAPE # 35 FILE # 13 TEST # 2 PAGE 2 OF 2

CENTRAL: TAPE # 35 FILE # 13 TEST # 2

START : TIME 0102 PWR 27.8 5TH WHEEL RDG. 0

END : TIME 0108 PWR 27.8 5TH WHEEL RDG. 2463

HAZELTINE PERSONNEL: VEHICLE FRD, GMP CENTRAL PA

WITNESSED BY _____

SIGNPOST PASSAGE : S (STOP) OR P (PASS), X (NO LIGHT)

1 (7)	3 (24)	5 (42)	7 (55)	9 (66)	11 (79)	13 (92)	15 (110)
2 (13)	4 (31)	6 (48)	8 (61)	10 (72)	12 (84)	14 (101)	
EVENT				COMMENTS			

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