

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[4088]
	*STATE CODE	[09]
	*SHRP SECTION ID	[4088]

HIGHWAY RT. NO. (THIS COUNT) 1-84

MILEPOST NO. OR LOCATION (THIS COUNT) 69.30

FILENAME See Attached Sheet 13A DISK ID \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ BEGINNING TIME \_\_\_\_\_

ENDING DATE \_\_\_\_\_ ENDING TIME \_\_\_\_\_

COUNT DURATION \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA \_\_\_\_\_ OTHER X

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS 15

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACHE SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE \_\_\_\_\_ PERMANENT X

EQUIPMENT MAKE/MODEL# IRD / WIM Electric

SENSOR TYPE IRD / Piezoelectric Cable

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

\_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

\_\_\_\_\_

COMMENTS \_\_\_\_\_

\_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>A. McDonnell</u>	PHONE <u>860-258-0308</u>
DATE PREPARED <u>10-31-00</u>	revised November 11, 1999

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[4085]
	*STATE CODE	[09]
	*SHRP SECTION ID	[A008]

HIGHWAY RT. NO. (THIS SESSION) I-84

MILEPOST NO. OR LOCATION (THIS SESSION) 69.30

FILENAME See Attached Sheet 13A DISK ID \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ BEGINNING TIME \_\_\_\_\_

ENDING DATE \_\_\_\_\_ ENDING TIME \_\_\_\_\_

COUNT DURATION \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# IRD/WIM Electronic

SENSOR TYPE IRD/ Piezoelectric Cable

VEHICLE CLASSIFICATION METHOD:

FHWA 13 bin in cols. 18-19 \_\_\_\_\_ FHWA 13 bin in cols. 18-23 \_\_\_\_\_ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACHE SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Testing against loaded

5-axle truck of known weight, and semi-  
annually and as needed

COMMENTS See attached vehicle weight data

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>A. McDonnell</u>	PHONE <u>860-258-0308</u>
DATE PREPARED <u>10-31-00</u>	revised November 11, 1999

**SHEET 13A (Con't)**  
**ATTACHMENT**  
**LTTP TRAFFICE DATA**  
**VEHICLE WEIGHT DATA**  
**TRANSMITTAL FORM**

\*STATE ASSIGNED ID [4088]  
 \*STATE CODE [09]  
 \*SHRP SECTION ID [4008]

<u>Filename</u>	<u>Start Date</u> mm/dd/yyyy	<u>Start Time</u> hh:mm	<u>End Date</u> mm/dd/yyyy	<u>End Time</u> hh:mm	<u>Class Scheme</u>
W094008.H99	6/9/1999	14:03	6/18/1999	7:54	A
C094008.HH9	6/18/1999	7:55	7/19/1999	16:18	A
W094008.HH9	6/18/1999	7:55	7/19/1999	16:18	A
CO94008.II9	7/19/1999	16:18	7/24/1999	5:22	A
W094008.II9	7/19/1999	16:18	7/24/1999	5:22	A
C094008.IN9	7/24/1999	5:27	7/25/1999	13:04	A
W094008.IN9	7/24/1999	5:27	7/25/1999	13:04	A
C094008.IO9	7/25/1999	13:04	8/5/1999	15:59	A
W094008.IO9	7/25/1999	13:04	8/5/1999	15:59	A
C094008.J59	8/5/1999	15:59	9/30/1999	23:57	A
W094008.J59	8/5/1999	15:59	9/30/1999	23:57	A
C094008.LD9	10/14/1999	0:00	11/30/1999	14:25	A
W094008.LD9	10/14/1999	0:00	11/30/1999	14:25	A
C094008.MT9	11/30/1999	14:25	12/1/1999	11:43	A
W094008.MT9	11/30/1999	14:25	12/1/1999	11:43	A
C094008.N19	12/1/1999	11:45	12/31/1999	23:58	A
W094008.N19	12/1/1999	11:45	12/31/1999	23:58	A
C094008.C1A	1/1/2000	0:04	1/11/2000	23:59	A
W094008.C1A	1/1/2000	0:04	1/23/2000	9:19	A
C094008.CMA	1/23/2000	9:08	4/19/2000	10:42	A
W094008.CMA	1/23/2000	9:08	4/19/2000	10:42	A
C094008.FIA	4/19/2000	13:54	4/20/2000	11:32	A
W094008.FIA	4/19/2000	13:54	4/20/2000	11:32	A
C094008.FJA	4/20/2000	14:25	4/27/2000	13:43	A
W094008.FJA	4/20/2000	14:25	4/27/2000	13:43	A
C094008.FQA	4/27/2000	13:48	6/12/2000	13:38	A
W094008.FQA	4/27/2000	13:48	6/12/2000	13:38	A

System not operating with corrects factors from  
 4/19/00- 5/4/00 when factors re-input.

PERSON LEADING CALIBRATION EFFORT:

Anne-Marie McDonnell

CONTACT INFORMATION: 860-258-0308

DATE PREPARED 10/19/00

**SHEET 13A (Con't)  
ATTACHMENT  
LTTP TRAFFICE DATA  
VEHICLE WEIGHT DATA  
TRANSMITTAL FORM**

\*STATE ASSIGNED ID [4088]  
\*STATE CODE [09]  
\*SHRP SECTION ID [4008]

<u>Filename</u>	<u>Start Date</u> mm/dd/yyyy	<u>Start Time</u> hh:mm	<u>End Date</u> mm/dd/yyyy	<u>End Time</u> hh:mm	<u>Class Scheme</u>
W094008.H99	6/9/1999	14:03	6/18/1999	7:54	A
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C094008.IN9	7/24/1999	5:27	7/25/1999	13:04	A
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C094008.J59	8/5/1999	15:59	9/30/1999	23:57	A
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C094008.MT9	11/30/1999	14:25	12/1/1999	11:43	A
W094008.MT9	11/30/1999	14:25	12/1/1999	11:43	A
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C094008.C1A	1/1/2000	0:04	1/11/2000	23:59	A
W094008.C1A	1/1/2000	0:04	1/23/2000	9:19	A
C094008.CMA	1/23/2000	9:08	4/19/2000	10:42	A
W094008.CMA	1/23/2000	9:08	4/19/2000	10:42	A
C094008.FIA	4/19/2000	13:54	4/20/2000	11:32	A
W094008.FIA	4/19/2000	13:54	4/20/2000	11:32	A
C094008.FJA	4/20/2000	14:25	4/27/2000	13:43	A
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System not operating with corrects factors from  
4/19/00- 5/4/00 when factors re-input.

PERSON LEADING CALIBRATION EFFORT:

Anne-Marie McDonnell

CONTACT INFORMATION: 860-258-0308

DATE PREPARED 10/19/00

<b>SHEET 15</b> <b>LTPP TRAFFIC DATA</b>  <b>LOG OF CHANGE AT GPS TEST LOCATIONS</b> <b>WITH PERM. AVC OR WIM</b>	*STATE ASSIGNED ID	[4088]
	*STATE CODE	[09]
	*SHRP SECTION ID	[A008]

LOCATION Manchester  
MP# 69.30

TYPE EQUIP. IRD  
MODEL # WIM Electric

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
10/01/99		Replaced Control Unit	Ed Block	258-0303	P/N 152027
		WIM software Upgrade to	Ed Block	258-0303	
		IRD 7.5 Rev A			
04/19/2000		WIM software upgrade to IRD	Ed Block	258-0303	P/N 152027
		7.5 Rev E			

revised November 11, 1999

<b>SHEET 16</b> <b>MONITORED TRAFFIC DATA</b> <b>LTPP PROGRAM</b>	*STATE ASSIGNED ID	14088
	*STATE CODE	109
	*SHRP SECTION ID	14008

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) 10/27/2000
2. \* TYPE OF EQUIPMENT CALIBRATED ☐ WIM ☐ CLASSIFIER ☒ BOTH
3. \* REASON FOR CALIBRATION  
☒ REGULARLY SCHEDULED SITE VISIT ☒ RESEARCH  
☐ EQUIPMENT REPLACEMENT ☐ TRAINING  
☐ DATA TRIGGERED SYSTEM REVISION ☐ NEW EQUIPMENT INSTALLATION  
☐ OTHER (SPECIFY) \_\_\_\_\_
4. \* SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):  
☐ BARE ROUND PIEZO CERAMIC ☐ BARE FLAT PIEZO ☐ BENDING PLATES  
☒ CHANNELIZED ROUND PIEZO ☐ LOAD CELLS ☐ QUARTZ PIEZO  
☐ CHANNELIZED FLAT PIEZO ☒ INDUCTANCE LOOPS ☐ CAPACITANCE PADS  
☐ OTHER (SPECIFY) \_\_\_\_\_
5. EQUIPMENT MANUFACTURER PHILLIPS SENSOR, IRD ELECTRONICS (INTERNATIONAL ROAD DYNAMICS)

ENTERED JUN 14 2002

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
☐ TRAFFIC STREAM ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS  
☐ NUMBER OF TRUCKS COMPARED ☐ 2 NUMBER OF TEST TRUCKS USED  
☐ 20 PASSES PER TRUCK  
 TRUCK TYPE SUSPENSION  
 TYPE PER FHWA 13 BIN SYSTEM 1 cl 9 air (1) on trailer  
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING 2 cl 9 leaf (2)  
 3 - OTHER (DESCRIBE) 3 \_\_\_\_\_
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
 MEAN DIFFERENCE BETWEEN ---  
 DYNAMIC AND STATIC GVW \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_  
 DYNAMIC AND STATIC SINGLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_  
 DYNAMIC AND STATIC DOUBLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_\_
8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 60 - 65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) \_\_\_\_\_
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N  
 IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: \_\_\_\_\_

CLASSIFIER TEST SPECIFICS\*\*\*

- 12.\*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
☒ VIDEO ☐ MANUAL ☐ PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT ☒ TIME ☐ NUMBER OF TRUCKS
14. MEAN HOURLY DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:  
 \*\*\* FHWA CLASS 9 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \*\*\* FHWA CLASS 8 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_  
 \_\_\_\_\_ FHWA CLASS \_\_\_\_\_
- \*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT: A. McDowell  
 CONTACT INFORMATION: 860-258-0300 rev. November 9, 1999

<b>SHEET 16A</b> <b>ATTACHMENT</b> <b>MONITORED TRAFFIC DATA</b> <b>LTPP PROGRAM</b>	*STATE ASSIGNED ID	[4088]
	*STATE CODE	[09]
	*SHRP SECTION ID	[4008]

Vehicle No.	Vehicle Type/Description
1	FHWA Class 9, air-ride suspension
2	FHWA Class 9, standard suspension (non-air ride)

Measurement errors (%) from static for lane 1

Pass Number	Vehicle Number	Lane Number	GVW 76.3	% err GVW
1	1	1	69.1	9.44%
2	1	1	70.5	7.60%
3	1	1	65.9	13.63%
4	1	1	69.9	8.39%
5	1	1	66.7	12.58%
6	1	1	79.4	-4.06%
7	1	1	67.6	11.40%
8	1	1	67.9	11.01%
9	1	1	68.9	9.70%
10	1	1	67.8	11.14%
11	1	1	73.3	3.93%
12	1	1	69.4	9.04%
13	1	1	70.7	7.34%
14	1	1	75.8	0.66%
15	1	1	74.6	2.23%
16	1	1	67.5	11.53%
17	1	1	67.6	11.40%
18	2	1	73.4	3.80%
19	2	1	66.7	12.58%
20	2	1	58.6	23.20%
21	2	1	64	16.12%
22	2	1	66.4	12.98%
23	2	1	67.6	11.40%
24	2	1	73.3	3.93%
25	2	1	68.2	10.62%
26	2	1	67	12.19%
27	2	1	67.8	11.14%
28	2	1	71.1	6.82%
29	2	1	75	1.70%
30	2	1	68.7	9.96%
31	2	1	75.8	0.66%
32	2	1	74.6	2.23%
33	2	1	67.5	11.53%
34	2	1	67.6	11.40%

GVW  
Avg 8.80%  
Std Dev 5.20%

Measurement errors (%) from static for lane 2

Pass Number	Lane Number	GVW 76.3	% err GVW
1	2	63.4	16.91%
2	2	64.1	15.99%
3	2	61.3	19.66%
4	2	63.9	16.25%
5	2	67.6	11.40%
6	2	63.9	16.25%
7	2	69.9	8.39%
8	2	77.9	-2.10%
9	2	63.3	17.04%

GVW  
Avg 13.31%  
Std Dev 6.30%

Field Calibration Date: April 2000

PERSON LEADING CALIBRATION EFFORT:	Anne-Marie McDonnell
CONTACT INFORMATION: 860-258-0308	DATE PREPARED 10/19/00