

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*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

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*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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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 15 LTPP TRAFFIC DATA LOG OF CHANGE AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM	*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

SHEET 16 MONITORED TRAFFIC DATA LTPP PROGRAM	*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

SHEET 16A ATTACHMENT MONITORED TRAFFIC DATA LTPP PROGRAM	*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