

**SHEET 13
ATTACHMENT
LTTP TRAFFICE DATA
VEHICLE WEIGHT DATA
TRANSMITTAL FORM**

*STATE ASSIGNED ID []
*STATE CODE [09]
*SHRP SECTION ID [090900]

Filename	Start Date	Start Time	End Date	End Time	Class Scheme	
	Mm/dd/yyyy	Hh:mm	Mm/dd/yyyy	Hh:mm		
C090900.FLD ✓	04/22/2003	00:00	06/08/2003	11:09	A	
W090900.FLD ✓	04/22/2003	00:00	06/08/2003	11:09	A	
C090900.H8D ✓	06/08/2003	11:15	07/22/2003	18:42	A	
W090900.H8D ✓	06/08/2003	11:15	07/22/2003	18:42	A	
C090900.N3D ✓	12/03/2003	23:36	12/31/2003	23:55	A	
W090900.N3D ✓	12/03/2003	23:36	12/31/2003	23:55	A	
C090900.C1E	01/01/2004	00:00	01/20/2004	10:59	A	
W090900.C1E	01/01/2004	00:00	01/20/2004	10:59	A	
C090900.CJE	01/20/2004	11:09	06/02/2004	10:20	A	
W090900.CJE	01/20/2004	11:09	06/02/2004	10:20	A	
C090900.H2E	06/02/2004	11:58	06/10/2004	13:34	A	
W090900.H2E	06/02/2004	11:58	06/10/2004	13:34	A	
C090900.H0E	06/10/2004	13:44	07/02/2004	15:24	A	
W090900.H0E	06/10/2004	13:44	07/02/2004	15:24	A	
C090900.I2E	07/02/2004	15:31	08/23/2004	12:59	A	
W090900.I2E	07/02/2004	15:31	08/23/2004	12:59	A	
C090900.JME	08/23/2004	13:12	12/01/2004	19:59	A	
W090900.JME	08/23/2004	13:12	12/01/2004	19:59	A	
C090900.CPG	01/26/2006	10:13	04/04/2006	21:59	A	
W090900.CPG	01/26/2006	10:13	04/04/2006	21:59	A	
C090900.F4G	04/04/2006	22:10	05/01/2006	10:38	A	
W090900.F4G	04/04/2006	22:10	05/01/2006	10:38	A	
C090900.G1G	05/01/2006	10:46	06/04/2006	13:47	A	
W090900.G1G	05/01/2006	10:46	06/04/2006	13:47	A	
C090900.H4G	06/04/2006	16:49	06/20/2006	09:45	A	
W090900.H4G	06/04/2006	16:49	06/20/2006	09:45	A	
C090900.HJG	06/20/2006	10:31	07/28/2006	18:15	A	
W090900.HJG	06/20/2006	10:31	07/28/2006	18:15	A	
C090900.IRG	07/28/2006	23:49	09/27/2006	09:40	A	
W090900.IRG	07/28/2006	23:49	09/27/2006	09:40	A	
C090900.HSH	06/29/2007	00:00	08/31/2007	23:57	A	
W090900.HSH	06/29/2007	00:00	08/31/2007	23:57	A	
C090900.JUH	08/31/2007	23:57	01/11/2008	00:03	A	
W090900.JUH	08/31/2007	23:57	01/11/2008	00:03	A	
C090900.CEI	01/15/2008	10:55	06/06/2008	13:47	A	
W090900.CEI	01/15/2008	10:55	06/06/2008	13:47	A	
C090900.HQI	06/27/2008	17:57	06/30/2008	02:57	A	
W090900.HQI	06/27/2008	17:57	06/30/2008	02:57	A	

PERSON LEADING CALIBRATION EFFORT: Anne-Marie McDonnell

CONTACT INFORMATION: 860-258-0308

DATE PREPARED 09/18/07

SHEET 13 ATTACHMENT LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[09]
	*SHRP SECTION ID	[090900]

Filename	Start Date	Start Time	End Date	End Time	Class Scheme	
	Mm/dd/yyyy	Hh:mm	Mm/dd/yyyy	Hh:mm		
C090900.N3B ✓	12/03/2001	00:00	12/04/2001	12:59	A	
W090900.N3B ✓	12/03/2001	00:00	12/04/2001	12:59	A	
C090900.N4B ✓	12/04/2001	13:04	12/18/2001	11:27	A	
W090900.N4B ✓	12/04/2001	13:04	12/18/2001	11:27	A	
C090900.NIB ✓	12/19/2001	00:00	12/31/2001	23:55	A	
W090900.NIB ✓	12/19/2001	00:00	12/31/2001	23:55	A	
C090900.C1C ✓	01/01/2002	00:00	03/20/2002	12:40	A	
W090900.C1C ✓	01/01/2002	00:00	03/20/2002	12:40	A	
C090900.EJC ✓	03/20/2002	12:53	04/02/2002	08:59	A	
W090900.EJC ✓	03/20/2002	12:53	04/02/2002	08:59	A	
C090900.F2C ✓	04/02/2002	09:11	06/03/2002	15:26	A	
W090900.F2C ✓	04/02/2002	09:11	06/03/2002	15:26	A	
C090900.H5C ✓	06/05/2002	15:03	06/12/2002	11:09	A	
W090900.H5C ✓	06/05/2002	15:03	06/12/2002	11:09	A	
C090900.HDC ✓	06/14/2002	07:54	06/28/2002	08:22	A	
W090900.HDC ✓	06/14/2002	07:54	06/28/2002	08:22	A	
C090900.HRC ✓	06/28/2002	08:33	07/02/2002	14:59	A	
W090900.HRC ✓	06/28/2002	08:33	07/02/2002	14:59	A	
C090900.I2C ✓	07/02/2002	15:11	07/25/2002	15:22	A	
W090900.I2C ✓	07/02/2002	15:11	07/25/2002	15:22	A	
C090900.IOC ✓	07/25/2002	15:39	07/29/2002	09:41	A	
W090900.IOC ✓	07/25/2002	15:39	07/29/2002	09:41	A	
C090900.ISC ✓	07/29/2002	09:49	08/15/2002	15:28	A	
W090900.ISC ✓	07/29/2002	09:49	08/15/2002	15:28	A	
C090900.JEC ✓	08/15/2002	15:32	08/19/2002	10:21	A	
W090900.JEC ✓	08/15/2002	15:32	08/19/2002	10:21	A	
C090900.JIC ✓	08/19/2002	10:23	09/05/2002	15:55	A	
W090900.JIC ✓	08/19/2002	10:23	09/05/2002	15:55	A	
C090900.LEC ✓	10/15/2002	09:45	12/18/2002	13:41	A	
W090900.LEC ✓	10/15/2002	09:45	12/18/2002	13:41	A	
C090900.NHC ✓	12/18/2002	13:51	12/31/2002	23:58	A	
W090900.NHC ✓	12/18/2002	13:51	12/31/2002	23:58	A	
C090900.C1D ✓	01/01/2003	00:00	01/07/2003	11:29	A	
W090900.C1D ✓	01/01/2003	00:00	01/07/2003	11:29	A	
C090900.C7D ✓	01/07/2003	11:33	04/03/2003	09:34	A	
W090900.C7D ✓	01/07/2003	11:33	04/03/2003	09:34	A	
C090900.F3D ✓	04/03/2003	09:46	04/21/2003	09:24	A	
W090900.F3D ✓	04/03/2003	09:46	04/21/2003	09:24	A	

PERSON LEADING CALIBRATION EFFORT: <u>Anne-Marie McDonnell</u> CONTACT INFORMATION: <u>860-258-0308</u>	DATE PREPARED <u>10/19/00</u>
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SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	ENTERED [07/21/2003] [090960]
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090960

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [07/21/2003]
2. * TYPE OF EQUIPMENT CALIBRATED X WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION
 REGULARLY SCHEDULED SITE VISIT X 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 X QUARTZ PIEZO
 CHANNELIZED FLAT PIEZO INDUCTANCE LOOPS CAPACITANCE PADS
 OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER KISTLER SENSOR, IRD ELECTRONICS

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
 TRAFFIC STREAM -- Y STATIC SCALE (Y/N) 2 TEST TRUCKS
 2 NUMBER OF TRUCKS COMPARED 2 NUMBER OF TEST TRUCKS USED

	<u> 14, 21 </u>	PASSES PER TRUCK
	TRUCK	TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	<u> 9 </u> <u> 1 </u>
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2	<u> 9 </u> <u> 1 </u>
3 - OTHER (DESCRIBE)	3	<u> SHEET 16 </u> TRUCKS COMBINED
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
 DYNAMIC AND STATIC GVW -1.55 STANDARD DEVIATION 2.85
 DYNAMIC AND STATIC SINGLE AXLES -4.64 STANDARD DEVIATION 3.35
 DYNAMIC AND STATIC DOUBLE AXLES -1.40 STANDARD DEVIATION 4.19
8. 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 55, 60, 65, 70
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) SENSOR 1 - 4.2369, SENSOR 2 - 6.1713, SENSOR 3 - 4.1044, SENSOR 4 - 4.4165
- 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 X MANUAL PARALLEL CLASSIFIERS
13. METHOD TO DETERMINE LENGTH OF COUNT TIME X NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 0.0 FHWA CLASS
 *** FHWA CLASS 8 0.0 FHWA CLASS
 FHWA CLASS
 FHWA CLASS
 *** PERCENT "UNCLASSIFIED" VEHICLES: 0.0

PERSON LEADING CALIBRATION EFFORT: <u> Anne-Marie McDonnell </u> CONTACT INFORMATION: <u> 860-258-0308 </u>	rev. November 9, 1999
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ENTERED APR 13 2003 *W*

<p align="center">SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY</p>	*STATE ASSIGNED ID	[]
	*STATE CODE	[09]
	*SHRP SECTION ID	[090900]

SITE CALIBRATION INFORMATION

- * DATE OF CALIBRATION (MONTH/DAY/YEAR) [07 /25 /2003]
- * TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☒ BOTH
- * REASON FOR CALIBRATION
☐ REGULARLY SCHEDULED SITE VISIT ☐ RESEARCH
☐ EQUIPMENT REPLACEMENT ☐ TRAINING
☐ DATA TRIGGERED SYSTEM REVISION ☐ NEW EQUIPMENT INSTALLATION
☐ OTHER (SPECIFY) _____
- * 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) _____
- EQUIPMENT MANUFACTURER KISTLER SENSOR, IRD ELECTRONICS

WIM SYSTEM CALIBRATION SPECIFICS**

- ** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☒ STATIC SCALE (Y/N) ☐ TEST TRUCKS
☒ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED 1
9 PASSES PER TRUCK

TRUCK	TYPE	SUSPENSION
1	<u>9</u>	<u>1</u>
2	_____	_____
3	<u>SHEET 16</u>	<u>1 of 1</u>

TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE)
- SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN --
DYNAMIC AND STATIC GVW -1.84 STANDARD DEVIATION 3.64
DYNAMIC AND STATIC SINGLE AXLES 1.44 STANDARD DEVIATION 3.96
DYNAMIC AND STATIC DOUBLE AXLES -2.51 STANDARD DEVIATION 4.00
- 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
- DEFINE THE SPEED RANGES USED (MPH) 60, 65, 70
- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) SENSOR 1 - 5.9500, SENSOR 2 - 5.9000, SENSOR 3 - 5.5000, SENSOR 4 - 5.9500
- ** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: _____

CLASSIFIER TEST SPECIFICS***

- *** METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:
☐ VIDEO ☒ MANUAL ☐ PARALLEL CLASSIFIERS
- METHOD TO DETERMINE LENGTH OF COUNT ☐ TIME ☒ NUMBER OF TRUCKS
- MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
*** FHWA CLASS 9 0.0 FHWA CLASS _____
*** FHWA CLASS 8 0.0 FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
*** PERCENT "UNCLASSIFIED" VEHICLES: 0.0

PERSON LEADING CALIBRATION EFFORT: Anne-Marie McDonnell
CONTACT INFORMATION: 860-258-0308 rev. November 9, 1999