

SHEET 13 ATTACHMENT LTTP TRAFFICE DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[]
	*STATE CODE	[09]
	*SHRP SECTION ID	[090960]

Filename	Start Date	Start Time	End Date	End Time	Class Scheme	
	Mm/dd/yyyy	Hh:mm	Mm/dd/yyyy	Hh:mm		
C090960.FLD✓	04/22/2003	00:00	06/08/2003	11:09	A	
W090960.FLD✓	04/22/2003	00:00	06/08/2003	11:09	A	
C090960.H8D✓	06/08/2003	11:15	07/22/2003	18:42	A	
W090960.H8D✓	06/08/2003	11:15	07/22/2003	18:42	A	
C090960.N3D✓	12/03/2003	23:36	12/31/2003	23:55	A	
W090960.N3D✓	12/03/2003	23:36	12/31/2003	23:55	A	
C090960.C1E	01/01/2004	00:00	01/20/2004	10:59	A	
W090960.C1E	01/01/2004	00:00	01/20/2004	10:59	A	
C090960.CJE	01/20/2004	11:09	06/02/2004	10:20	A	
W090960.CJE	01/20/2004	11:09	06/02/2004	10:20	A	
C090960.H2E	06/02/2004	11:58	06/10/2004	13:34	A	
W090960.H2E	06/02/2004	11:58	06/10/2004	13:34	A	
C090960.H0E	06/10/2004	13:44	07/02/2004	15:24	A	
W090960.H0E	06/10/2004	13:44	07/02/2004	15:24	A	
C090960.I2E	07/02/2004	15:31	08/23/2004	12:59	A	
W090960.I2E	07/02/2004	15:31	08/23/2004	12:59	A	
C090960.JME	08/23/2004	13:12	12/01/2004	19:59	A	
W090960.JME	08/23/2004	13:12	12/01/2004	19:59	A	
C090960.CPG	01/26/2006	10:13	04/04/2006	21:59	A	
W090960.CPG	01/26/2006	10:13	04/04/2006	21:59	A	
C090960.F4G	04/04/2006	22:10	05/01/2006	10:38	A	
W090960.F4G	04/04/2006	22:10	05/01/2006	10:38	A	
C090960.G1G	05/01/2006	10:46	06/04/2006	13:47	A	
W090960.G1G	05/01/2006	10:46	06/04/2006	13:47	A	
C090960.H4G	06/04/2006	16:49	06/20/2006	09:45	A	
W090960.H4G	06/04/2006	16:49	06/20/2006	09:45	A	
C090960.HJG	06/20/2006	10:31	07/28/2006	18:15	A	
W090960.HJG	06/20/2006	10:31	07/28/2006	18:15	A	
C090960.IRG	07/28/2006	23:49	09/27/2006	09:40	A	
W090960.IRG	07/28/2006	23:49	09/27/2006	09:40	A	
C090960.HSH	06/29/2007	00:00	08/31/2007	23:57	A	
W090960.HSH	06/29/2007	00:00	08/31/2007	23:57	A	
C090960.JUH	08/31/2007	23:57	01/11/2008	00:03	A	
W090960.JUH	08/31/2007	23:57	01/11/2008	00:03	A	
C090960.CEI	01/15/2008	10:55	06/06/2008	13:47	A	
W090960.CEI	01/15/2008	10:55	06/06/2008	13:47	A	
C090960.HQI	06/27/2008	17:57	06/30/2008	02:57	A	
W090960.HQI	06/27/2008	17:57	06/30/2008	02:57	A	

PERSON LEADING CALIBRATION EFFORT: <u>Anne-Marie McDonnell</u> CONTACT INFORMATION: <u>860-258-0308</u>	DATE PREPARED <u>09/18/07</u>
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SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [] *STATE CODE [09] *SHRP SECTION ID [090960]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [06 /02 /2004]
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
 1 NUMBER OF TRUCKS COMPARED 2 NUMBER OF TEST TRUCKS USED
 20 PASSES PER TRUCK

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

TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE) _____
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN --
 DYNAMIC AND STATIC GVW -1.24 STANDARD DEVIATION 4.29
 DYNAMIC AND STATIC SINGLE AXLES -1.39 STANDARD DEVIATION 2.64
 DYNAMIC AND STATIC DOUBLE AXLES -1.09 STANDARD DEVIATION 5.11
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 60, 65, 70
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) SENSOR 1 - 4.3645, SENSOR 2 - 6.3573, SENSOR 3 - 4.2279, SENSOR 4 - 4.2927
- 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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SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [] *STATE CODE [09] *SHRP SECTION ID [090960]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [06 /02 /2004]
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
 1 NUMBER OF TRUCKS COMPARED 2 NUMBER OF TEST TRUCKS USED
 14 PASSES PER TRUCK

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

TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE) _____
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
 DYNAMIC AND STATIC GVW -2.03 STANDARD DEVIATION 2.99
 DYNAMIC AND STATIC SINGLE AXLES -4.67 STANDARD DEVIATION 2.53
 DYNAMIC AND STATIC DOUBLE AXLES -2.05 STANDARD DEVIATION 3.60
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 - 4.3645, SENSOR 2 - 6.3573, SENSOR 3 - 4.2279, SENSOR 4 - 4.2927
- 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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