

<b>SHEET 13</b> <b>ATTACHMENT</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[]
	*STATE CODE	[09]
	*SHRP SECTION ID	[094008]

Filename	Start Date	Start Time	End Date	End Time	Class Scheme	
	Mm/dd/yyyy	Hh:mm	Mm/dd/yyyy	Hh:mm		
C094008.KED	09/15/2003	00:00	10/01/2003	17:19	A	
W094008.KED	09/15/2003	00:00	10/01/2003	17:19	A	
C094008.L1D	10/01/2003	17:29	11/19/2003	07:17	A	
W094008.L1D	10/01/2003	17:29	11/19/2003	07:17	A	
C094008.MID	11/19/2003	07:18	12/31/2003	23:54	A	
W094008.MID	11/19/2003	07:18	12/31/2003	23:54	A	
C094008.C1E	01/01/2004	00:00	01/29/2004	09:35	A	
W094008.C1E	01/01/2004	00:00	01/29/2004	09:35	A	
C094008.ESE	03/29/2004	10:41	04/07/2004	10:45	A	
W094008.ESE	03/29/2004	10:41	04/07/2004	10:45	A	
C094008.F7E	04/07/2004	12:02	04/09/2004	06:30	A	
W094008.F7E	04/07/2004	12:02	04/09/2004	06:30	A	
C094008.F9E	04/09/2004	06:36	04/14/2004	05:26	A	
W094008.F9E	04/09/2004	06:36	04/14/2004	05:26	A	
C094008.JNE	08/24/2004	13:47	09/06/2004	03:58	A	
W094008.JNE	08/24/2004	13:47	09/06/2004	03:58	A	
C094008.F7F	04/07/2005	14:05	05/04/2004	12:59	A	
W094008.F7F	04/07/2005	14:05	05/04/2004	12:59	A	
C094008.G4F	05/04/2005	13:22	06/04/2005	16:37	A	
W094008.G4F	05/04/2005	13:22	06/04/2005	16:37	A	
C094008.H4F	06/04/2005	16:40	07/26/2005	23:59	A	
W094008.H4F	06/04/2005	16:40	07/26/2005	23:59	A	
C094008.IQF	07/27/2005	04:55	08/14/2005	14:21	A	
W094008.IQF	07/27/2005	04:55	08/14/2005	14:21	A	
C094008.JDF	08/14/2005	16:06	08/27/2005	22:41	A	
W094008.JDF	08/14/2005	16:06	08/27/2005	22:41	A	
C094008.CHG	01/18/2006	12:53	01/26/2006	14:03	A	
W094008.CHG	01/18/2006	12:53	01/26/2006	14:03	A	
C094008.CPG	01/26/2006	14:06	06/19/2006	11:12	A	
W094008.CPG	01/26/2006	14:06	06/19/2006	11:12	A	
C094008.HIG	06/19/2006	13:04	06/20/2006	14:11	A	
W094008.HIG	06/19/2006	13:04	06/20/2006	14:11	A	
C094008.HJG	06/20/2006	14:16	07/06/2006	09:21	A	
W094008.HJG	06/20/2006	14:16	07/06/2006	09:21	A	
C094008.I6G	07/06/2006	09:26	07/13/2006	11:13	A	
W094008.I6G	07/06/2006	09:26	07/13/2006	11:13	A	
C094008.ICG	07/13/2006	14:54	07/14/2006	16:19	A	
W094008.ICG	07/13/2006	14:54	07/14/2006	16:19	A	

<b>PERSON LEADING CALIBRATION EFFORT:</b> <u>Anne-Marie McDonnell</u> <b>CONTACT INFORMATION:</b> <u>860-258-0308</u>	<b>DATE PREPARED</b> <u>10/19/00</u>
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<b>SHEET 13</b> <b>ATTACHMENT</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[]
	*STATE CODE	[09]
	*SHRP SECTION ID	[094008]

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C094008.CHG	01/18/2006	12:53	01/26/2006	14:03	A	
W094008.CHG	01/18/2006	12:53	01/26/2006	14:03	A	
C094008.CPG	01/26/2006	14:06	03/19/2006	00:00	A	
W094008.CPG	01/26/2006	14:06	03/19/2006	00:00	A	
C094008.EIG	03/19/2006	00:00	06/19/2006	11:12	A	
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C094008.HIG	06/19/2006	13:04	06/20/2006	14:11	A	
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C094008.HJG	06/20/2006	14:16	07/06/2006	09:21	A	
W094008.HJG	06/20/2006	14:16	07/06/2006	09:21	A	
C094008.I6G	07/06/2006	09:26	07/13/2006	11:13	A	
W094008.I6G	07/06/2006	09:26	07/13/2006	11:13	A	

<b>PERSON LEADING CALIBRATION EFFORT: <u>Anne-Marie McDonnell</u></b> <b>CONTACT INFORMATION: <u>860-258-0308</u></b>	<b>DATE PREPARED <u>05/15/2009</u></b>
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ENTERED APR 13 2005

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[ ]
	*STATE CODE	[09]
	*SHRP SECTION ID	[ 094008]

SITE CALIBRATION INFORMATION

- \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 06 /02 /2005 ]
- \* 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) 2 TEST TRUCKS  
☒ NUMBER OF TRUCKS COMPARED 2 NUMBER OF TEST TRUCKS USED  
19.12 PASSES PER TRUCK  

TRUCK	TYPE	SUSPENSION
1	<u>9</u>	<u>1</u>
2	<u>9</u>	<u>1</u>
3	<u>SHEET 16</u>	<u>TRUCK COMBINED</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 -3.35 STANDARD DEVIATION 7.98  
 DYNAMIC AND STATIC SINGLE AXLES 9.22 STANDARD DEVIATION 11.90  
 DYNAMIC AND STATIC DOUBLE AXLES -5.58 STANDARD DEVIATION 10.35
- 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
- DEFINE THE SPEED RANGES USED (MPH) 55, 60, 65, 70
- CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) SENSOR 1 - 5.6747, SENSOR 3 - 6.6699 *Aug 6.17*
- \*\* 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

<b>SHEET 16</b> <b>LTPP MONITORED TRAFFIC DATA</b> <b>SITE CALIBRATION SUMMARY</b>	*STATE ASSIGNED ID [ ] *STATE CODE [09] *SHRP SECTION ID [ 094008]
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SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 06 /09 /2005 ]
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  
 19  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  -4.62  STANDARD DEVIATION  4.27   
 DYNAMIC AND STATIC SINGLE AXLES  14.11  STANDARD DEVIATION  11.16   
 DYNAMIC AND STATIC DOUBLE AXLES  -8.74  STANDARD DEVIATION  4.82
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 - 5.6747, SENSOR 3 - 6.6699
- 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