

324

NAME OF PREPARER Sunil R. Patel PHONE NO. 717-772 2739
DATE PREPARED 4-23-98

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE
STATE CODE

Pennsylvania
42

FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C423044.FJ8</u>	<u>4/20/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421597.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/25/98</u>	<u>23:00</u>	<u>F</u>
<u>C421605.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421599.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421606.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C427037.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
<u>C421690.F18</u>	<u>4/1/98</u>	<u>00:00</u>	<u>6/30/98</u>	<u>23:00</u>	<u>F</u>
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NAME OF PREPARER Sunil R. Patel

PHONE NO. 717/772/2739

DATE PREPARED 7/23/98

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE
STATE CODE

Pennsylvania
42

FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C421597.FK8</u>	<u>4/21/98</u>	<u>00:00</u>	<u>4/27/98</u>	<u>23:00</u>	<u>F</u>
<u>W421597.FK8</u>	<u>4/21/98</u>	<u>00:00</u>	<u>4/27/98</u>	<u>23:00</u>	<u>F</u>
<u>C421599.FL8</u>	<u>4/22/98</u>	<u>00:00</u>	<u>4/28/98</u>	<u>23:00</u>	<u>f</u>
<u>W421599.FL8</u>	<u>4/22/98</u>	<u>00:00</u>	<u>4/28/98</u>	<u>23:00</u>	<u>f</u>
<u>C421606.FN8</u>	<u>4/24/98</u>	<u>00:00</u>	<u>4/30/98</u>	<u>23:00</u>	<u>f</u>
<u>W421606.FN8</u>	<u>4/24/98</u>	<u>00:00</u>	<u>4/30/98</u>	<u>23:00</u>	<u>f</u>
<u>C421605.G98</u>	<u>5/9/98</u>	<u>00:00</u>	<u>5/15/98</u>	<u>23:00</u>	<u>f</u>
<u>W421605.G98</u>	<u>5/9/98</u>	<u>00:00</u>	<u>5/15/98</u>	<u>23:00</u>	<u>f</u>
<u>C421690.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>W421690.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>C423044.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
<u>W423044.GP8</u>	<u>5/26/98</u>	<u>00:00</u>	<u>6/1/98</u>	<u>23:00</u>	<u>f</u>
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NAME OF PREPARER
DATE PREPARED

Sunil R. Patel
7/23/98

PHONE NO. 717-772 2739

SHEET 13 TRAFFIC DATA FILES TRANSMITTAL FORM	STATE:	PENNSYLVANIA
	STATE CODE:	42

File Name	Start Date mm/dd/yy	Start Time hh:mm	End Date mm/dd/yy	End Time hh:mm	Class Scheme	Counter Manufacturer
C421597.IR8	7/28/98	0	8/3/98	0	F	PAT
C421599.IL8	7/22/98	0	7/28/98	0	F	PAT
C421605.IG8	7/17/98	0	7/23/98	0	F	PAT
C241606.IL8	7/22/98	0	7/28/98	0	F	PAT
C421690.I98	7/9/98	0	7/15/98	0	F	PAT
C423044.J58	8/5/98	0	8/11/98	0	F	PAT
W421597.IR8	7/28/98	0	8/3/98	0	F	PAT
W421599.IL8	7/22/98	0	7/28/98	0	F	PAT
W421605.IG8	7/17/98	0	7/23/98	0	F	PAT
W241606.IL8	7/22/98	0	7/28/98	0	F	PAT
W421690.I98	7/9/98	0	7/15/98	0	F	PAT
W423044.J58	8/5/98	0	8/11/98	0	F	PAT
C421597.I38	7/3/98	0	9/29/98	2300	F	DIAMOND
C421599.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C421605.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C241606.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C421690.I18	7/1/98	0	9/30/98	2300	F	DIAMOND
C423044.I28	7/2/98	0	9/20/98	2300	F	DIAMOND
C421627.K48	9/4/98	0	9/25/98	2300	F	ECM
W421627.K48	9/4/98	0	9/25/98	2300	F	ECM

NAME OF PREPARER:	SUNIL PATEL	PHONE NO.:	717-772-2739
DATE PREPARED:	10/5/98		

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE
STATE CODE

Pennsylvania
42

FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C423044.M^H18</u>	<u>11/18/98</u>	<u>09:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421690.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421606.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421599.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421605.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C421597.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
<u>C427037.L18</u>	<u>10/1/98</u>	<u>00:00</u>	<u>12/31/98</u>	<u>23:00</u>	<u>f</u>
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NAME OF PREPARER Sunil Patel PHONE NO. (717) 772-2739
DATE PREPARED 1/4/99

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE
STATE CODE

Pennsylvania
42

FILENAME	START DATE mm / dd / yy	START TIME hh:mm	END DATE mm / dd / yy	END TIME hh:mm	CLASS. SCHEME
<u>C421627.mjs</u>	<u>11/20/98</u>	<u>00:00</u>	<u>11/26/98</u>	<u>23:00</u>	<u>F</u>
<u>W421627.mjs</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C423044.m68</u>	<u>11/6/98</u>	<u>00:00</u>	<u>11/12/98</u>	<u>23:00</u>	<u>F</u>
<u>W423044.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C421690.m68</u>	<u>11/10/98</u>	<u>00:00</u>	<u>11/16/98</u>	<u>23:00</u>	<u>F</u>
<u>W421690.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>F</u>
<u>C421606.m18</u>	<u>11/18/98</u>	<u>00:00</u>	<u>11/24/98</u>	<u>23:00</u>	<u>f</u>
<u>W421606.m18</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421599.LR8</u>	<u>10/28/98</u>	<u>00:00</u>	<u>11/3/98</u>	<u>23:00</u>	<u>f</u>
<u>W421599.LR8</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421605.m18</u>	<u>11/1/98</u>	<u>00:00</u>	<u>11/7/98</u>	<u>23:00</u>	<u>f</u>
<u>W421605.m18</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C421597.LK8</u>	<u>10/21/98</u>	<u>00:00</u>	<u>10/27/98</u>	<u>23:00</u>	<u>f</u>
<u>W421597.LK8</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>
<u>C429027.m68</u>	<u>11/6/98</u>	<u>00:00</u>	<u>11/12/98</u>	<u>23:00</u>	<u>f</u>
<u>W429027.m68</u>	<u>"</u>	<u>00:00</u>	<u>"</u>	<u>23:00</u>	<u>f</u>

NAME OF PREPARER

Sunil Patel

PHONE NO.

717 772 2739

DATE PREPARED

1/4/98

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [324]
*STATE CODE [42]
*SHRP SECTION ID [1599]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [04/21/1998]
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 PAT

ENTERED SEP 03 2003

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) 3S2 TEST TRUCKS
☐ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
10 PASSES PER TRUCK
TRUCK TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE)

TRUCK	TYPE	SUSPENSION
1	9	Air
2		
3		

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---
DYNAMIC AND STATIC GVV 2.66 STANDARD DEVIATION 2.2
DYNAMIC AND STATIC SINGLE AXLES STANDARD DEVIATION
DYNAMIC AND STATIC DOUBLE AXLES STANDARD DEVIATION

8. 5 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 31 24 37 38 27

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) N/A

- 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 DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION: N/A

*** FHWA CLASS 9	FHWA CLASS
*** FHWA CLASS 8	FHWA CLASS
	FHWA CLASS
	FHWA CLASS
	FHWA CLASS

4/21/98 Site #324 Highway

Calculating Percent of Non-Conforming Data Items

(must be within +/- 15% for Type II WIM system)

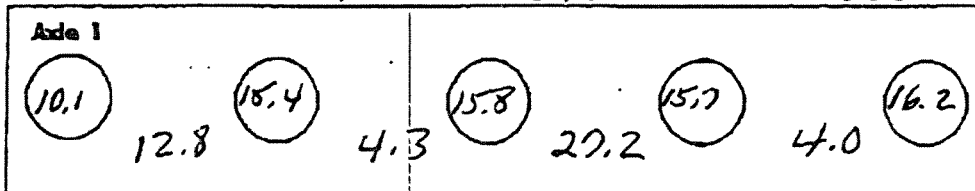
$$d=100[(C-R)/R]$$

d=difference in the value of the data item produced by the WIM system and the corresponding reference value expressed as a percent of the reference value, %

C=value of the data item (truck) produced by the WIM system

R=corresponding reference value for the data item (actual truck weight)

Vehicle class: 9 Truck #203465 Trailer #53316



Indicate above: Axle spacings, Axle weights

Site #
324

Pass #	Direction	Speed	C (WIM)	R (Reference)	d (Difference)	
1	W	31	76,500	73,200	+3300	+5%
2	W	31	76,300	73,200	+3100	+4%
3	W	31	76,800	73,200	+3600	+5%
4	W	24	77,400	73,200	+4200	+6%
5	W	37	75,300	73,200	+2100	+3%
6	W	37	73,500	73,200	+300	+0.1%
7	W	38	74,500	73,200	+1300	+2%
8	W	27	73,200	73,200	-0-	
9	W	27	75,100	73,200	+1900	+3%
10	W	27	72,900	73,200	-300	-0.1%
11						
12						
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20						

#16 pg 2

421599

4/21/98

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [324]
*STATE CODE [42]
*SHRP SECTION ID [1599]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [09/03/1998]
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) _____
- ENTERED SEP 03 2003**
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 PAT

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) 3S2 TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED

11 PASSES PER TRUCK

	TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	<u>9</u>	<u>Air</u>
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2		
3 - OTHER (DESCRIBE)	3		

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---

DYNAMIC AND STATIC GVW -4.59 STANDARD DEVIATION 1.4
DYNAMIC AND STATIC SINGLE AXLES STANDARD DEVIATION
DYNAMIC AND STATIC DOUBLE AXLES STANDARD DEVIATION

8. 6 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 44 43 38 33 32 37

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) N/A

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 DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION: N/A

*** FHWA CLASS 9	_____	FHWA CLASS	_____
*** FHWA CLASS 8	_____	FHWA CLASS	_____
		FHWA CLASS	_____
		FHWA CLASS	_____

*** PERCENT "UNCLASSIFIED" VEHICLES: _____

9/3/98 SR.0120 Ridgway

Calculating Percent of Non-Conforming Data Items

(must be within +/- 15% for Type II WIM system)

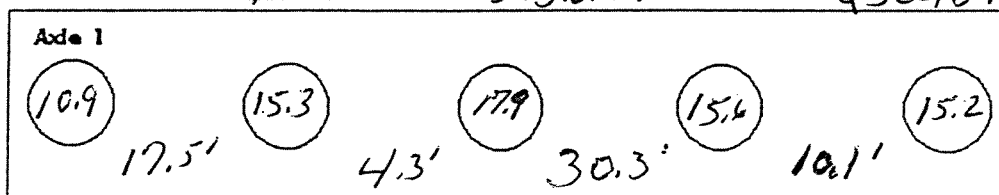
$$d=100[(C-R)/R]$$

d=difference in the value of the data item produced by the WIM system and the corresponding reference value expressed as a percent of the reference value, %

C=value of the data item (truck) produced by the WIM system

R=corresponding reference value for the data item (actual truck weight)

Vehicle class : 9 Truck #231247 Trailer #Q50484



Indicate above: Axle spacings, Axle weights

Site #324

Pass # Direction Speed C (WIM) R (Reference) d (Difference)

1	W	44	70,500	74,900	-4400	-6%
2	W	43	71,100	74,900	-3800	-5%
3	W	43	72,400	74,900	-2500	-3%
4	W	38	71,700	74,900	-3200	-4%
5	W	38	73,100	74,900	-1800	-2%
6	W	38	72,900	74,900	-2000	-3%
7	W	33	70,400	74,900	-4500	-6%
8	W	33	70,400	74,900	-4500	-6%
9	W	33	71,400	74,900	-3500	-5%
10	W	32	70,100	74,900	-4800	-6%
11	W	37	72,100	74,900	-2800	-4%
12				74,900		
13				74,900		
14				74,900		
15				74,900		
16				74,900		
17				74,900		
18				74,900		
19				74,900		

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421599
a/3/98