

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[136]
	*STATE CODE	[42]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS COUNT) I-80

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 1514/1515

FILENAME: C420600.IME DISK ID _____

BEGINNING DATE 7/23/04 BEGINNING TIME 12:00 am

ENDING DATE 9/30/04 ENDING TIME 11:59 pm

COUNT DURATION 70 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: ATR continuous counts used to develop seasonal adjustment factors which are applied to all 24 hour raw counts by month and by day of week.

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) NA

COMMENTS :

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John Parker</u>	PHONE <u>717-346-9973</u>
DATE PREPARED <u>10/20/04</u>	revised: May 23, 2001

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	*STATE CODE	[42]
	*SHRP SECTION ID	[_0600_]

HIGHWAY RT. NO. (THIS COUNT) I-80

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 1514/1515

FILENAME: C420600.L1E DISK ID _____

BEGINNING DATE 10/01/04 BEGINNING TIME 12:00 am

ENDING DATE 10/17/04 ENDING TIME 11:59 pm

COUNT DURATION 17 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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 BIN SYSTEM.

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NAME OF PREPARER <u>John Parker</u>	PHONE <u>717-346-9973</u>
DATE PREPARED <u>1/4/05</u>	revised: May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [136]
	*STATE CODE [42]
	*SHRP SECTION ID [0600]

HIGHWAY RT. NO. (THIS COUNT) I-80

MILEPOST NO. OR LOCATION (THIS COUNT) Segment
1514/1515

FILENAME: C420600.M1E DISK ID

BEGINNING DATE 11/01/04 BEGINNING TIME 12:00
am

ENDING DATE 11/21/04 ENDING TIME 11:59
pm

COUNT DURATION 21 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE PERMANENT X

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

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CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) NA

COMMENTS : FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

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HIGHWAY RT. NO. (THIS COUNT) I-80

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 1514/1515

FILENAME: C420600.NJE DISK ID _____

BEGINNING DATE 12/20/04 BEGINNING TIME 12:00 am

ENDING DATE 12/23/04 ENDING TIME 11:59 pm

COUNT DURATION 4 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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 BIN SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

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COMMENTS :

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NAME OF PREPARER <u>John Parker</u>	PHONE <u>717-346-9973</u>
DATE PREPARED <u>1/4/05</u>	revised: May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[136]
	*STATE CODE	[42]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS SESSION) I-80

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 1514/1515

FILENAME W420600.IME DISK ID _____

BEGINNING DATE 7/23/04 BEGINNING TIME 12:00 am

ENDING DATE 9/30/04 ENDING TIME 11:59 pm

COUNT DURATION 70 [] HOURS [X] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM X OTHER _____

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23
 7-card 6 digit Truck Weight study _____ W-card X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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: Test trucks, Spring and Fall

COMMENTS: Last Calibration was done 2/7/01. Site was restored 7/23/04.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John Parker</u>	PHONE: <u>717-346-9973</u>
DATE PREPARED _____	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[136]
	*STATE CODE	[42]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS SESSION) I-80

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 1514/1515

FILENAME W420600.L1E DISK ID _____

BEGINNING DATE 10/01/04 BEGINNING TIME 12:00 am

ENDING DATE 10/17/04 ENDING TIME 11:59 pm

COUNT DURATION 17 [] HOURS [X] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM X OTHER _____

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23
 7-card 6 digit Truck Weight study _____ W-card X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall

COMMENTS: See Sheet #16 for more detailed calibration information

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John Parker</u>	PHONE: <u>717-346-9973</u>
DATE PREPARED <u>1/4/05</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[136]
	*STATE CODE	[42]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS SESSION) I- 80

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 1514/1515

FILENAME W420600.M1E DISK ID _____

BEGINNING DATE 11/1/04 BEGINNING TIME 12:00
am

ENDING DATE 11/21/04 ENDING TIME 11:59
pm

COUNT DURATION 21 [] HOURS [X] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM X OTHER _____

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

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7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23
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NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

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COMMENTS: See Sheet #16 for more detailed calibration information

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SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[136]
	*STATE CODE	[42]
	*SHRP SECTION ID	[0600]

HIGHWAY RT. NO. (THIS SESSION) I-80

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 1514/1515

FILENAME W420600.NJE DISK ID _____

BEGINNING DATE 12/20/04 BEGINNING TIME 12:00 am

ENDING DATE 12/23/04 ENDING TIME 11:59 pm

COUNT DURATION 4 [] HOURS [X] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM _____ PERM. WIM X OTHER _____

EQUIPMENT MAKE/MODEL# PAT DAW 190

SENSOR TYPE PIEZO

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 _____ 7-card FHWA 13 bin in cols. 22-23
 7-card 6 digit Truck Weight study _____ W-card X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH 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: Test trucks, Spring and Fall

COMMENTS: See Sheet #16 for more detailed calibration information

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>John Parker</u>	PHONE: <u>717-346-9973</u>
DATE PREPARED <u>1/4/05</u>	revised May 23, 2001

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG	*STATE ASSIGNED ID *STATE CODE *SHRP [136] [42] [] SECTION ID [0600]	LOCATION INSTALLATION DATE 7/23/04
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	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment	DAW 190	PAT(IRD)	
Control Unit			
Interface			
Modem			
Loop Amplifiers			
Other			
Sensor(s) / Platform(s)	Kistler Quartz Piezo	Kistler	
LTPP Lane Sensor	Quartz		
Sensor Next Adjacent Lane (1)	Brass Linguini		
Senor Next Adjacent Lane (2)	Brass Linguini		
Sensor Next Adjacent Lane (3)	Brass Linguini		
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other			
Software	PAT REPORTER		
Complete Package			
Axle Spacing Algorithm Only			
Other			
Loops	2 loops per lane		
Upstream - Lane 1			
Downstream - Lane 1	Piezo-Loop-Piezo-Loop		
Upstream - Other Lanes			
Downstream - Other Lanes			

SHEET 16

LTPP MONITORED TRAFFIC DATA

SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID

[136]

*STATE CODE

[42]

*SHRP SECTION ID

[0600]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [11 / 05 / 04]
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM __ CLASSIFIER ☒ BOTH
3. * REASON FOR CALIBRATION
☒ REGULARLY SCHEDULED SITE VISIT
☐ EQUIPMENT REPLACEMENT
☐ DATA TRIGGERED SYSTEM REVISION
☐ OTHER (SPECIFY) _____
☐ RESEARCH
☐ TRAINING
☐ NEW EQUIPMENT INSTALLATION
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):
☐ BARE ROUND PIEZO CERAMIC
☐ CHANNELIZED ROUND PIEZO
☒ CHANNELIZED FLAT PIEZO
☐ BARE FLAT PIEZO
☐ LOAD CELLS
☒ INDUCTANCE LOOPS
☐ BENDING PLATES
☐ QUARTZ PIEZO
☐ CAPACITANCE PADS
☐ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER PAT DAW 190

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS

☐ NUMBER OF TRUCKS COMPARED ☐ 1 NUMBER OF TEST TRUCKS USED

	<input checked="" type="checkbox"/> 10	PASSES PER TRUCK
TRUCK	TYPE	SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM	1	1
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2	
3 - OTHER (DESCRIBE)	3	
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
MEAN DIFFERENCE BETWEEN --- See attached calibration form
DYNAMIC AND STATIC GVW 2.2 STANDARD DEVIATION 1.17
DYNAMIC AND STATIC SINGLE AXLES 0.5 STANDARD DEVIATION 1.17
DYNAMIC AND STATIC DOUBLE AXLES 7.3 STANDARD DEVIATION 3.08
8. 84 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 48, 49, 50, 45
 See attached calibration form
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) Not known
- 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:
*** FHWA CLASS 9 _____ FHWA CLASS _____
*** FHWA CLASS 8 _____ FHWA CLASS _____
FHWA CLASS _____
FHWA CLASS _____
*** PERCENT "UNCLASSIFIED" VEHICLES: _____

PERSON LEADING CALIBRATION EFFORT: John Parker

CONTACT INFORMATION: John Parker 717-346-9973

rev. November 9, 1999

Snow Shoe Site 136 Lane #4

WIM						Static					Speed
Seq #	GVW	F/A	T1	Axle 4	Axle 5	GVW	F/A	T1	Axle 4	Axle 5	
3241	76.90	11.00	33.70	16.80	15.40	74.60	11.00	31.90	16.60	15.10	48
3934	77.20	11.50	34.40	16.40	14.90	74.60	11.00	31.90	16.60	15.10	48
4545	74.80	10.80	32.60	16.40	15.00	74.60	11.00	31.90	16.60	15.10	49
5161	76.10	11.00	34.30	15.80	15.00	74.60	11.00	31.90	16.60	15.10	49
5788	77.40	11.30	35.30	15.90	14.90	74.60	11.00	31.90	16.60	15.10	48
6418	76.40	11.00	34.40	15.90	15.00	74.60	11.00	31.90	16.60	15.10	50
7081	76.70	11.00	35.30	15.90	14.50	74.60	11.00	31.90	16.60	15.10	49
7784	75.30	11.20	32.60	16.40	15.10	74.60	11.00	31.90	16.60	15.10	45
8500	76.00	11.00	35.00	15.50	14.50	74.60	11.00	31.90	16.60	15.10	50
9303	75.30	10.80	34.60	15.60	14.40	74.60	11.00	31.90	16.60	15.10	50
AVG =	76.21	11.06	34.22	16.06	14.87	74.60	11.00	31.90	16.60	15.10	

	GVW Error 3.08%	F/A Error 0.00%	T1 Error 5.64%	#4 Error 1.20%	#5 Error 1.99%
	3.49%	4.55%	7.84%	-1.20%	-1.32%
	0.27%	-1.82%	2.19%	-1.20%	-0.66%
	2.01%	0.00%	7.52%	-4.82%	-0.66%
	3.75%	2.73%	10.66%	-4.22%	-1.32%
	2.41%	0.00%	7.84%	-4.22%	-0.66%
	2.82%	0.00%	10.66%	-4.22%	-3.97%
	0.94%	1.82%	2.19%	-1.20%	0.00%
	1.88%	0.00%	9.72%	-6.63%	-3.97%
	0.94%	-1.82%	8.46%	-6.02%	-4.64%
AVG	76.2	11.1	34.2	16.1	14.9
Error	2.2%	0.5%	7.3%	-3.3%	-1.5%
St Dev	1.17%	1.97%	3.08%	2.51%	2.07%

Snow Shoe Site 136 Lane #4

WIM Axle Spacing					Test Truck Axle Spacing			
Seq #	1>2	2>3	3>4	4>5	1>2	2>3	3>4	4>5
3241	15.80	4.20	31.20	10.10	15.80	4.20	31.20	10.10
3934	15.80	4.20	31.20	10.10	15.80	4.20	31.20	10.10
4545	15.80	4.20	31.30	10.20	15.80	4.20	31.20	10.10
5161	15.80	4.20	31.10	10.10	15.80	4.20	31.20	10.10
5788	15.80	4.20	31.20	10.20	15.80	4.20	31.20	10.10
6418	15.80	4.20	31.30	10.10	15.80	4.20	31.20	10.10
7081	15.80	4.20	31.20	10.20	15.80	4.20	31.20	10.10
7784	15.80	4.20	31.20	10.10	15.80	4.20	31.20	10.10
8500	15.80	4.20	31.10	10.10	15.80	4.20	31.20	10.10
9303	15.70	4.20	31.10	10.10	15.80	4.20	31.20	10.10
AVG =	15.79	4.20	31.22	10.13	15.80	4.20	31.20	10.10

ERROR			
1>2	2>3	3>4	4>5
0.00%	0.00%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%
0.00%	0.00%	0.32%	0.99%
0.00%	0.00%	-0.32%	0.00%
0.00%	0.00%	0.00%	0.99%
0.00%	0.00%	0.32%	0.00%
0.00%	0.00%	0.00%	0.99%
0.00%	0.00%	0.00%	0.00%
0.00%	0.00%	-0.32%	0.00%
-0.63%	0.00%	-0.32%	0.00%
AVG	15.8	4.2	31.2
Error	-0.1%	0.0%	0.0%
St Dev	0.20%	0.00%	0.24%