

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [324]
	*STATE CODE [42]
	*SHRP SECTION ID [1599]

HIGHWAY RT. NO. (THIS COUNT) PA 120

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.C1J ✓ DISK ID _____

BEGINNING DATE 01/01/09 BEGINNING TIME 12:00 am

ENDING DATE 01/06/09 ENDING TIME 11:59 pm

COUNT DURATION 6 [] 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 : Site had power issues during 1st quarter 2009.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Todd Rottet</u>	PHONE <u>717-787-4574</u>
DATE PREPARED <u>06/24/09</u> revised: May 23, 2001	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[324]
	*STATE CODE	[42]
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HIGHWAY RT. NO. (THIS COUNT) PA 120

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.DDJ ✓ DISK ID _____

BEGINNING DATE 02/14/09 BEGINNING TIME 12:00 am

ENDING DATE 03/08/09 ENDING TIME 11:59 pm

COUNT DURATION 23 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

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

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MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.E0J ✓ DISK ID _____

BEGINNING DATE 03/10/09 BEGINNING TIME 12:00 am

ENDING DATE 03/31/09 ENDING TIME 11:59 pm

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

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

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HIGHWAY RT. NO. (THIS COUNT) PA 120

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FILENAME: C421599.F1J DISK ID

BEGINNING DATE 04/01/09 BEGINNING TIME 12:00 am

ENDING DATE 05/01/09 ENDING TIME 11:59 pm

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VEHICLE CLASSIFICATION METHOD: FHWA X OTHER

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DATE PREPARED <u>09/29/09</u> revised: <u>May 23, 2001</u>	

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HIGHWAY RT. NO. (THIS COUNT) PA 120

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.G7J DISK ID _____

BEGINNING DATE 05/07/09 BEGINNING TIME 12:00 am

ENDING DATE 06/17/09 ENDING TIME 11:59 pm

COUNT DURATION 42 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

NAME OF AGENCY CLASSIFICATION SCHEME: _____ NO. OF BINS

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HIGHWAY RT. NO. (THIS COUNT) PA 120

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0042

FILENAME: C421599.L2J ✓ DISK ID _____

BEGINNING DATE 10/02/09 BEGINNING TIME 12:00 am

ENDING DATE 12/31/09 ENDING TIME 11:59 pm

COUNT DURATION 91 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X OTHER _____

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SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[324]
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	*SHRP SECTION ID	[1599]

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BEGINNING DATE 01/01/09 BEGINNING TIME 12:00 am

ENDING DATE 01/06/09 ENDING TIME 11:59 pm

COUNT DURATION 6 [] 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 _____

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

COMMENTS: Site had power issues during 1st quarter 2009.

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NAME OF PREPARER <u>Todd Rottet</u>	PHONE: <u>717-787-4574</u>
DATE PREPARED <u>06/24/09</u>	revised May 23, 2001

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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall. No Fall 2009 Calibrations occurred.

COMMENTS: Site converted to electric on 10/01/09. New Loops and Piezos were installed as well.

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DATE PREPARED <u>03/30/10</u>	revised May 23, 2001

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

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

ENTERED JUN 25 2009
NW

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [03/26/09] ← Confirmed date with agency NW
[~~10/22/08~~]
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM __ CLASSIFIER ☒ BOTH
Spoke with agency only with Cal done. NW
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 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
__ 8 __ PASSES PER TRUCK
- | TRUCK | TYPE | SUSPENSION |
|-------|------|------------|
| 1 | 9 | 1 |
| 2 | | |
| 3 | | |
- 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 --- See attached calibration form below.
DYNAMIC AND STATIC GVW 2.8 STANDARD DEVIATION 3.1
DYNAMIC AND STATIC SINGLE AXLES -1.4 STANDARD DEVIATION 3.9
DYNAMIC AND STATIC DOUBLE AXLES 3.3 STANDARD DEVIATION 4.2
8. 4 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) ~~35-38~~ 35, 36, 37, 38
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: Steve Schroeder – IRD / Todd Rottet - PennDOT

CONTACT INFORMATION: Todd Rottet 717-787-4574

rev. November 9, 1999

*** See below for full calibration information:



International Road Dynamics Inc.

Clear
Verification

Calibration 2009

421599

Number	GVW	F/A	T1	T2	Total	1>2	2>3	3>4	4>5
1	77.7	10.4	32.5	34.8		16.5	4.5	30.5	10.3

Number	Run	Speed	GVW	F/A	T1	T2	Total	1>2	2>3	3>4	4>5
1	710	36	79.1	10.0	32.3	36.8		16.7	4.4	30.6	66.5
1	745	36	79.2	10.3	32.3	36.4		16.8	4.4	30.6	66.5
1	779	38	81.5	10.5	33.7	37.3		16.7	4.4	30.7	67.1
1	813	37	81.9	10.2	33.6	38.2		16.7	4.4	30.7	66.7
1	852	37	82.6	10.7	33.4	38.5		16.7	4.4	30.6	66.6
1	879	35	75.6	9.7	30.8	35.1		16.8	4.4	30.5	66.4
1	903	36	81.3	10.8	33.2	37.2		16.8	4.4	30.6	66.4
1	936	35	77.8	9.8	32.2	35.8		16.7	4.4	30.6	66.3

Mean:		79.9	10.3	32.7	36.9		16.7	4.4	30.6	66.6
Error:		2.8%	-1.4%	3.3%			14.1			
StdDev:		3.1%	3.9%	4.2%			24.7			
Confidence:	15%	3.4%	2.2%	4.1%			18.8			
ASTM Limits:		95%	95%	95%			95			
ASTM Conf:		100.0%	100.0%	100.0%			100.0%			

Date: 26/Mar/2009
Technician: Steven Schroeder
Location: 324 Ridgway

Lane 1

BPOvr1	####	PZOvr1	960	F/A	1000
CF1	920	CF2	870	CF3	870
Dist.	1186	Length	600		