

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 106 WB]
	*STATE CODE	[42]
	*SHRP SECTION ID	[ 3044 ]

HIGHWAY RT. NO. (THIS COUNT) I-78

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0340

FILENAME: C423044.11L ✓ DISK ID \_\_\_\_\_

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

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

COUNT DURATION 90 [ ] 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# iSINC - (IRD)

SENSOR TYPE KISTLER 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>Todd Rottet</u>	PHONE <u>717-787-4574</u>
DATE PREPARED <u>07/18/2011</u>	revised: May 23, 2001

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 106 WB]
	*STATE CODE	[42]
	*SHRP SECTION ID	[ 3044 ]

HIGHWAY RT. NO. (THIS COUNT) I-78

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0340

FILENAME: C423044.F1L ✓ DISK ID \_\_\_\_\_

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

ENDING DATE 06/30/11 ENDING TIME 11:59 pm

COUNT DURATION 91 [ ] 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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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 : \_\_\_\_\_

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NAME OF PREPARER <u>Todd Rottet</u>	PHONE <u>717-787-4574</u>
DATE PREPARED <u>07/21/2011</u>	revised: May 23, 2001

**SHEET 12  
LTPP TRAFFIC DATA**

**CLASSIFICATION DATA  
TRANSMITTAL FORM**

\*STATE ASSIGNED ID [ 106 WB]

\*STATE CODE [42]

\*SHRP SECTION ID [ 3044]

HIGHWAY RT. NO. (THIS COUNT) I-78

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0340

FILENAME: C423044.IIL ✓ DISK ID \_\_\_\_\_

BEGINNING DATE 07/01/11 BEGINNING TIME 12:00 am

ENDING DATE 09/30/11 ENDING TIME 11:59 pm

COUNT DURATION 92 [ ] 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# iSINC - (IRD)

SENSOR TYPE KISTLER 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 : \_\_\_\_\_

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NAME OF PREPARER Todd Rottet PHONE 717-787-4574  
DATE PREPARED 12/30/2011 revised: May 23, 2001

**SHEET 12**  
**LTPP TRAFFIC DATA**

**CLASSIFICATION DATA**  
**TRANSMITTAL FORM**

\*STATE ASSIGNED ID

[ 106 WB]

\*STATE CODE

[42]

\*SHRP SECTION ID

[ 3044 ]

HIGHWAY RT. NO. (THIS COUNT) I-78

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0340

FILENAME: C423044.L1L DISK ID \_\_\_\_\_

BEGINNING DATE 10/01/11 BEGINNING TIME 12:00 am

ENDING DATE 12/05/11 ENDING TIME 11:59 pm

COUNT DURATION 66 [ ] 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# iSINC - (IRD) installed on May 6<sup>th</sup>, 2009

SENSOR TYPE KISTLER 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: Fall Calibration completed Oct 25, 2011. See attached sheet 16 results.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Andrew O'Neill PHONE 717-787-4574  
DATE PREPARED 01/09/2012 revised: May 23, 2001

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ 106 WB ]
	*STATE CODE	[ 42 ]
	*SHRP SECTION ID	[ 3044 ]

HIGHWAY RT. NO. (THIS SESSION) I-99

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W423044.11L ✓ DISK ID \_\_\_\_\_

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

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

COUNT DURATION 20 [ ] HOURS [ X ] DAYS [ ] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# iSINC - (IRD)

SENSOR TYPE KISTLER 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: \_\_\_\_\_

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>07/18/2011</u>	revised May 23, 2001

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ 106 WB ]
	*STATE CODE [ 42 ]
	*SHRP SECTION ID [ 3044 ]

HIGHWAY RT. NO. (THIS SESSION) I-99

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W423044.F1L ✓ DISK ID \_\_\_\_\_

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

ENDING DATE 06/30/11 ENDING TIME 11:59 pm

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

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# iSINC - (IRD)

SENSOR TYPE KISTLER PIEZO

VEHICLE CLASSIFICATION METHOD:

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NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6  
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METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Spring and Fall

COMMENTS: \_\_\_\_\_

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NAME OF PREPARER <u>Todd Rottet</u>	PHONE: <u>717-787-4574</u>
DATE PREPARED <u>07/21/2011</u>	revised May 23,
2001	

**SHEET 13  
LTPP TRAFFIC DATA**

**VEHICLE WEIGHT DATA  
TRANSMITTAL FORM**

\*STATE ASSIGNED ID [ 106 WB ]

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 3044 ]

HIGHWAY RT. NO. (THIS SESSION) I-99

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W423044.I1L ✓ DISK ID \_\_\_\_\_

BEGINNING DATE 07/01/11 BEGINNING TIME 12:00 am

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COUNT DURATION 92 [ ] HOURS [ X ] DAYS [ ] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# iSINC - (IRD)

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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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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: 09/7-8/2011 are missing weight data. These days the files were corrupt.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Todd Rottet PHONE: 717-787-4574  
DATE PREPARED 12/30/2011 revised May 23,  
2001

**SHEET 13**  
**LTPP TRAFFIC DATA**  
**VEHICLE WEIGHT DATA**  
**TRANSMITTAL FORM**

\*STATE ASSIGNED ID [ 106 WB ]

\*STATE CODE [ 42 ]

\*SHRP SECTION ID [ 3044 ]

HIGHWAY RT. NO. (THIS SESSION) I-99

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W423044.L1L DISK ID \_\_\_\_\_

BEGINNING DATE 10/01/11 BEGINNING TIME 12:00 am

ENDING DATE 12/05/11 ENDING TIME 11:59 pm

COUNT DURATION 66 [ ] HOURS [ X ] DAYS [ ] MONTHS

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# iSINC - (IRD) installed on May 6<sup>th</sup>, 2009

SENSOR TYPE KISTLER PIEZO

**VEHICLE CLASSIFICATION METHOD:**

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 \_\_\_\_\_

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP/LTPP, PLEASE ATTACH SHEET 6  
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SHEET 7 DESCRIBING HOW THE AGENCY WOULD CONVERT ITS CLASSIFICATION  
SCHEME TO THE FHWA 13 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Test trucks, Fall

COMMENTS: Fall Calibration completed Oct 25, 2011. See attached sheet 16 results.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Andrew O'Neill PHONE: 717-346-3250  
DATE PREPARED 01/09/2012 revised May 23,  
2001



30/MAY/2012 C.O.

<b>SHEET 16</b> <b>LTPP MONITORED TRAFFIC DATA</b> <b>SITE CALIBRATION SUMMARY</b>	<b>*STATE ASSIGNED ID</b> [ 106 WB <b>*STATE CODE</b> [4 <b>*SHRP SECTION ID</b> [ 3044
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SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [ 10/25/2011]
2. \* TYPE OF EQUIPMENT CALIBRATED \_ WIM \_ CLASSIFIER \_X\_ BOTH
3. \* REASON FOR CALIBRATION  
\_X\_ 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 \_\_\_\_\_X\_ **Kistler** QUARTZ PIEZO  
\_\_\_\_ CHANNELIZED FLAT PIEZO \_\_\_\_\_X\_ INDUCTANCE LOOPS \_\_\_\_\_ CAPACITANCE PADS  
\_\_\_\_ OTHER (SPECIFY) \_\_\_\_\_
5. EQUIPMENT MANUFACTURER \_IRD - iSINC\_

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
\_\_\_\_ TRAFFIC STREAM -- \_\_\_\_ STATIC SCALE (Y/N) \_\_\_\_\_X\_ 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          | 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 below.  
DYNAMIC AND STATIC GVW \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_ . \_\_\_\_  
DYNAMIC AND STATIC SINGLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_ . \_\_\_\_  
DYNAMIC AND STATIC DOUBLE AXLES \_\_\_\_\_ STANDARD DEVIATION \_\_\_\_ . \_\_\_\_
8. \_\_\_\_\_ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) \_\_\_\_\_ 48-57
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: \_\_\_\_\_

12.\*\*\* METHOD FOR COLLECTING INDEPENDENT VOLUME MEASUREMENT BY VEHICLE CLASS:  
\_\_\_ VIDEO    X 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: Steven Schroeder – IRD / Joni Sharp - PennDOT

CONTACT INFORMATION: Andrew O'Neill 717-346-3250

rev. November

\*\*\* See below for full calibration information:



