

**SHEET 10
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT**

*STATE ASSIGNED ID [317]
*STATE CODE [4 2]
*SHRP SECTION ID [1606]

1. ANNUAL TRAFFIC ESTIMATES

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL'S/YR LTPP LANE (1000'S)
<u>04</u>	<u>9033</u>	<u>1670</u>	<u>3162</u>	<u>585</u>	<u>210</u>

**2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT
(TWO-WAY)**

- ☒ Growth factored last year's estimate. (6)
☐ Estimated based on volume counts at nearby locations. (3)
☐ Used computerized network analyses. (4)
☐ Factored a single count taken this year at the LTPP site. (1)
☐ Average multiple counts taken this year at the LTPP site. (2)
☐ Average and factored multiple count taken this year at the LTPP site. (5)
☐ Used flow maps. (7)
☐ Other: (8) _____

**3. METHOD FOR ESTIMATING TOTAL TRUCK AADT
(TWO-WAY)**

- ☐ Used system averages from counts taken this year. (6)
☐ Used count data from nearby sites. (3)
☒ Used count data from previous years at the LTPP site. (7)
☐ Used system averages from previous years. (8)
☐ Used computerized network analyses. (4)
☐ Used a single count taken this year at the LTPP site. (5)
☐ Factored a single count taken this year at the LTPP site. (1)
☐ Averaged multiple counts taken this year at the LTPP site. (2)
☐ Other: (9) _____

**4. METHOD FOR ESTIMATING TOTAL VEHICLES
LTPP LANE AADT**

- ☒ System distribution factors. (2)
☐ Based on actual lane count data. (1)
☐ Other: (3) _____

***5. METHOD FOR ESTIMATING TOTAL TRUCKS,
LTPP LANE, AADT**

- ☒ System distribution factors. (2)
☐ Based on actual lane data count. (1)
☐ Other: (3) _____

***6. METHOD FOR ESTIMATING ESAL//YEAR
IN LTPP LANE**

- ☐ ESAL/Truck factor (1)
☒ ESAL/Vehicle class. (2) (No. of classes) 8
☐ ESAL/Axle(3) Sing. _____ Tand. _____ Tri. _____
☐ Other: (4) _____

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Weight data collected at LTPP site prior years. (2)
☒ Weight data from system averages this year. (3)
☐ Weight data from system averages prior years. (4)
☐ Weight data from historic W-4 Tables used. (5)
☐ Other: (6) _____

8. WEIGHT SCALE TYPE

- ☐ WIM scale. (1)
☐ Static scale used for enforcement. (2)
☐ Static scale not used for enforcement. (3)
☒ Other: (4) None

ENTERED JUN 27 2005

D Marshall

NAME OF PREPARER John Parker

PHONE # 717-346-9973

DATE PREPARED June 2005

rev. March 12, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0214

FILENAME: C42 1606.C1E DISK ID _____

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

ENDING DATE 03/31/04 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.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL# PAT DAW 100

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>September 2004</u>	revised: May 23, 2001

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SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0214

FILENAME: C421606.F1E DISK ID _____

BEGINNING DATE 4/1/04 BEGINNING TIME 12:00 am

ENDING DATE 5/12/04 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

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 100

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 **SCANNED**

COMMENTS : : Last Calibration was May 2001. See previous 1st quarter Sheet 16 **2009**

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>09/30/04</u>	revised: May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0214

FILENAME: C421606.GJE DISK ID _____

BEGINNING DATE 5/20/04 BEGINNING TIME 12:00 am

ENDING DATE 6/30/04 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

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 100

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 : : Last Calibration was May 2001. See previous 1st quarter Sheet 16

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>09/30/04</u>	revised: May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [317]
	*STATE CODE [42]
	*SHRP SECTION ID [1606]

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

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0214

FILENAME: C421606.I1E DISK ID _____

BEGINNING DATE 7/1/04 BEGINNING TIME 12:00 am

ENDING DATE 9/30/04 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# PAT DAW 100

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 _____	revised: May 23, 2001

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [317]
	*STATE CODE [42]
	*SHRP SECTION ID [1606]

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

MILEPOST NO. OR LOCATION (THIS COUNT) Segment 0214

FILENAME: C421606.L1E DISK ID _____

BEGINNING DATE 10/1/04 BEGINNING TIME 12:00 am

ENDING DATE 12/31/04 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.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL# PAT DAW 100

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>1/4/05</u>	revised: May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W421606.C1E DISK ID _____

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

ENDING DATE 03/31/04 ENDING TIME 11:59 pm

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

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

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>September 2004</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W421606.F1E DISK ID _____

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

ENDING DATE 05/12/04 ENDING TIME 11:59
pm

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

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

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 May 2001. See previous 1st quarter Sheet 16

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>09/30/04</u>	revised May 23, 2001

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W421606.GJE DISK ID _____

BEGINNING DATE 05/20/04 BEGINNING TIME 12:00
am _____

ENDING DATE 06/30/04 ENDING TIME 11:59 pm

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

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

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 May 2001. See previous 1st quarter Sheet 16

SCANNED
FEB 16 2004
BY _____

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>09/30/04</u>	revised May 23, 2001

SHEET 13
LTPP TRAFFIC DATA
VEHICLE WEIGHT DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [317]
*STATE CODE [42]
*SHRP SECTION ID [1606]

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

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W421606.I1E DISK ID _____

BEGINNING DATE 7/1/04 BEGINNING TIME 12:00 am

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

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

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

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 May 2001. See previous 1st quarter 2004 Sheet 16

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

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

SCANNED

FEB 10 2005

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[317]
	*STATE CODE	[42]
	*SHRP SECTION ID	[1606]

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

MILEPOST NO. OR LOCATION (THIS SESSION) Segment 0214

FILENAME W421606.L1E DISK ID _____

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

ENDING DATE 12/31/04 ENDING TIME 11:59 pm

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

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

EQUIPMENT MAKE/MODEL# PAT DAW 100

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 _____	revised May 23, 2001

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [317]
*STATE CODE [42]
*SHRP SECTION ID [1606]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [9 / 20 / 04]
2. * TYPE OF EQUIPMENT CALIBRATED _ WIM _ CLASSIFIER _X_ BOTH
3. * REASON FOR CALIBRATION
X 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 ____ BARE FLAT PIEZO ____ BENDING PLATES
____ CHANNELIZED ROUND PIEZO ____ LOAD CELLS ____ QUARTZ PIEZO
X CHANNELIZED FLAT PIEZO _X_ INDUCTANCE LOOPS ____ CAPACITANCE PADS
____ OTHER (SPECIFY) _____
5. EQUIPMENT MANUFACTURER _PAT_ DAW 100

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
DYNAMIC AND STATIC GVW _____ STANDARD DEVIATION ____ . ____
DYNAMIC AND STATIC SINGLE AXLES _____ STANDARD DEVIATION ____ . ____
DYNAMIC AND STATIC DOUBLE AXLES _____ STANDARD DEVIATION ____ . ____
8. ____ 3 ____ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) _____
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 _X_ 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: _____ . _____

PERSON LEADING CALIBRATION EFFORT: John Parker
CONTACT INFORMATION: John Parker 717-346-9973

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [317]
*STATE CODE [42]
*SHRP SECTION ID [1606]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [9 / 20 / 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) _____
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 100

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
☐ 10 PASSES PER TRUCK
TRUCK TYPE SUSPENSION
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
DYNAMIC AND STATIC GVW -3.1 STANDARD DEVIATION 5.28
DYNAMIC AND STATIC SINGLE AXLES 0.4 STANDARD DEVIATION 6.14
DYNAMIC AND STATIC DOUBLE AXLES 3.55 STANDARD DEVIATION 5.35
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 61, 62, 63
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: N/A
*** 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