

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[1 0 3 3]

HIGHWAY RT. NO. (THIS COUNT): **US-202**

MILEPOST NO. OR LOCATION (THIS COUNT): **MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: C341033.C10 ✓

DISK ID:

BEGINNING DATE: **01-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **01-31-2014**

ENDING TIME: **24:00**

COUNT DURATION: **1** [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA **X** OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: **N/A** NO. OF BINS: **N/A**

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#: **International Road Dynamics' iSINC Piezo WIM System.**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.**

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: NO CLASS DATA ON JANUARY 3, 21-22 DUE TO SYSTEM PROBLEM. NO CLASS DATA SOUTHBOUND DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: <b>Eric M. Oberle</b>	PHONE: <b>(609)-530-2667</b>
DATE PREPARED: <b>February 24, 2014</b>	

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS COUNT): *US-202*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: C341033.D10 ✓

DISK ID:

BEGINNING DATE: *02-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *02-28-2014*

ENDING TIME: *24:00*

COUNT DURATION: *1* [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: *N/A* NO. OF BINS: *N/A*

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#: *International Road Dynamics' iSINC Piezo WIM System.*

SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: NO CLASS DATA ON FEBRUARY 3, 5, 13 DUE TO SYSTEM PROBLEM. NO CLASS DATA SOUTHBOUND DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: <i>Eric M. Oberle</i>	PHONE: <i>(609)-530-2667</i>
DATE PREPARED: <i>March 14, 2014</i>	

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS COUNT): *US-202*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: C341033.I10 ✓

DISK ID:

BEGINNING DATE: *07-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *07-31-2014*

ENDING TIME: *24:00*

COUNT DURATION: *1* [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: *N/A* NO. OF BINS: *N/A*

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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SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS:

NAME OF PREPARER: <i>Eric M. Oberle</i>	PHONE: <i>(609)-530-2667</i>
DATE PREPARED: <i>September 4, 2014</i>	

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS COUNT): *US-202*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: C341033.J10 ✓

DISK ID:

BEGINNING DATE: *08-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *08-31-2014*

ENDING TIME: *24:00*

COUNT DURATION: *1* [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: *N/A* NO. OF BINS: *N/A*

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#: *International Road Dynamics' iSINC Piezo WIM System.*

SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: *NO CLASS DATA NORTHBOUND ON AUGUST 27-31 DUE TO SYSTEM PROBLEM.*

NAME OF PREPARER: <i>Eric M. Oberle</i>	PHONE: <i>(609)-530-2667</i>
DATE PREPARED: <i>September 23, 2014</i>	

<b>SHEET 12</b>	*STATE ASSIGNED ID	[US-202]
<b>LTPP TRAFFIC DATA</b>	*STATE CODE	[3 4]
<b>CLASSIFICATION DATA</b>	*SHRP SECTION ID	[1 0 3 3]
<b>TRANSMITTAL FORM</b>		

HIGHWAY RT. NO. (THIS COUNT): *US-202*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: C341033.K10 ✓

DISK ID:

BEGINNING DATE: *09-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *09-30-2014*

ENDING TIME: *24:00*

COUNT DURATION: *1* [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: *N/A* NO. OF BINS: *N/A*

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#: *International Road Dynamics' iSINC Piezo WIM System.*

SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: NO CLASS DATA NORTHBOUND ON SEPTEMBER 1-6 DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: <i>Eric M. Oberle</i>	PHONE: <i>(609)-530-2667</i>
DATE PREPARED: <i>October 17, 2014</i>	

<b>SHEET 12</b> <b>LTTP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS COUNT): *US-202*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: C341033.L10 ✓

DISK ID:

BEGINNING DATE: *10-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *10-31-2014*

ENDING TIME: *24:00*

COUNT DURATION: *1* [ ] HOURS [ ] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME: *N/A* NO. OF BINS: *N/A*

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#: *International Road Dynamics' iSINC Piezo WIM System.*

SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: *NO CLASS DATA NORTHBOUND ON SEPTEMBER 1-6 DUE TO SYSTEM PROBLEM.*

NAME OF PREPARER: <i>M.Afrina Khandakar</i>	PHONE: <i>(609)-530-3508</i>
DATE PREPARED: <i>December 23, 2014</i>	

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS SESSION): **US-202**

MILEPOST NO. OR LOCATION (THIS SESSION): **MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: W341033.C10  
V341033.C10

DISK ID:

BEGINNING DATE: **01-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **01-31-2014**

ENDING TIME: **24:00**

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# **International Road Dynamics iSINC Piezo WIM System**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)**

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: **Calibration is field validated on each site once a year using one 3S2 vehicle loaded and statically weighed at about 70,000 to 80,000 pounds. A minimum of 20 passes is made per lane at highway speeds or until a consistent calibration tolerance of  $\pm 5$  percent of the gross test vehicle weight is achieved. The initial run consists of about 10 or more passes of the calibration vehicles and the weights recorded are averaged using only the consistently measured GVW. Another 10 or more passes are then made after inputting the new changes to confirm the calibration tolerances. The process is repeated until the required tolerance is satisfied.**

COMMENTS: NO WEIGHT OR VOLUME DATA ON JANUARY 3,21-22 DUE TO SYSTEM PROBLEM. NO WEIGHT DATA SOUTHBOUND DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: **Eric M. Oberle**  
DATE PREPARED: **February 24, 2014**

PHONE: **(609)-530-2667**

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS SESSION): **US-202**

MILEPOST NO. OR LOCATION (THIS SESSION): **MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: W341033.D1O ✓  
V341033.D1O

DISK ID:

BEGINNING DATE: **02-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **02-28-2014**

ENDING TIME: **24:00**

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# **International Road Dynamics iSINC Piezo WIM System**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)**

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.

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COMMENTS: NO WEIGHT OR VOLUME DATA ON FEBRUARY 3, 5, 13 DUE TO SYSTEM PROBLEM. NO WEIGHT DATA SOUTHBOUND DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: **Eric M. Oberle**  
DATE PREPARED: **March 14, 2014**

PHONE: **(609)-530-2667**



<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS SESSION): **US-202**

MILEPOST NO. OR LOCATION (THIS SESSION): **MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: W341033.I10 ✓  
V341033.I10

DISK ID:

BEGINNING DATE: **07-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **07-31-2014**

ENDING TIME: **24:00**

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# **International Road Dynamics iSINC Piezo WIM System**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)**

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.

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COMMENTS:

NAME OF PREPARER: <b>Eric M. Oberle</b>	PHONE: <b>(609)-530-2667</b>
DATE PREPARED: <b>September 4, 2014</b>	

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS SESSION): **US-202**

MILEPOST NO. OR LOCATION (THIS SESSION): **MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: W341033.J10 ✓  
V341033.J10

DISK ID:

BEGINNING DATE: **08-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **08-31-2014**

ENDING TIME: **24:00**

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# **International Road Dynamics iSINC Piezo WIM System**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)**

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.

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COMMENTS: NO WEIGHT DATA NORTHBOUND ON AUGUST 27-31 DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: <b>Eric M. Oberle</b>	PHONE: <b>(609)-530-2667</b>
DATE PREPARED: <b>September 23, 2014</b>	

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[ 1 0 3 3 ]

HIGHWAY RT. NO. (THIS SESSION): *US-202*

MILEPOST NO. OR LOCATION (THIS SESSION): *MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179*

FILENAME: W341033.K1O ✓  
V341033.K1O

DISK ID:

BEGINNING DATE: *09-01-2014*

BEGINNING TIME: *00:00*

ENDING DATE: *09-30-2014*

ENDING TIME: *24:00*

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# *International Road Dynamics iSINC Piezo WIM System*

SENSOR TYPE: *Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)*

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19

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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.

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COMMENTS: NO WEIGHT DATA NORTHBOUND ON SEPTEMBER 1-6 DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: *Eric M. Oberle*  
DATE PREPARED: *October 17, 2014*

PHONE: *(609)-530-2667*

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[US-202]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[1 0 3 3]

HIGHWAY RT. NO. (THIS SESSION): **US-202**

MILEPOST NO. OR LOCATION (THIS SESSION): **MP.3.5, East Amwell Township, 1 mile South of Route NJ - 179**

FILENAME: W341033.L1O ✓  
V341033.L1O

DISK ID:

BEGINNING DATE: **10-01-2014**

BEGINNING TIME: **00:00**

ENDING DATE: **10-31-2014**

ENDING TIME: **24:00**

COUNT DURATION: 1 [ ] HOURS [ ] DAYS [X] MONTHS

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

EQUIPMENT MAKE/MODEL# **International Road Dynamics iSINC Piezo WIM System**

SENSOR TYPE: **Each lane has two(2) loops and two (2) class I piezoelectric WIM sensors.(L-P-P-L)**

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.

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COMMENTS:

NAME OF PREPARER: <b>M.Afrina Khandakar</b>	PHONE: <b>(609)-530-3508</b>
DATE PREPARED: <b>December 23, 2014</b>	

**SHEET 16  
LTPP MONITORED TRAFFIC DATA  
SITE CALIBRATION SUMMARY**

\*STATE ASSIGNED ID [ US-202 ]  
\*STATE CODE [ 34 ]  
\*SHRP SECTION ID [ 1033 ]

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) [08/26/2014]
2. \* TYPE OF EQUIPMENT CALIBRATED   X   WIM        CLASSIFIER        BOTH
3. \* REASON FOR CALIBRATION  
       REGULARLY SCHEDULED SITE VISIT        RESEARCH  
       EQUIPMENT REPLACEMENT        TRAINING  
       DATA TRIGGERED SYSTEM REVISION        NEW EQUIPMENT INSTALLATION  
       LTPP VALIDATION        LTPP ASSESSMENT  
  X   OTHER (SPECIFY) SEMI-ANNUAL CALIBRATION
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 IRD

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\*CALIBRATION TECHNIQUE USED:  
 PROTOCOL: a. SOURCE 34 (101W2) b. BASIC METHOD T  
  1   NUMBER OF TRUCKS COMPARED   1   NUMBER OF TEST TRUCKS USED  
  8   PASSES PER TRUCK  

TRUCK	TYPE	SUSPENSION
1	<u>CLASS 9</u>	<u>1</u>
2	<u>      </u>	<u>      </u>
3	<u>      </u>	<u>      </u>

 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 ---

<b>LANE 1 (SB_Slow)</b>			
{	DYNAMIC AND STATIC GVW	<u>-3.9</u>	STANDARD DEVIATION <u>0.6</u> }
	DYNAMIC AND STATIC SINGLE AXLES	<u>-2.6</u>	
	DYNAMIC AND STATIC DOUBLE AXLES	<u>-4.1</u>	
<b>LANE 2 (SB_Pass)</b>			
	DYNAMIC AND STATIC GVW	<u>3.1</u>	STANDARD DEVIATION <u>2.3</u>
	DYNAMIC AND STATIC SINGLE AXLES	<u>3.0</u>	STANDARD DEVIATION <u>0.4</u>
	DYNAMIC AND STATIC DOUBLE AXLES	<u>3.2</u>	STANDARD DEVIATION <u>0.7</u>
<b>LANE 3 (NB_Pass)</b>			
	DYNAMIC AND STATIC GVW	<u>4.3</u>	STANDARD DEVIATION <u>2.2</u>
	DYNAMIC AND STATIC SINGLE AXLES	<u>-4.6</u>	STANDARD DEVIATION <u>0.4</u>
	DYNAMIC AND STATIC DOUBLE AXLES	<u>5.7</u>	STANDARD DEVIATION <u>0.9</u>

**LANE 4 (NB\_Slow)**

DYNAMIC AND STATIC GVW	<u>-4.3</u>	STANDARD DEVIATION	<u>3.9</u>
DYNAMIC AND STATIC SINGLE AXLES	<u>-8.5</u>	STANDARD DEVIATION	<u>0.6</u>
DYNAMIC AND STATIC DOUBLE AXLES	<u>-3.6</u>	STANDARD DEVIATION	<u>1.4</u>

8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED

9. DEFINE THE SPEED RANGES USED (MPH) 55-60

10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED):

SB_Slow	(Lane 1)	sensor 1: 8636	sensor 2: 8489
SB_Pass	(Lane 2)	sensor 1: 9662	sensor 2: 10027
NB_Pass	(Lane 3)	sensor 1: 11832	sensor 2: 10536
NB_Slow	(Lane 4)	sensor 1: 10602	sensor 2: 10731

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:

*** TMG CLASS 9	_____	TMG CLASS	_____
TMG CLASS	_____	TMG CLASS	_____
TMG CLASS	_____	TMG CLASS	_____

\*\*\* PERCENT "UNCLASSIFIED" VEHICLES: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT: CHRIS MEDINA, DIGITAL TRAFFIC SYSTEMS (DTS)  
CONTACT INFORMATION: ERIC OBERLE (609) 530-2667

ENTERED  
26/NOV/2014

C.O.