

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[1 0 3 0]

HIGHWAY RT. NO. (THIS COUNT): *NJ-23*

MILEPOST NO. OR LOCATION (THIS COUNT): *MP 23.8, West Milford Township, Passaic County*

FILENAME: C341030.IEP ✓

DISK ID:

BEGINNING DATE: *07-01-2015*

BEGINNING TIME: *00:00*

ENDING DATE: *07-31-2015*

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, (L-P-P-L) configuration.*

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

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

COMMENTS: NO CLASS DATA SOUTHBOUND ON JULY 1-15 DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: <i>M. Afrina Khandakar</i>	PHONE: <i>(609)-</i>
<i>530-2667</i> DATE PREPARED: <i>September 16, 2015</i>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
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COMMENTS

NAME OF PREPARER: *M. Afrina Khandakar*
DATE PREPARED: *October 19, 2015*

PHONE: *(609)-530-3508*

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NAME OF PREPARER: <i>M. Afrina Khandakar</i>	PHONE: <i>(609)-530-3508</i>
DATE PREPARED: <i>January 12, 2016</i>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
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COMMENTS

NAME OF PREPARER: <i>M. Afrina Khandakar</i>	PHONE: <i>(609)-530-3508</i>
DATE PREPARED: <i>January 13, 2016</i>	

SHEET 12 LTTP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
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CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS):

COMMENTS

NAME OF PREPARER: <i>M. Afrina Khandakar</i>	PHONE: <i>(609)-530-3508</i>
DATE PREPARED: <i>February 26, 2016</i>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
	*STATE CODE	[3 4]
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COMMENTS

NAME OF PREPARER: <i>M. Afrina Khandakar</i>	PHONE: <i>(609)-530-3508</i>
DATE PREPARED: <i>February 26, 2016</i>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[1 030]

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FILENAME : W341030.IEP ✓
V341030.IEP

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BEGINNING DATE: *07-15-2015*

BEGINNING TIME: *00:00*

ENDING DATE: *07-31-2015*

ENDING TIME: *24:00*

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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) configuration.*

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19
7-card 6 digit Truck Weight study

7-card FHWA 13 bin in cols. 22-23
W-card *X* OTHER

NAME OF AGENCY CLASSIFICATION SCHEME:

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COMMENTS: NO DATA ON JULY 1-15, DUE TO SYSTEM PROBLEM.

NAME OF PREPARER: *M. Afrina Khandakar*
DATE PREPARED: *September 16, 2015*

PHONE: *(609)-530-2667*

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID	[NJ-23]
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COMMENTS:

NAME OF PREPARER: *M. Afrina Khandakar*
DATE PREPARED: *October 19, 2015*

PHONE: *(609)-530-2667*

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DATE PREPARED: *January 12, 2016*

PHONE: *(609)-530-2667*

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NAME OF PREPARER: *M. Afrina Khandakar*
DATE PREPARED: *February 26, 2016*

PHONE: *(609)-530-2667*

SHEET 15 LTTP TRAFFIC DATA LOG OF CHANGE AT LTTP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[NJ-23]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[1 0 3 0]

Location: *West Milford Township, 3 miles North of Route Co. 513.*

TYPE EQUIP.: *Permanent WIM station*

MP # 23.8

MODEL # IRD 9303-2127

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGES	PHONE	EQUIP. SERIAL#
06-25-2015	1:00 PM	Replace loops and sensors	Jeff McClenaghan	306-653-9716	IRD iSINC W3

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [NJ-23] *STATE CODE [34] *SHRP SECTION ID [1030]
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SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [07 / 22 / 2015]
2. * TYPE OF EQUIPMENT CALIBRATED X WIM CLASSIFIER BOTH
3. * REASON FOR CALIBRATION

<u> </u> REGULARLY SCHEDULED SITE VISIT	<u> </u> RESEARCH
<u> </u> EQUIPMENT REPLACEMENT	<u> </u> TRAINING
<u> </u> DATA TRIGGERED SYSTEM REVISION	<u> </u> NEW EQUIPMENT INSTALLATION
<u> </u> LTPP VALIDATION	<u> </u> LTPP ASSESSMENT
<u> X </u> OTHER (SPECIFY) <u>SEMI-ANNUAL CALIBRATION</u>	
4. * SENSORS INSTALLED IN LTPP LANE AT THIS SITE (CHECK ALL THAT APPLY):

<u> </u> BARE ROUND PIEZO CERAMIC	<u> </u> BARE FLAT PIEZO	<u> </u> BENDING PLATES
<u> </u> CHANNELIZED ROUND PIEZO	<u> </u> LOAD CELLS	<u> </u> QUARTZ PIEZO
<u> </u> CHANNELIZED FLAT PIEZO	<u> X </u> INDUCTANCE LOOPS	<u> </u> CAPACITANCE PADS
<u> X </u> OTHER (SPECIFY) <u>KISTLER QUARTZ</u>		
5. EQUIPMENT MANUFACTURER IRD

WIM SYSTEM CALIBRATION SPECIFICS**

6.**CALIBRATION TECHNIQUE USED:

PROTOCOL: a. SOURCE 34 101 W2

b. BASIC METHOD I

 1 NUMBER OF TRUCKS COMPARED

 1 NUMBER OF TEST TRUCKS USED

 5 PASSES PER TRUCK

TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE)

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

7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)

MEAN DIFFERENCE BETWEEN ---

LANE 1 (NB_Slow)

DYNAMIC AND STATIC GVW	<u>0.0.3</u>	STANDARD DEVIATION	<u>0.7</u>
DYNAMIC AND STATIC SINGLE AXLES	<u>-3.4</u>	STANDARD DEVIATION	<u>1.6</u>
DYNAMIC AND STATIC DOUBLE AXLES	<u>0.3</u>	STANDARD DEVIATION	<u>1.3</u>

LANE 2 (NB_Pass)

DYNAMIC AND STATIC GVW	<u>-1.8</u>	STANDARD DEVIATION	<u>0.9</u>
DYNAMIC AND STATIC SINGLE AXLES	<u>-4.2</u>	STANDARD DEVIATION	<u>0.8</u>
DYNAMIC AND STATIC DOUBLE AXLES	<u>0.5</u>	STANDARD DEVIATION	<u>1.3</u>

LANE 3 (SB_Pass)

DYNAMIC AND STATIC GVW	<u>0.3.2</u>	STANDARD DEVIATION	<u>3.9</u>
DYNAMIC AND STATIC SINGLE AXLES	<u>-1.2</u>	STANDARD DEVIATION	<u>2.4</u>
DYNAMIC AND STATIC DOUBLE AXLES	<u>8.8</u>	STANDARD DEVIATION	<u>1.5</u>

LANE 4 (SB_Slow)			
DYNAMIC AND STATIC GVW	-1.9	STANDARD DEVIATION	2.4
DYNAMIC AND STATIC SINGLE AXLES	-6.5	STANDARD DEVIATION	1.7
DYNAMIC AND STATIC DOUBLE AXLES	1.4	STANDARD DEVIATION	4.5

8. ___ 1 ___ NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) ___ 45-50 ___
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED):
- | | | | |
|---------|----------|-----------------|-----------------|
| NB_Slow | (Lane 1) | sensor 1: 12429 | sensor 2: 10958 |
| NB_Pass | (Lane 2) | sensor 1: 11769 | sensor 2: 12711 |
| SB_Pass | (Lane 3) | sensor 1: 10811 | sensor 2: 10512 |
| SB_Slow | (Lane 4) | sensor 1: 10544 | sensor 2: 10865 |
- 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: <u>CHRIS MEDINA, DIGITAL TRAFFIC SYSTEMS (DTS)</u> CONTACT INFORMATION: <u>M. Afrina Khandakar (609) 530-3508</u>

ENTERED
11/JAN/2016
C.O .