

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 0500
Effective Date: 05/01/00Highway Route Number: I-195 WBMilepost Number: 9.50Location: Upper Freehold Township, 1.7 miles East of Route Co. 539Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Each lane has a single upstream loop and two (2) class I piezoelectric wim sensors.Weight Scale Type: Portable WIM: _____ Permanent WIM: X Other:Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Same as the above (permanent WIM system)Method of Calibration: Automatic - daily; Manual - Yearly (last calibrated - April 8, 2000) .Comments: May 2000-Missing data, May 2 ,26 due to the system failure.Date Prepared: July 17, 2000
Name of Preparer: Christopher I. ZajacFax Number: (609) 530-3514
Phone Number: (609) 530 4548

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 0500
Effective Date: 07/01/00Highway Route Number: I-195 WBMilepost Number: 9.50Location: Upper Freehold Township, 1.7 miles East of Route Co. 539Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Each lane has a single upstream loop and two (2) class I piezoelectric wim sensors.Weight Scale Type: Portable WIM: _____ Permanent WIM: X Other:Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Same as the above (permanent WIM system)Method of Calibration: Automatic - daily; Manual - Yearly (last calibrated - April 8, 2000).Comments: July 2000 - Missing data, July 18,19,25-27,31 due to the system failure.
August 2000 - Missing data, August 1,8,9,14,16,19,24,26,28 due to the system failure.Date Prepared: September 18, 2000
Name of Preparer: Christopher I. ZajacFax Number: (609) 530-3514
Phone Number: (609) 530 4548

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 0500
Effective Date: 09/01/00Highway Route Number: I-195 WBMilepost Number: 9.50Location: Upper Freehold Township, 1.7 miles East of Route Co. 539Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Each lane has a single upstream loop and two (2) class I piezoelectric wim sensors.Weight Scale Type: Portable WIM: _____ Permanent WIM: X Other:Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Same as the above (permanent WIM system)Method of Calibration: Automatic - daily; Manual - Yearly (last calibrated - April 8, 2000)Comments: *September 2000* – No data available due to the system failure.
October 2000 - Missing data, 10/01-15 & 10/22-31 due to the system failureDate Prepared: *November 6, 2000*
Name of Preparer: *Christopher I. Zajac*Fax Number: *(609) 530-3514*
Phone Number: *(609) 530 4548*

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 0500
Effective Date: 11/01/00Highway Route Number: I-195 WBMilepost Number: 9.50Location: Upper Freehold Township, 1.7 miles East of Route Co. 539Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Each lane has a single upstream loop and two (2) class I piezoelectric wim sensors.Weight Scale Type: Portable WIM: _____ Permanent WIM: X Other:Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: Same as the above (permanent WIM system)Method of Calibration: Automatic - daily; Manual - Yearly (last calibrated - April 8, 2000)Comments: *November 2000* – No data has been processed between November 01-21 due to the system failure.*December 2000* - Missing data on December 01,30,31 due to the system failure.Date Prepared: *January 4, 2001*
Name of Preparer: *Christopher I. Zajac*Fax Number: *(609) 530-3514*
Phone Number: *(609) 530 4548*

Sheet 13Traffic Data Files
Transmittal Form

State:

New Jersey

State Code:

34

FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	CLASS SCHEME
DIR 1011_195					
V341011.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
C341011.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
W341011.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
DIR 0500_195					
V340500.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
C340500.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
W340500.MKA	11/23/00	00:00	11/30/00	24:00	FHWA
DIR 1033_202					
V341033.M1A	11/01/00	00:00	11/30/00	24:00	FHWA
C341033.M1A	11/01/00	00:00	11/30/00	24:00	FHWA
DIR 1030_023					
V341030.M1A	11/01/00	00:00	11/17/00	24:00	FHWA
C341030.M1A	11/01/00	00:00	11/17/00	24:00	FHWA
W341030.M1A	11/01/00	00:00	11/17/00	24:00	FHWA
DIR 1003_015					
V341003.M1A	11/01/00	00:00	11/30/00	24:00	FHWA
C341003.M1A	11/01/00	00:00	11/30/00	24:00	FHWA
W341003.M1A	11/01/00	00:00	11/30/00	24:00	FHWA

Name of Preparer: ***Christopher I. Zajac***Phone Number: ***609/ 530-4548***Date Prepared: ***JANUARY 4, 2000***FAX Number: ***609/ 530-3514***

Sheet 13Traffic Data Files
Transmittal Form

State:

New Jersey

State Code:

34

FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	CLASS SCHEME
DIR 1011_195					
V341011.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
C341011.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
W341011.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
DIR 0500_195					
V340500.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
C340500.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
W340500.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
DIR 1033_202					
V341033.N1A	12/01/00	00:00	12/16/00	24:00	FHWA
C341033.N1A	12/01/00	00:00	12/16/00	24:00	FHWA
DIR 1030_023					
V341030.N6A	12/06/00	00:00	12/29/00	24:00	FHWA
C341030.N6A	12/06/00	00:00	12/29/00	24:00	FHWA
W341030.N6A	12/06/00	00:00	12/29/00	24:00	FHWA
DIR 1003_015					
V341003.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
C341003.N2A	12/02/00	00:00	12/29/00	24:00	FHWA
W341003.N2A	12/02/00	00:00	12/29/00	24:00	FHWA

Name of Preparer: ***Christopher I. Zajac***Phone Number: ***609/ 530-4548***Date Prepared: ***JANUARY 4, 2000***FAX Number: ***609/ 530-3514***

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1-195]
	*STATE CODE	[3 4]
	*SHRP SECTION ID	[0 5 0 0]

Location: *Upper Freehold Township, 1.7 miles East of Route Co. 539.*

TYPE EQUIP.: *Permanent WIM station*

MP # **9.5**

MODEL # IRD 9303-2133

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGES	PHONE	NEW EQUIP. SERIAL#
10-26-2000	10:00 AM	Replace a computer	Tim Stalwick	732-259-8634	IRD 0008-6498

Similar Site 0900

★

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[1-195]
	*STATE CODE	[34]
	*SHRP SECTION ID	[0500]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [05 / 27 / 2000]
2. * TYPE OF EQUIPMENT CALIBRATED ☒ WIM ☐ CLASSIFIER ☐ BOTH
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 IRD

ENTERED JUN 4 2002

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.** CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☒ STATIC SCALE (Y/N) ☒ TEST TRUCKS
- 1 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED
- 10 PASSES PER TRUCK
- | TRUCK | TYPE | SUSPENSION |
|-------|---------|------------|
| 1 | class 9 | 2 |
| 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 --- 1.5%
DYNAMIC AND STATIC GVW (D)82.74 (S)81.50 STANDARD DEVIATION 0.5
DYNAMIC AND STATIC SINGLE AXLES N/A STANDARD DEVIATION
DYNAMIC AND STATIC DOUBLE AXLES N/A STANDARD DEVIATION
8. 1 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 56-65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED):
WB_SLOW sensor 1: 0.58 sensor 2: 0.64
WB_PASS sensor 1: 0.776 sensor 2: 0.8
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) Y

IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: The auto-calibration is defined in 24 hours intervals. The method is set to *adjust after 50 trucks*, the number of auto-calibration class 9 trucks for the interval and the sum of front axle weights for the period are calculated and added to a running totals read from the ASCII file. If the number of trucks is less than 50 trucks required before adjust, then the new count and sum are stored in the file. If the number of accumulated trucks is greater than the user entered, then, as above, the error between the calculated mean front axle weight and the user entered Population Mean is determined. Temperature sensor is another factor that has an influence on auto-calibration process.

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 ☐
FHWA CLASS ☐
*** PERCENT "UNCLASSIFIED" VEHICLES: ☐

SCANNED

FEB 06 2008

PERSON LEADING CALIBRATION EFFORT: ED DATU
CONTACT INFORMATION: ED DATU (609)530-5379