

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 6057
Effective Date: 01/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 22, 2000)

Comments: No NB data has been submitted due to sensors failure.

February 2001 - Missing data on February 01,05,16-28 due to the system failure.

Date Prepared: March 5, 2001
Name of Preparer: Christopher I. ZajacFax Number: (609) 530-3514
Phone Number: (609) 530 4548

Sheet 12Traffic Data
Collection Site

State Assigned ID: _____

State Code: 34SHRP Section ID: 6057Effective Date: 03/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins: _____Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 - Dec. 5, 1998)Comments: No NB data submitted due to sensors failure.
March, 31-Missing data, March.31 (11:00-24:00) due to the system failureName of Preparer: Christopher I. ZajacDate Prepared: May 11, 2000Phone Number: (609) 530-4548FAX Number: (609) 530-3514

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 6057
Effective Date: 05/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 22, 2000)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: 6057
Effective Date: 07/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 22, 2000)Comments: No NB data has been submitted due to sensors failure.
July 2000 - Missing data, July 31 due to the system failure.

Sheet 12Traffic Data
Collection SiteState Code: 34
SHRP Section ID: 6057
Effective Date: 09/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 22, 2000)

Comments: No NB data has been submitted due to sensors failure.

Date Prepared: November 6, 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: 6057
Effective Date: 11/01/00Highway Route Number: I-95Milepost Number: 1.10Location: Ewing Township, 1 mile North of Scudder Falls Bridge (NJ-PA State Line)Vehicle Classification Method: FHWA: X Other: _____ #Bins:Type of Classification Equipment: Portable: _____ Permanent: XAVC Equipment Make/Model No: International Road Dynamics' Piezo WIM SystemSensor Type: The 2 outside lanes in each direction (lanes 1, 2, 5 & 6) have single upstream loop with 2 Class I piezoelectric WIM sensors and the inside lanes in each direction (lanes 3 & 4) have single upstream loops and 2 dynax sensors for classification only.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 22, 2000)

Comments: No NB data has been submitted due to sensors failure.
November 2000 – Missing data , November 2 & 20 due to the system failure.
December 2000 - Missing data , December 3-8 ,15-16 & 30-31 due to the system failure.

Date Prepared: January 4, 2001
Name of Preparer: Christopher I. ZajacFax Number: (609) 530-3514
Phone Number: (609) 530 4548

Sheet 13Traffic Data Files
Transmittal FormState: **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 6057_095					
V346057.c1a	01/01/00	00:00	01/31/00	24:00	FHWA
C346057.c1a	01/01/00	00:00	01/31/00	24:00	FHWA
W346057.c1a	01/01/00	00:00	01/31/00	24:00	FHWA

Name of Preparer: **Christopher I. Zajac**Phone Number: **609/ 530-4548**Date Prepared: **March 22, 2000**FAX Number: **609/ 530-3514**

Sheet 13Traffic Data Files
Transmittal FormState:
State Code:**New Jersey**
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FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	CLASS SCHEME
DIR 6057_095					
V346057.d1a	02/01/00	00:00	02/29/00	24:00	FHWA
C346057.d1a	02/01/00	00:00	02/29/00	24:00	FHWA
W346057.d1a	02/01/00	00:00	02/29/00	24:00	FHWA

Name of Preparer: **Christopher I. Zajac**Phone Number: **609/ 530-4548**Date Prepared: **March 22, 2000**FAX Number: **609/ 530-3514**

Sheet 13Traffic Data Files
Transmittal FormState:
State Code:**New Jersey**
34

FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	E1ASS SCHEME
DIR 6057_095					
V346057.E1A ✓	03/01/00	00:00	03/31/00	11:00	FHWA
C346057.E1A ✓	03/01/00	00:00	03/31/00	11:00	FHWA
W346057.E1A ✓	03/01/00	00:00	03/31/00	11:00	FHWA

Name of Preparer: **Christopher I. Zajac**Phone Number: **609/ 530-4548**Date Prepared: **April 24, 2000**FAX Number: **609/ 530-3514**

Sheet 13**Traffic Data Files
Transmittal Form**State:
State Code:**New Jersey**
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FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	E1ASS SCHEME
DIR 6057_095					
V346057.F1A ✓	04/01/00	00:00	04/30/00	24:00	FHWA
C346057.F1A ✓	04/01/00	00:00	04/30/00	24:00	FHWA
W346057.F1A ✓	04/01/00	00:00	04/30/00	24:00	FHWA

Name of Preparer: **Christopher I. Zajac**Phone Number: **609/ 530-4548**Date Prepared: **May 11, 2000**FAX Number: **609/ 530-3514**

Sheet 13

Traffic Data Files Transmittal Form

State:
State Code:

New Jersey
3 4

FILENAME	START DATE (mm / dd / yy)	START TIME (hh:mm)	END DATE (mm / dd / yy)	END TIME (hh:mm)	EIASS SCHEME
DIR 6057_095					
V346057.G1A	05/01/00	00:00	05/31/00	24:00	FHWA
C346057.G1A	05/01/00	00:00	05/31/00	24:00	FHWA
W346057.G1A	05/01/00	00:00	05/31/00	24:00	FHWA

Name of Preparer: **Christopher I. Zajac**

Phone Number: **609/ 530-4548**

Date Prepared: **JUNE 26, 2000**

FAX Number: **609/ 530-3514**

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 Traffic Data Files
 Transmittal Form

State: **New Jersey**
 State Code: **34**

Sheet 13
 Traffic Data Files
 Transmittal Form

State: **New Jersey**
 State Code: **34**

[illegible]

Name of Preparer: ***Christopher I. Zajac*** Phone Number: ***609/ 530-4548***
Date Prepared: ***JULY 14, 2000*** FAX Number: ***609/ 530-3514***

Name of Preparer: ***Christopher I. Zajac*** Phone Number: ***609/ 530-4548***
Date Prepared: ***JULY 14, 2000*** FAX Number: ***609/ 530-3514***

Date Prepared: **JULY 14, 2000** FAX Number: **609/ 530-3514**

Date Prepared: **JULY 14, 2000** FAX Number: **609/ 530-3514**

Traffic Data Files
Transmittal Form

State: New Jersey
State Code: 34

[illegible]

Phone Number: **609/ 530-4548**

FAX Number: **609/ 530-3514**

Traffic Data Files
Transmittal Form

State: New Jersey
State Code: 34

[illegible]

Name of Preparer: **Christopher I. Zajac**

Phone Number: **609/ 530-4548**

Date Prepared: **SEPTEMBER 15, 2000**

FAX Number: **609/ 530-3514**

Traffic Data Files
Transmittal Form

State: New Jersey
State Code: 34

[illegible]

FAX Number: **609/ 530-3514**

Traffic Data Files
Transmittal Form

State: New Jersey
State Code: 34

Name of Preparer: <i>Christopher I. Zajac</i>	Phone Number: <i>609/ 530-4548</i>
Date Prepared: <i>NOVEMBER 6, 2000</i>	FAX Number: <i>609/ 530-3514</i>

Traffic Data Files
Transmittal Form

New Jersey

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

Traffic Data Files Transmittal Form

New Jersey

34

Name of Preparer: ***Christopher I. Zajac*** Phone Number: ***609/ 530-4548***

Date Prepared: ***JANUARY 4, 2000*** FAX Number: ***609/ 530-3514***

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[1-95]
	*STATE CODE	[34]
	*SHRP SECTION ID	[6057]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [04 / 22 / 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) DYNAX
5. EQUIPMENT MANUFACTURER _____

ENTERED JUN : 4 2002

WIM SYSTEM CALIBRATION SPECIFICS**

- 6.**CALIBRATION TECHNIQUE USED:
☐ TRAFFIC STREAM -- ☒ STATIC SCALE (Y/N) ☒ TEST TRUCKS
- ☒ NUMBER OF TRUCKS COMPARED _____ ☐ NUMBER OF TEST TRUCKS USED _____
- TRF-91
- | TYPE PER FHWA 13 BIN SYSTEM | | 10 PASSES PER TRUCK | |
|-----------------------------|-------|---------------------|------------|
| SUSPENSION: | TRUCK | TYPE | SUSPENSION |
| 1 - AIR; 2 - LEAF SPRING | 1 | class 9 | 2 |
| 3 - OTHER (DESCRIBE) | 2 | | |
| | 3 | | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN ---
 DYNAMIC AND STATIC GVW (D)81.4 (S)84.02 STANDARD DEVIATION 1.01
 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) 49 - 55
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED):
 SB_SLOW sensor 1: 0.85 sensor 2: 1.112
 SB_MIDDLE sensor 1: 0.84 sensor 2: 1.53

- 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 _____
 *** PERCENT "UNCLASSIFIED" VEHICLES: _____

SCANNED

FEB 04 2003

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