

|   |   |
|---|---|
| <b>SHEET 10</b><br><b>LTPP TRAFFIC DATA</b><br><br><b>TRAFFIC VOLUME AND LOAD</b><br><b>ESTIMATE UPDATE-NO SITE COUNT</b> | *STATE ASSIGNED ID <span style="float: right;">[ I-95 ]</span><br>*STATE CODE <span style="float: right;">[ 34 ]</span><br>*SHRP SECTION ID <span style="float: right;">[ 6057 ]</span> |
|---|---|

**1. ANNUAL TRAFFIC ESTIMATES**

| *YEAR | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL TRUCK<br>AADT<br>(TWO-WAY) | ESTIMATED<br>TOTAL VEHICLES<br>AADT<br>LTPP LANE | *ESTIMATED<br>TOTAL TRUCKS<br>AADT<br>LTPP LANE | *ESTIMATED<br>ESAL=S/YR<br>LTPP LANE<br>(1000'S) |
|-------|--|---|--|---|--|
| 1999  | 57281  | 6592  | 8883   | 2303  | 622  |

**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) Growth Factor

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

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

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

- ☒ ESAL/Truck factor (1)
- ☐ ESAL/Vehicle class. (2) (No. of classes)
- ☐ 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)

NAME OF PREPARER Abid Ikram  
 DATE PREPARED Aug 21/00

PHONE# \_\_\_\_\_

**Sheet 12**Traffic Data  
Collection SiteState Assigned ID: \_\_\_\_\_  
State Code: 34  
SHRP Section ID: 6057  
Effective Date: 01/01/99Highway 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: January 1999 - no data for the NB direction due to sensor failures.  
February 1999 - no data for the NB direction due to sensor failures.  
March 1999 - no data for NB Middle Lane due to sensor failures.Name of Preparer: Edgardo C. Datu  
Date Prepared: April 22, 1999Phone Number: (609) 530-5379  
FAX Number: (609) 530-3514

**Sheet 12**Traffic Data  
Collection SiteState Assigned ID: \_\_\_\_\_  
State Code: 34  
SHRP Section ID: 6057  
Effective Date: 04/01/99Highway 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 data for the NB direction due to sensor failures.

Name of Preparer: Edgardo C. Datu  
Date Prepared: June 15, 1999Phone Number: (609) 530-5379  
FAX Number: (609) 530-3514

**Sheet 12**Traffic Data  
Collection Site

State Assigned ID: \_\_\_\_\_

State Code: 34SHRP Section ID: 6057Effective Date: 06/01/99Highway 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 data for the months of June and July 1999, due to sensors failure.

Name of Preparer: Edgardo C. DatuPhone Number: (609) 530-5379Date Prepared: August 20, 1999FAX Number: (609) 530-3514

**Sheet 12**Traffic Data  
Collection SiteState Assigned ID: \_\_\_\_\_  
State Code: 34  
SHRP Section ID: 6057  
Effective Date: 08/01/99Highway 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 data for the months of August and September 1999, due to sensors failure.

Name of Preparer: Edgardo C. DatuPhone Number: (609) 530-5379Date Prepared: October 20, 1999FAX Number: (609) 530-3514

**Sheet 12**Traffic Data  
Collection SiteState Assigned ID: \_\_\_\_\_  
State Code: 34  
SHRP Section ID: 6057  
Effective Date: 11/01/99Highway 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.**Oct. 1999 - no data for this month due to WIM electronic failure.**Dec. 1999 - missing Dec. 11, 12 and 17 due to system failure.*Name of Preparer: Edgardo C. DatuPhone Number: (609) 530-5379Date Prepared: January 20, 2000FAX Number: (609) 530-3514

**Sheet 12**Traffic Data  
Collection Site

State Assigned ID: \_\_\_\_\_

State Code: 34SHRP Section ID: 6057Effective Date: 11/01/99Highway 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.  
Feb.2000-Missing data, Feb.17 (11:00-24:00)Name of Preparer: Christopher I. ZajacDate Prepared: March 22, 2000Phone Number: (609) 530-4548FAX Number: (609) 530-3514

**Sheet 13**Traffic Data Files  
Transmittal FormState:  
State Code:**New Jersey**  
**3 4**

| <b>FILENAME</b>     | <b>START DATE<br/>(mm / dd / yy)</b> | <b>START TIME<br/>(hh:mm)</b> | <b>END DATE<br/>(mm / dd / yy)</b> | <b>END TIME<br/>(hh:mm)</b> | <b>CLASS<br/>SCHEME</b> |
|---------------------|--------------------------------------|-------------------------------|------------------------------------|-----------------------------|-------------------------|
| <b>DIR 6057_095</b> |                                      |                               |                                    |                             |                         |
| V346057.C19         | 01/01/99                             | 00:00                         | 01/31/99                           | 24:00                       | FHWA                    |
| C346057.C19         | 01/01/99                             | 00:00                         | 01/31/99                           | 24:00                       | FHWA                    |
| W346057.C19         | 01/01/99                             | 00:00                         | 01/31/99                           | 24:00                       | FHWA                    |

Name of Preparer: **Edgardo C. Datu**Phone Number: **609/ 530-5379**Date Prepared: **April 22, 1999**FAX Number: **609/ 530-3514**



**Sheet 13****Traffic Data Files  
Transmittal Form**State:  
State Code:**New Jersey**  
**3 4**

| <b>FILENAME</b>     | <b>START DATE<br/>(mm / dd / yy)</b> | <b>START TIME<br/>(hh:mm)</b> | <b>END DATE<br/>(mm / dd / yy)</b> | <b>END TIME<br/>(hh:mm)</b> | <b>CLASS<br/>SCHEME</b> |
|---------------------|--------------------------------------|-------------------------------|------------------------------------|-----------------------------|-------------------------|
| <b>DIR 6057_095</b> |                                      |                               |                                    |                             |                         |
| V346057.D19         | 02/01/99                             | 00:00                         | 02/28/99                           | 24:00                       | FHWA                    |
| C346057.D19         | 02/01/99                             | 00:00                         | 02/28/99                           | 24:00                       | FHWA                    |
| W346057.D19         | 02/01/99                             | 00:00                         | 02/28/99                           | 24:00                       | FHWA                    |

Name of Preparer: **Edgardo C. Datu**Phone Number: **609/ 530-5379**Date Prepared: **April 22, 1999**FAX Number: **609/ 530-3514**

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

| FILENAME            | START DATE<br>(mm / dd / yy) | START TIME<br>(hh:mm) | END DATE<br>(mm / dd / yy) | END TIME<br>(hh:mm) | CLASS<br>SCHEME |
|---------------------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|
| <b>DIR 6057_095</b> |                              |                       |                            |                     |                 |
| V346057.D19         | 03/01/99                     | 00:00                 | 03/31/99                   | 24:00               | FHWA            |
| C346057.D19         | 03/01/99                     | 00:00                 | 03/31/99                   | 24:00               | FHWA            |
| W346057.D19         | 03/01/99                     | 00:00                 | 03/31/99                   | 24:00               | FHWA            |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***April 22, 1999***FAX Number: ***609/ 530-3514***

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

| <u>FILENAME</u>     | <u>START DATE</u><br><u>(mm / dd / yy)</u> | <u>START TIME</u><br><u>(hh:mm)</u> | <u>END DATE</u><br><u>(mm / dd / yy)</u> | <u>END TIME</u><br><u>(hh:mm)</u> | <u>CLASS</u><br><u>SCHEME</u> |
|---------------------|--|-------------------------------------|--|-----------------------------------|-------------------------------|
| <b>DIR 6057_095</b> |  |                                     |  |                                   |                               |
| V346057.F19         | 04/01/99                                   | 00:00                               | 04/30/99                                 | 24:00                             | FHWA                          |
| C346057.F19         | 04/01/99                                   | 00:00                               | 04/30/99                                 | 24:00                             | FHWA                          |
| W346057.F19         | 04/01/99                                   | 00:00                               | 04/30/99                                 | 24:00                             | FHWA                          |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***June 15, 1999***FAX Number: ***609/ 530-3514***

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

| <b>FILENAME</b>     | <b>START DATE<br/>(mm / dd / yy)</b> | <b>START TIME<br/>(hh:mm)</b> | <b>END DATE<br/>(mm / dd / yy)</b> | <b>END TIME<br/>(hh:mm)</b> | <b>CLASS<br/>SCHEME</b> |
|---------------------|--------------------------------------|-------------------------------|------------------------------------|-----------------------------|-------------------------|
| <b>DIR 6057_095</b> |                                      |                               |                                    |                             |                         |
| V346057.G19         | 05/01/99                             | 00:00                         | 05/31/99                           | 24:00                       | FHWA                    |
| C346057.G19         | 05/01/99                             | 00:00                         | 05/31/99                           | 24:00                       | FHWA                    |
| W346057.G19         | 05/01/99                             | 00:00                         | 05/31/99                           | 24:00                       | FHWA                    |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***June 15, 1999***FAX Number: ***609/ 530-3514***

# Sheet 13

## Traffic Data Files Transmittal Form

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

| FILENAME | START DATE<br>(mm / dd / yy) | START TIME<br>(hh:mm) | END DATE<br>(mm / dd / yy) | END TIME<br>(hh:mm) | CLASS<br>SCHEME |
|----------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|
|----------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|

**DIR 6057\_095**

System down

FHWA

Name of Preparer: **Edgardo C. Datu**

Phone Number: **609/ 530-5379**

Date Prepared: **January 13, 2000**

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

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

| FILENAME | START DATE<br>(mm / dd / yy) | START TIME<br>(hh:mm) | END DATE<br>(mm / dd / yy) | END TIME<br>(hh:mm) | CLASS<br>SCHEME |
|----------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|
|----------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|

**DIR 6057\_095**

|             |          |       |          |       |      |
|-------------|----------|-------|----------|-------|------|
| System down | 07/01/99 | 00:00 | 07/31/99 | 24:00 | FHWA |
|-------------|----------|-------|----------|-------|------|

**DIR 1031\_551**

|             |          |       |          |       |      |
|-------------|----------|-------|----------|-------|------|
| V341031.G19 | 05/01/99 | 00:00 | 05/31/99 | 24:00 | FHWA |
| C341031.G19 | 05/01/99 | 00:00 | 05/31/99 | 24:00 | FHWA |
| W341031.G19 | 05/01/99 | 00:00 | 05/31/99 | 24:00 | FHWA |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***August 18, 1999***FAX Number: ***609/ 530-3514***

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

| FILENAME            | START DATE<br>(mm / dd / yy) | START TIME<br>(hh:mm) | END DATE<br>(mm / dd / yy) | END TIME<br>(hh:mm) | CLASS<br>SCHEME |
|---------------------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|
| <b>DIR 6057_095</b> |                              |                       |                            |                     |                 |
| V346057.M19         | 11/01/99                     | 00:00                 | 11/30/99                   | 24:00               | FHWA            |
| C346057.M19         | 11/01/99                     | 00:00                 | 11/30/99                   | 24:00               | FHWA            |
| W346057.M19         | 11/01/99                     | 00:00                 | 11/30/99                   | 24:00               | FHWA            |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***January 20, 2000***FAX Number: ***609/ 530-3514***

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

| FILENAME            | START DATE<br>(mm / dd / yy) | START TIME<br>(hh:mm) | END DATE<br>(mm / dd / yy) | END TIME<br>(hh:mm) | CLASS<br>SCHEME |
|---------------------|------------------------------|-----------------------|----------------------------|---------------------|-----------------|
| <b>DIR 6057_095</b> |                              |                       |                            |                     |                 |
| V346057.N19         | 12/01/99                     | 00:00                 | 12/31/99                   | 24:00               | FHWA            |
| C346057.N19         | 12/01/99                     | 00:00                 | 12/31/99                   | 24:00               | FHWA            |
| W346057.N19         | 12/01/99                     | 00:00                 | 12/31/99                   | 24:00               | FHWA            |

Name of Preparer: ***Edgardo C. Datu***Phone Number: ***609/ 530-5379***Date Prepared: ***January 20, 2000***FAX Number: ***609/ 530-3514***



|   |   |
|---|---|
| SHEET 15<br>LTTP TRAFFIC DATA<br><br>LOG OF CHANGES AT GPS TEST<br>LOCATION WITH PERM. AVC OR WIM | STATE ASSIGNED ID      - - - -<br><br>STATE CODE <u>3</u> <u>4</u><br><br>SHRP SECTION ID <u>6</u> <u>0</u> <u>5</u> <u>7</u> |
|---|---|

Location: Ewing Township, 1 mile North of Scudder Falls Bridge  
(NJ-PA State Line)

Equip. Type: Intl. Road Dynamics' Piezo WIM System

Milepost: 1.20

Model: IRD WIM SYSTEM

| Date of Change | Time of Change | Description of Change             | Person Making Change | Phone # | New Equipment Serial # |
|----------------|----------------|-----------------------------------|----------------------|---------|------------------------|
| 10-19-99       |                | Upgraded Software to 7.5.0 Rev. E | David Duce (IRD)     |         | 9309-2642              |
|                |                |                                   |                      |         |                        |
|                |                |                                   |                      |         |                        |
|                |                |                                   |                      |         |                        |
|                |                |                                   |                      |         |                        |