

**SHEET 10
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE-NO SITE COUNT**

*STATE ASSIGNED ID [_ _ _]
 *STATE CODE [19]
 *SHRP SECTION ID [6150]

1. ANNUAL TRAFFIC ESTIMATES

| *YEAR | ESTIMATED TOTAL VEHICLES AADT (TWO-WAY) | ESTIMATED TOTAL TRUCK AADT (TWO-WAY) | ESTIMATED TOTAL VEHICLES AADT LTPP LANE | *ESTIMATED TOTAL TRUCKS AADT LTPP LANE | *ESTIMATED ESAL=S/YR LTPP LANE (1000'S) |
|-------------|--|---|--|---|--|
| <u>1993</u> | <u>985</u> | <u>193</u> | <u>504</u> | <u>98</u> | <u>14</u> |

**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) G. F.

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

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

***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) _____

ENTERED APR 16 2009

NAME OF PREPARER N. Whiteford

DATE PREPARED 9/16/09

PHONE# _____

rev. March 12, 2001

| | |
|--|---|
| SHEET 11 LTPP TRAFFIC DATA VOLUME DATA TRANSMITTAL FORM | *STATE ASSIGNED ID [_ _ _ _] *STATE CODE [19] *SHRP SECTION ID [6150] |
|--|---|

HIGHWAY RT. NO. (THIS COUNT) IA H 196 MILEPOST NO. (THIS COUNT) MP 5

LOCATION (THIS COUNT) MP 5

FILENAME V196150 DISK/TAPE ID _____

BEGINNING DATE 1/22/93 BEGINNING TIME _____

ENDING DATE 1/22/93 ENDING TIME _____

TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE ☒

COUNT DURATION 1 [] HOURS ☒ DAYS [] MONTHS

TYPE OF SENSOR _____ ROAD TUBES ☒ PIEZO CABLE

_____ PIEZO FILM _____ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # GK-6702

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR * STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR * STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____
SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: * SEE ATTACHED SHEET FOR
MONTHLY & D.O.W. FACTORS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

| | |
|------------------------------------|-------------------------------|
| NAME OF PREPARER <u>PHIL MERAZ</u> | PHONE # <u>(515) 239-1526</u> |
| DATE PREPARED <u>JUL 06 1993</u> | |

| | |
|---|--|
| <p align="center">SHEET 11</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VOLUME DATA TRANSMITTAL FORM</p> | <p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [19]</p> <p>*SHRP SECTION ID [6150]</p> |
|---|--|

HIGHWAY RT. NO. (THIS COUNT) IA H 196 MILEPOST NO. (THIS COUNT) MP 5

LOCATION (THIS COUNT) MP 5

FILENAME V196150.GA3 DISK/TAPE ID _____

BEGINNING DATE 5/11/93 BEGINNING TIME _____

ENDING DATE 6/10/93 ENDING TIME _____

TYPE OF COUNT: TWO-WAY _____ ONE-WAY _____ GPS LANE ☒

COUNT DURATION 31 [] HOURS [X] DAYS [] MONTHS

TYPE OF SENSOR _____ ROAD TUBES ☒ PIEZO CABLE

_____ PIEZO FILM _____ LOOPS _____ OTHER _____

EQUIPMENT MANUFACTURER / MODEL # GK-6702

AXLE CORRECTION FACTOR _____ STANDARD DEV. OF FACTOR _____

MONTHLY/SEASONAL FACTOR * STANDARD DEV. OF FACTOR _____

DAY-OF-WEEK FACTOR * STANDARD DEV. OF FACTOR _____

OTHER FACTOR _____ STANDARD DEV. OF FACTOR _____
SPECIFY _____

DISTRIBUTION FACTOR FOR GPS LANE _____
(WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE _____

COMMENTS: * SEE ATTACHED SHEET FOR
MONTHLY & D.O.W. FACTORS

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

| | |
|------------------------------------|-------------------------------|
| NAME OF PREPARER <u>PHIL MERAZ</u> | PHONE # <u>(515) 239-1526</u> |
| DATE PREPARED <u>JUL 06 1993</u> | |

| | |
|--|--------------------------------|
| SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM | *STATE ASSIGNED ID [_ _ _ _] |
| | *STATE CODE [19] |
| | *SHRP SECTION ID [6150] |

HIGHWAY RT. NO. (THIS SESSION) IAH 196 MILEPOST NO. (THIS SESSION) MP 5

LOCATION (THIS COUNT) MP 5

FILENAME C196150.CK3 DISK/TAPE ID _____

BEGINNING DATE 1/21/93 BEGINNING TIME 08:00

ENDING DATE 1/23/93 ENDING TIME 08:00

COUNT DURATION 49 [X] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL # GK-6702

SENSOR TYPE PIEZO CABLE

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS

* AADT FACTORS ARE INCLUDED ON ATTACHED SHEET

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

| | |
|------------------------------------|-------------------------------|
| NAME OF PREPARER <u>PHIL MERAZ</u> | PHONE # <u>(515) 239-1526</u> |
| DATE PREPARED <u>JUL 06 1993</u> | |

| | |
|--|--------------------------------|
| SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM | *STATE ASSIGNED ID [_ _ _ _] |
| | *STATE CODE [19] |
| | *SHRP SECTION ID [6150] |

HIGHWAY RT. NO. (THIS SESSION) IAH196 MILEPOST NO. (THIS SESSION) MP 5

LOCATION (THIS COUNT) MP 5

FILENAME C196150.603 DISK/TAPE ID _____

BEGINNING DATE 5/10/93 BEGINNING TIME 14:00

ENDING DATE 6/11/93 ENDING TIME 14:00

COUNT DURATION 769 ☒ HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT ☒

EQUIPMENT MAKE/MODEL # GK-6702

SENSOR TYPE PIEZO CABLE

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS

* AADT FACTORS ARE INCLUDED ON ATTACHED SHEET

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

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|------------------------------------|------------------------------|
| NAME OF PREPARER <u>PHIL MERAZ</u> | PHONE # <u>(515)239-1526</u> |
| DATE PREPARED <u>JUL 06 1993</u> | |

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE IOWA
STATE CO 19

| FILENAME | START DATE | START TIME hh:mm | END DATE | END TIME hh:mm | CLASS. SCHEME |
|--------------------|-----------------|---------------------|-----------------|-------------------|------------------|
| <u>C19SPS6.E74</u> | <u>03/07/94</u> | <u>16:00</u> | <u>03/21/94</u> | <u>01:00</u> | <u>FHWA</u> |
| <u>C19SPS6.E74</u> | <u>03/07/94</u> | <u>16:00</u> | <u>03/21/94</u> | <u>01:00</u> | <u>FHWA</u> |
| <u>C190701.C84</u> | <u>01/13/94</u> | <u>08:00</u> | <u>01/19/94</u> | <u>10:00</u> | <u>FHWA</u> |
| <u>W190701.C84</u> | <u>01/13/94</u> | <u>08:00</u> | <u>01/19/94</u> | <u>10:00</u> | <u>FHWA</u> |
| <u>C190701.ED4</u> | <u>03/10/94</u> | <u>08:00</u> | <u>03/14/94</u> | <u>04:00</u> | <u>FHWA</u> |
| <u>W190701.ED4</u> | <u>03/10/94</u> | <u>08:00</u> | <u>03/14/94</u> | <u>04:00</u> | <u>FHWA</u> |
| <u>C193006.F53</u> | <u>04/05/93</u> | <u>13:00</u> | <u>06/16/93</u> | <u>08:00</u> | <u>FHWA</u> |
| <u>W193006.F53</u> | <u>04/05/93</u> | <u>13:00</u> | <u>06/16/93</u> | <u>08:00</u> | <u>FHWA</u> |
| <u>V193006.H03</u> | <u>06/25/93</u> | <u>00:00</u> | <u>06/27/93</u> | <u>23:00</u> | <u>FHWA</u> |
| <u>C193006.HN3</u> | <u>06/24/93</u> | <u>14:00</u> | <u>07/02/93</u> | <u>09:00</u> | <u>FHWA</u> |
| <u>V193006.HS3</u> | <u>06/29/93</u> | <u>00:00</u> | <u>07/01/93</u> | <u>23:00</u> | <u>FHWA</u> |
| <u>C193006.N13</u> | <u>12/01/93</u> | <u>10:00</u> | <u>01/04/94</u> | <u>23:00</u> | <u>FHWA</u> |
| <u>V193006.N23</u> | <u>12/02/93</u> | <u>00:00</u> | <u>01/04/94</u> | <u>23:00</u> | <u>FHWA</u> |
| <u>C196150.M43</u> | <u>11/04/93</u> | <u>13:00</u> | <u>11/10/93</u> | <u>21:00</u> | <u>FHWA</u> |
| <u>W196150.M43</u> | <u>11/04/93</u> | <u>13:00</u> | <u>11/10/93</u> | <u>21:00</u> | <u>FHWA</u> |

NAME OF PREPARER PHIL MERAZ PHONE NO. (515)239-1526
DATE PREPARED 4/14/94