

<p align="center"><b>SHEET 10</b> <b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRAFFIC VOLUME AND LOAD</b> <b>ESTIMATE UPDATE-NO SITE COUNT</b></p>	*STATE ASSIGNED ID	[ ] [ ] [ ] [ ]
	*STATE CODE	[26]
	*SHRP SECTION ID	[1004]

**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)
2003	19105	265	9553	132	33

**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)

NAME OF PREPARER ABID IKRAM  
DATE PREPARED JAN 20/09

PHONE#

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
C261001 .C1D	01/01/03	00:00	01/09/03	23:59	FHWA
C261001 .CCD	01/13/03	00:00	01/31/03	23:59	FHWA
C261004 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C261010 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C261012 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C261013 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C263069 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C264015 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C26SPS2 .C1D	01/01/03	00:00	01/15/03	23:59	FHWA
C26SPS2 .CTD	01/30/03	10:00	01/30/03	12:59	FHWA
C269029 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C26SPS6 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C26SPS9A.C1D	01/01/03	00:00	01/31/03	23:59	FHWA
C26SPS1 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W261001 .C1D	01/01/03	00:00	01/09/03	23:59	FHWA

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
W261001 .CCD	01/13/03	09:00	01/31/03	23:59	FHWA
W261004 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W261010 .C1D	01/01/03	10:00	01/31/03	23:59	FHWA
W261012 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W261013 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W263069 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W264015 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W26SPS2 .C1D	01/01/03	00:00	01/15/03	23:59	FHWA
W26SPS2 .CTD	01/30/03	10:00	01/30/03	12:59	FHWA
W269029 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W26SPS6 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W26SPS9A.C1D	01/01/03	00:00	01/31/03	23:59	FHWA
W26SPS1 .C1D	01/01/03	00:00	01/31/03	23:59	FHWA
					FHWA
					FHWA

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORMSTATE  
STATE CODE[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
C261001 .D1D	02/01/03	00:00	02/05/03	23:59	FHWA
C261004 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C261010 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C261012 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C261013 .D1D	02/01/03	00:00	02/14/03	23:59	FHWA
C261013 .DFD	02/16/03	00:00	02/18/03	23:59	FHWA
C261013 .DJD	02/20/03	00:00	02/28/03	23:59	FHWA
C263069 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C264015 .D1D	02/01/03	00:00	02/08/03	23:59	FHWA
C264015 .D0D	02/10/03	00:00	02/28/03	23:59	FHWA
C26SPS2 .D3D	02/03/03	13:00	02/28/03	23:59	FHWA
C269029 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C26SPS6 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C26SPS9A.D1D	02/01/03	00:00	02/28/03	23:59	FHWA
C26SPS1 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
W261001 .D1D	02/01/03	00:00	02/05/03	23:59	FHWA
W261004 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W261010 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W261012 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W261013 .D1D	02/01/03	00:00	02/14/03	23:59	FHWA
W261013 .DFD	02/16/03	00:00	02/18/03	23:59	FHWA
W261013 .DJD	02/20/03	00:00	02/28/03	23:59	FHWA
W263069 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W264015 .D1D	02/01/03	00:00	02/08/03	23:59	FHWA
W264015 .D0D	02/10/03	00:00	02/28/03	23:59	FHWA
W26SPS2 .D3D	02/03/03	13:00	02/28/03	23:59	FHWA
W269029 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W26SPS6 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W26SPS9A.D1D	02/01/03	00:00	02/28/03	23:59	FHWA
W26SPS1 .D1D	02/01/03	00:00	02/28/03	23:59	FHWA

U:  
KLC  
JAS  
ARC

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
C261004 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C261010 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C261012 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C261013 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C263069 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C264015 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C26SPS2 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C269029 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C26SPS6 .E1D -----	03/01/03 -----	00:00 -----	03/01/03 -----	23:59 -----	FHWA -----
C26SPS6 .E3D -----	03/03/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C26SPS9A.E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
C26SPS1 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
W261004 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
W261010 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----
W261012 .E1D -----	03/01/03 -----	00:00 -----	03/31/03 -----	23:59 -----	FHWA -----

[ MICHIGAN ]  
[ 26 ]

[illegible]

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ <u>3</u> <u>0</u> <u>2</u> ]
	*STATE CODE	[ <u>26</u> ]
	*SHRP SECTION ID	[ <u>1</u> <u>0</u> <u>0</u> <u>4</u> ]

HIGHWAY RT. NO. (THIS COUNT) M-26 EB

MILEPOST NO. OR LOCATION (THIS COUNT) Moughton

FILENAME C261004.H10 DISK ID \_\_\_\_\_

BEGINNING DATE 6-1-03 BEGINNING TIME 00:00

ENDING DATE 6-30-03 ENDING TIME 23:59

COUNT DURATION 1 [ ] HOURS [ ] DAYS ☒ MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

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 ☒

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE Piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>James Kramer</u>	PHONE <u>517 322 1716</u>
DATE PREPARED <u>8-13-03</u>	revised November 11, 1999



<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b>  <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ <u>302</u> ]
	*STATE CODE	[ <u>26</u> ]
	*SHRP SECTION ID	[ <u>1004</u> ]

HIGHWAY RT. NO. (THIS COUNT) M-26 EB

MILEPOST NO. OR LOCATION (THIS COUNT) Houghton

FILENAME C261004-I10 DISK ID 00:00

BEGINNING DATE 7-1-03 BEGINNING TIME \_\_\_\_\_

ENDING DATE 7-31-03 ENDING TIME 23:59

COUNT DURATION 1 [ ] HOURS [ ] DAYS ☒ MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

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 ☒

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE Piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS: \_\_\_\_\_

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OF CLASS GROUPS) \_\_\_\_\_

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>James Kremer</u>	PHONE <u>517 322-1716</u>
DATE PREPARED <u>8-13-03</u>	revised November 11, 1999

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ <u>302</u> ]
	*STATE CODE	[ <u>26</u> ]
	*SHRP SECTION ID	[ <u>1004</u> ]

HIGHWAY RT. NO. (THIS SESSION) M-26 EB

MILEPOST NO. OR LOCATION (THIS SESSION) Houghton

FILENAME W261004-H1D DISK ID \_\_\_\_\_

BEGINNING DATE 6-1-03 BEGINNING TIME 00:00

ENDING DATE 6-30-03 ENDING TIME 23:59

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

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE Piezo

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 \_\_\_\_\_ 7-card FHWA 13 bin in cols. 22-23 \_\_\_\_\_  
 7-card 6 digit Truck Weight study X W-card \_\_\_\_\_ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Auto cal

COMMENTS \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>James Kramer</u>	PHONE <u>517 322 1716</u>
DATE PREPARED _____	revised February 21,2000

<b>SHEET 13</b> <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE WEIGHT DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID	[ <u>303</u> ]
	*STATE CODE	[ <u>26</u> ]
	*SHRP SECTION ID	[ <u>1004</u> ]

HIGHWAY RT. NO. (THIS SESSION) M-26 EB

MILEPOST NO. OR LOCATION (THIS SESSION) Houghton

FILENAME W261004.ID DISK ID \_\_\_\_\_

BEGINNING DATE 7-1-03 BEGINNING TIME 00:00

ENDING DATE 7-31-03 ENDING TIME 23:59

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

WEIGHT SCALE TYPE: PORT. WIM \_\_\_\_\_ PERM. WIM X OTHER \_\_\_\_\_

EQUIPMENT MAKE/MODEL# PAT DAW 100

SENSOR TYPE Piezo

VEHICLE CLASSIFICATION METHOD:

7-card FHWA 13 bin in cols. 18-19 \_\_\_\_\_ 7-card FHWA 13 bin in cols. 22-23 \_\_\_\_\_  
 7-card 6 digit Truck Weight study X W-card \_\_\_\_\_ OTHER \_\_\_\_\_

NAME OF AGENCY CLASSIFICATION SCHEME: \_\_\_\_\_ NO. OF BINS \_\_\_\_\_

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 CLASS SYSTEM.

METHOD OF CALIBRATION AND FREQUENCY: Autocal

COMMENTS \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>James Kramer</u>	PHONE <u>517 322 1716</u>
DATE PREPARED _____	revised February 21,2000

Rec'd w/ no stamp on envelope in  
shots (probably 9/18)

EF w/zip disk

SHEET 13  
TRAFFIC DATA FILES  
TRANSMITTAL FORM

STATE  
STATE CODE

[ MICHIGAN ]  
[ 26 ]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME. FHWA
C261004 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C261010 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C261012 .J1D	08/01/03	00:00	08/13/03	23:59	FHWA
C261012 .JED	08/15/03	00:00	08/31/03	23:59	FHWA
C261013 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C263069 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C264015 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C26SPS2 .J1D	08/01/03	00:00	08/08/03	10:59	FHWA
C26SPS2 .JAD	08/11/03	11:00	08/31/03	23:59	FHWA
C269029 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C26SPS6 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA
C26SPS9A.J1D	08/01/03	00:00	08/31/03	23:59	FHWA
W261004 .J1D	08/01/03	00:00	08/09/03	23:59	FHWA
W261004 .JAD	08/11/03	00:00	08/31/03	23:59	FHWA
W261010 .J1D	08/01/03	00:00	08/31/03	23:59	FHWA

NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716  
DATE PREPARED 09-09-2003