

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.
C260900.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
W260900.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
C264015.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
W264015.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
C269029.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
W269029.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
C260200.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
W260200.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
C260100.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
W260100.C1J ✓	01/01/09	00:00	01/31/09	23:59	FHWA
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 02-03-2009

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.
C260900.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
W260900.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
C264015.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
W264015.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
C269029.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
W269029.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
C260200.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
W260200.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
C260100.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
W260100.D1J ✓	02/01/09	00:00	02/28/09	23:59	FHWA
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 03-02-2009

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.
C260900.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
W260900.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
C264015.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
W264015.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
C269029.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
W269029.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
C260200.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
W260200.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
C260100.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
W260100.E1J ✓	03/01/09	00:00	03/31/09	23:59	FHWA
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 04-02-2009

DATE REC. 3-8-09  
JOB # 174552257  
FILE # \_\_\_\_\_

BA

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.
C260900.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
W260900.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
C264015.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
W264015.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
C269029.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
W269029.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
C260200.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
W260200.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
C260100.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
W260100.F1J ✓	04/01/09	00:00	04/30/09	23:59	FHWA
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NAME OF PREPARER JAMES KRAMER PHONE# (517) .322-1716

DATE PREPARED 05-04-2009

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.
C260900.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
W260900.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
C264015.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
W264015.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
C269029.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓ one hr missing on May 12/09
W269029.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓ hr. (02:00) to (03:00)
C260200.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
W260200.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
C260100.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓ one hour missing (11:00-12:00)
W260100.G1J	05/01/09	00:00	05/31/09	23:59	FHWA ✓
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 06-03-2009

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.
C260900.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
W260900.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
C264015.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
W264015.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
C269029.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
W269029.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
C260200.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
W260200.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
C260100.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
W260100.H1J ✓	06/01/09	00:00	06/30/09	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 07-07-2009

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.
C260900.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
W260900.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
C264015.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
W264015.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
C269029.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
W269029.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
C260200.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
W260200.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
C260100.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
W260100.I1J	07/01/09	00:00	07/31/09	23:59	FHWA ✓
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716

DATE PREPARED 08-05-2009

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.
C260900.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA ✓
W260900.J1J ✓	08/01/09	00:00	08/29/09	23:59	FHWA <i>used No Gap option</i>
C264015.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
W264015.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
C269029.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
W269029.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
C260200.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
W260200.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
C260100.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
W260100.J1J ✓	08/01/09	00:00	08/31/09	23:59	FHWA
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NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716  
DATE PREPARED 09-08-2009



Entered  
1/20/2010  
NE

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[ 312 ]
	*STATE CODE	[ 26 ]
	*SHRP SECTION ID	[ 9029 ]

SITE CALIBRATION INFORMATION

1. \* DATE OF CALIBRATION (MONTH/DAY/YEAR) 10/14/2009
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 IRV/PAT

WIM SYSTEM CALIBRATION SPECIFICS\*\*

- 6.\*\* CALIBRATION TECHNIQUE USED:  
☐ TRAFFIC STREAM -- ☐ STATIC SCALE (Y/N) ☒ TEST TRUCKS  
4 NUMBER OF TRUCKS COMPARED 1 NUMBER OF TEST TRUCKS USED  
21 PASSES PER TRUCK  
TRUCK TYPE SUSPENSION  
TYPE PER FHWA 13 BIN SYSTEM 1 9 1  
SUSPENSION: 1 - AIR; 2 - LEAF SPRING 2 \_\_\_\_\_  
3 - OTHER (DESCRIBE) 3 \_\_\_\_\_
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)  
MEAN DIFFERENCE BETWEEN --  
DYNAMIC AND STATIC GVW -1.1 STANDARD DEVIATION 1.96  
DYNAMIC AND STATIC SINGLE AXLES -0.7 STANDARD DEVIATION 5.17  
DYNAMIC AND STATIC DOUBLE AXLES -1.7 STANDARD DEVIATION 2.94
8. 3 NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) 55 60 65
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) 96.6
- 11.\*\* IS AUTO-CALIBRATION USED AT THIS SITE? (Y/N) N  
IF YES, LIST AND DEFINE AUTO-CALIBRATION VALUE: \_\_\_\_\_

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: \_\_\_\_\_

PERSON LEADING CALIBRATION EFFORT: James Kramer  
CONTACT INFORMATION: 517 322 1716 rev. November 9, 1999