

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.
✓ C264015.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ W264015.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ C260900.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ W260900.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ C269029.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ W269029.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ C260100.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
✓ W260100.C1N	01/01/13	00:00	01/31/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

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

DATE PREPARED 02-04-2013

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.
C264015.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
W264015.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
C260900.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
W260900.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
C269029.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
W269029.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
C260100.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
W260100.D1N ✓	02/01/13	00:00	02/28/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716
DATE PREPARED 03-06-2013

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.
C264015.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
W264015.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
C260900.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
W260900.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
C269029.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
W269029.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
C260100.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
W260100.E1N	03/01/13	00:00	03/31/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

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

DATE PREPARED 04-08-2013

RECEIVED MAY 08 2013

by: JCD

MI TRF Data 20130508 2/2

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.
C264015.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
W264015.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
C260900.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
W260900.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
C269029.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
W269029.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
C260100.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
W260100.F1N ✓	04/01/13	00:00	04/30/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

NAME OF PREPARER JAMES KRAMER PHONE# (517) 322-1716DATE PREPARED 05-01-2013

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.
✓ C264015.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ W264015.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ C260900.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ W260900.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ C269029.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ W269029.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ C260100.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
✓ W260100.G1N	05/01/13	00:00	05/31/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

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

DATE PREPARED 06-04-2013

MI TRF Data 20130715 2/2

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.
C264015.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
W264015.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
C260900.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
W260900.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
C269029.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
W269029.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
C260100.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
W260100.H1N✓	06/01/13	00:00	06/30/13	23:59	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA
-----	-----	-----	-----	-----	FHWA

NAME OF PREPARER	JAMES KRAMER	PHONE#	(517) 322-1716
DATE PREPARED	07-02-2013		

MI TRF Data 20130814 12/

SHEET 13
TRAFFIC DATA FILES
TRANSMITTAL FORM

STATE [MICHIGAN]
STATE CODE [26]

FILENAME	START DATE mm/dd/yy	START TIME hh:mm	END DATE mm/dd/yy	END TIME hh:mm	CLASS SCHEME.
C264015.I1N	07/01/13	00:00	07/30/13	23:59	FHWA
W264015.I1N	07/01/13	00:00	07/30/13	23:59	FHWA
C260900.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
W260900.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
C269029.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
W269029.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
C260100.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
W260100.I1N	07/01/13	00:00	07/31/13	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER

PHONE# (517) 322-1716

DATE PREPARED 08-05-2013

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.
C260200.K3N	09/03/13	00:00	09/30/13	23:59	FHWA
W260200.K3N	09/03/13	00:00	09/30/13	23:59	FHWA
C264015.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
W264015.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
C260900.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
W260900.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
C269029.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
W269029.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
C260100.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
W260100.K1N	09/01/13	00:00	09/30/13	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER

PHONE# (517) 322-1716

DATE PREPARED 10-07-2013

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.
✓C260200.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓W260200.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓C264015.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓W264015.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓C260900.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓W260900.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓C269029.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓W269029.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓C260100.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
✓W260100.L1N	10/01/13	00:00	10/31/13	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER

PHONE# (517) 322-1716

DATE PREPARED 11-04-2013

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.
C260200.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
W260200.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
C264015.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
W264015.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
C260900.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
W260900.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
C269029.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
W269029.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
C260100.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
W260100.M1N ✓	11/01/13	00:00	11/30/13	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER

PHONE# (517) 322-1716

DATE PREPARED 12-04-2013

MI TRF Data 20140117

SCANNED

JAN 17 2014

BY Scd

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.
C260200.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
W260200.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
C264015.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
W264015.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
C260900.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
W260900.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
C269029.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
W269029.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
C260100.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
W260100.N1N	12/01/13	00:00	12/31/13	23:59	FHWA
					FHWA
					FHWA
					FHWA
					FHWA

NAME OF PREPARER JAMES KRAMER

PHONE# (517) 322-1716

DATE PREPARED 01-02-2014

ENTERED

22/FEB/2013

C.O.

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID	[312]
	*STATE CODE	[36]
	*SHRP SECTION ID	[9029]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [01 / 07 / 2013]
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 PAT DAW 190

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
☐ 21 PASSES PER TRUCK
 TYPE PER FHWA 13 BIN SYSTEM
 SUSPENSION: 1 - AIR; 2 - LEAF SPRING
 3 - OTHER (DESCRIBE)
- | TRUCK | TYPE | SUSPENSION |
|-------|------|------------|
| 1 | 9 | 1 |
| 2 | | |
| 3 | | |
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN --
 DYNAMIC AND STATIC GVW -1.6 STANDARD DEVIATION 1.7
 DYNAMIC AND STATIC SINGLE AXLES -2.5 STANDARD DEVIATION 2.3
 DYNAMIC AND STATIC DOUBLE AXLES -1.5 STANDARD DEVIATION 2.0
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) 100.2
- 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: Tom Foltz
 CONTACT INFORMATION: 512 323 1716 rev. November 9, 1999