

**North Central Region of FHWA-LTPP
Traffic Data Collection Equipment Installation And Change Log**

State Code	SHRP Id	Location	Install Date	Brand Name	Model	Serial No. Control Unit	GPS Sensor Type	Software Brand/Version	Loops	Equipment Change	Date of Change
19	1044	30 MI W Waterloo 0.2 MI W ST 187	07/02/91	GK	6701	9106-1136	Vibracoax-wt.	Cordon VISA/AWACS			
19	3006	26 MI NE Quad cities 6.3 MI E US 61	07/16/91	GK	6701	9106-1140	Vibracoax-wt.	Cordon VISA/AWACS			
19	3009	Near Cedar Rapids 0.1 MI S US 151		GK	6701						
19	3028	Near Iowa City 1.8 MI S I-80	07/24/91	GK	6701	9106-1138	Vibracoax-wt.	Cordon VISA/AWACS			
19	3033	Near Iowa City 6.6 MI S I-80	07/23/91	GK	6701	9106-1139	Vibracoax-wt.	Cordon VISA/AWACS			
19	3055	Near Webster City - 4.5 MI W OF I-35	06/04/91	GK	6701	9106-1135	Vibracoax-wt.	Cordon VISA/AWACS			
19	5042	15 MI NE Webster City-2.75 MI S IA riv	06/11/91	GK	6701	9106-1141	Vibracoax-wt.	Cordon VISA/AWACS			
19	5046	18 MI NE Webster City-0.5 MI N IA rive		Same equipment as section 195042							
19	6049	19 MI E OF Iowa City -	07/30/91	GK	6701	9106-1146	Vibracoax-wt.	Cordon VISA/AWACS			
19	6150	9 MI S OF Sac City - 2 MI N OF US 71	06/01/90	GK	6701	9106-1149	Vibracoax-wt.	Cordon VISA/AWACS			
19	9116	2 MI S OF MN/Iowa state line	05/30/91	GK	6701						
19	9126	IN Quad Cities - 1.6 MI E OF I-74	08/03/91	GK	6702	9106-1137	Vibracoax-wt.	Cordon VISA/AWACS			
19	SPS6	12 MI S Ames	06/01/90	GK	6701	9106-1130	Vibracoax-wt.	Cordon VISA/AWACS			

SHEET 16 LTPP MONITORED TRAFFIC DATA SITE CALIBRATION SUMMARY	*STATE ASSIGNED ID [6150] *STATE CODE [19] *SHRP SECTION ID [6150]
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SITE CALIBRATION INFORMATION

ENTERED MAY 03 2004
[07/01/99]

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR)
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 _____

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
 PASSES PER TRUCK

TYPE PER FHWA 13 BIN SYSTEM	1	<u> </u>
SUSPENSION: 1 - AIR; 2 - LEAF SPRING	2	<u> </u>
3 - OTHER (DESCRIBE)	3	<u> </u>
7. SUMMARY CALIBRATION RESULTS (EXPRESSED AS A PERCENT)
 MEAN DIFFERENCE BETWEEN --
 DYNAMIC AND STATIC GVW STANDARD DEVIATION
 DYNAMIC AND STATIC SINGLE AXLES STANDARD DEVIATION
 DYNAMIC AND STATIC DOUBLE AXLES STANDARD DEVIATION
8. NUMBER OF SPEEDS AT WHICH CALIBRATION WAS PERFORMED
9. DEFINE THE SPEED RANGES USED (MPH) _____
10. CALIBRATION FACTOR (AT EXPECTED FREE FLOW SPEED) _____
- 11.** IS AUTO-CALIBRATION USED AT THIS SITE? (Y/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 8hr TIME NUMBER OF TRUCKS
14. MEAN DIFFERENCE IN VOLUMES BY VEHICLES CLASSIFICATION:
 *** FHWA CLASS 9 FHWA CLASS
 *** FHWA CLASS 8 FHWA CLASS
 counted by volume
 not class
 FHWA CLASS
 FHWA CLASS
 *** PERCENT "UNCLASSIFIED" VEHICLES:

PERSON LEADING CALIBRATION EFFORT: <u>Phil Moray</u>
CONTACT INFORMATION: <u>SIS-239-1348</u> rev. November 9, 1999