

ENTERED
25/SEP/12 C.O.

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [9126]
*STATE CODE [19]
*SHRP SECTION ID [9126]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [08/02/2012]
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 Measurement Specialties Inc.

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
TRUCK TYPE SUSPENSION
TYPE PER FHWA 13 BIN SYSTEM
SUSPENSION: 1 - AIR; 2 - LEAF SPRING
3 - OTHER (DESCRIBE)
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: _____

ATR #: 119
 LOCATION: Le Claire
 NODE #:
 DATE: 8/2/2012
 COUNTER: Melissa Bosshart

OVERALL	ATR	MANUAL	% DIFF
PC/PU	5387	5358	1%
SU	363	268	35%
COMBO	2028	2040	-1%
ALL	7778	7666	1%

COUNT HOURS	VEHICLE TYPE	LANE 1			LANE 2			LANE			LANE			TOTAL 1-2		
		ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF
8-9AM	PC/PU	292	294	-1%	179	172	4%			####			####	471	466	1%
	SU	32	25	28%	7	8	-13%			####			####	39	33	18%
	COMBO	191	192	-1%	22	21	5%			####			####	213	213	0%
	UBTOTAL	515	511	1%	208	201	3%	0	0	####	0	0	####	723	712	2%
9-10AM	PC/PU	322	340	-5%	233	220	6%			####			####	555	560	-1%
	SU	39	31	26%	9	11	-18%			####			####	48	42	14%
	COMBO	214	214	0%	33	30	10%			####			####	247	244	1%
	UBTOTAL	575	585	-2%	275	261	5%	0	0	####	0	0	####	850	846	0%
10-11AM	PC/PU	329	335	-2%	276	268	3%			####			####	605	603	0%
	SU	38	30	27%	14	12	17%			####			####	52	42	24%
	COMBO	234	238	-2%	44	37	19%			####			####	278	275	1%
	UBTOTAL	601	603	0%	334	317	5%	0	0	####	0	0	####	935	920	2%
11-NOON	PC/PU	353	355	-1%	285	285	0%			####			####	638	640	0%
	SU	31	22	41%	9	6	50%			####			####	40	28	43%
	COMBO	239	237	1%	41	41	0%			####			####	280	278	1%
	UBTOTAL	623	614	1%	335	332	1%	0	0	####	0	0	####	958	946	1%
ALL PC/PU		1296	1324	-2%	973	945	3%	0	0	####	0	0	####	2269	2269	0%
ALL SU		140	108	30%	39	37	5%	0	0	####	0	0	####	179	145	23%
ALL COMBO		878	881	0%	140	129	9%	0	0	####	0	0	####	1018	1010	1%
TOTAL		2314	2313	0%	1152	1111	4%	0	0	####	0	0	####	3466	3424	1%

COUNT HOURS	VEHICLE TYPE	LANE 3			LANE 4			LANE			LANE			TOTAL 3-4		
		ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF	ATR COUNT	MANUAL COUNT	% DIFF
8-9AM	PC/PU	365	353	3%	531	523	2%			####			####	896	876	2%
	SU	9	6	50%	23	19	21%			####			####	32	25	28%
	COMBO	35	34	3%	197	203	-3%			####			####	232	237	-2%
	UBTOTAL	409	393	4%	751	745	1%	0	0	####	0	0	####	1160	1138	2%
9-10AM	PC/PU	310	307	1%	433	430	1%			####			####	743	737	1%
	SU	7	2	250%	43	25	72%			####			####	50	27	85%
	COMBO	37	35	6%	226	231	-2%			####			####	263	266	-1%
	UBTOTAL	354	344	3%	702	686	2%	0	0	####	0	0	####	1056	1030	3%
10-11AM	PC/PU	262	266	-2%	427	424	1%			####			####	689	690	0%
	SU	11	4	175%	37	31	19%			####			####	48	35	37%
	COMBO	32	35	-9%	229	239	-4%			####			####	261	274	-5%
	UBTOTAL	305	305	0%	693	694	0%	0	0	####	0	0	####	998	999	0%
11-NOON	PC/PU	354	347	2%	436	439	-1%			####			####	790	786	1%
	SU	18	5	260%	36	31	16%			####			####	54	36	50%
	COMBO	38	34	12%	216	219	-1%			####			####	254	253	0%
	UBTOTAL	410	386	6%	688	689	0%	0	0	####	0	0	####	1098	1075	2%
ALL PC/PU		1291	1273	1%	1827	1816	1%	0	0	####	0	0	####	3118	3089	1%
ALL SU		45	17	165%	139	106	31%	0	0	####	0	0	####	184	123	50%
ALL COMBO		142	138	3%	868	892	-3%	0	0	####	0	0	####	1010	1030	-2%
TOTAL		1478	1428	4%	2834	2814	1%	0	0	####	0	0	####	4312	4242	2%