

ENTERED
25/SEP/12 C.O.

SHEET 16
LTPP MONITORED TRAFFIC DATA
SITE CALIBRATION SUMMARY

*STATE ASSIGNED ID [3033]
*STATE CODE [19]
*SHRP SECTION ID [3033]

SITE CALIBRATION INFORMATION

1. * DATE OF CALIBRATION (MONTH/DAY/YEAR) [07/11/2012]
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 #: 249
 LOCATION: Hills
 NODE #:
 DATE: 7/11/2012
 COUNTER: Melissa Bosshart

OVERALL	ATR	MANUAL	% DIFF
PC/PU	4089	4027	2%
SU	249	245	2%
COMBO	697	710	-2%
ALL	5035	4982	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
7-8AM	PC/PU	603	592	2%	368	345	7%			#####			#####	971	937	4%
	SU	14	18	-22%	12	8	50%			#####			#####	26	26	0%
	COMBO	74	71	4%	9	9	0%			#####			#####	83	80	4%
	UBTOTAL	691	681	1%	389	362	7%	0	0	#####	0	0	#####	1080	1043	4%
8-9AM	PC/PU	403	392	3%	149	164	-9%			#####			#####	552	556	-1%
	SU	23	22	5%	11	7	57%			#####			#####	34	29	17%
	COMBO	63	69	-9%	19	16	19%			#####			#####	82	85	-4%
	UBTOTAL	489	483	1%	179	187	-4%	0	0	#####	0	0	#####	668	670	0%
9-10AM	PC/PU	386	378	2%	168	166	1%			#####			#####	554	544	2%
	SU	24	31	-23%	3	8	-63%			#####			#####	27	39	-31%
	COMBO	81	78	4%	16	13	23%			#####			#####	97	91	7%
	UBTOTAL	491	487	1%	187	187	0%	0	0	#####	0	0	#####	678	674	1%
10-11AM	PC/PU	379	390	-3%	153	154	-1%			#####			#####	532	544	-2%
	SU	27	27	0%	4	2	100%			#####			#####	31	29	7%
	COMBO	72	75	-4%	18	24	-25%			#####			#####	90	99	-9%
	UBTOTAL	478	492	-3%	175	180	-3%	0	0	#####	0	0	#####	653	672	-3%
ALL PC/PU		1771	1752	1%	838	829	1%	0	0	#####	0	0	#####	2609	2581	1%
ALL SU		88	98	-10%	30	25	20%	0	0	#####	0	0	#####	118	123	-4%
ALL COMBO		290	293	-1%	62	62	0%	0	0	#####	0	0	#####	352	355	-1%
TOTAL		2149	2143	0%	930	916	2%	0	0	#####	0	0	#####	3079	3059	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
7-8AM	PC/PU	73	65	12%	276	257	7%			#####			#####	349	322	8%
	SU	2	2	0%	33	30	10%			#####			#####	35	32	9%
	COMBO	10	9	11%	56	56	0%			#####			#####	66	65	2%
	UBTOTAL	85	76	12%	365	343	6%	0	0	#####	0	0	#####	450	419	7%
8-9AM	PC/PU	85	76	12%	258	270	-4%			#####			#####	343	346	-1%
	SU	5	3	67%	28	22	27%			#####			#####	33	25	32%
	COMBO	5	7	-29%	71	71	0%			#####			#####	76	78	-3%
	UBTOTAL	95	86	10%	357	363	-2%	0	0	#####	0	0	#####	452	449	1%
9-10AM	PC/PU	106	99	7%	292	276	6%			#####			#####	398	375	6%
	SU	2	2	0%	31	32	-3%			#####			#####	33	34	-3%
	COMBO	12	14	-14%	84	85	-1%			#####			#####	96	99	-3%
	UBTOTAL	120	115	4%	407	393	4%	0	0	#####	0	0	#####	527	508	4%
10-11AM	PC/PU	94	97	-3%	296	306	-3%			#####			#####	390	403	-3%
	SU	3	9	-67%	27	22	23%			#####			#####	30	31	-3%
	COMBO	10	14	-29%	97	99	-2%			#####			#####	107	113	-5%
	UBTOTAL	107	120	-11%	420	427	-2%	0	0	#####	0	0	#####	527	547	-4%
ALL PC/PU		358	337	6%	1122	1109	1%	0	0	#####	0	0	#####	1480	1446	2%
ALL SU		12	16	-25%	119	106	12%	0	0	#####	0	0	#####	131	122	7%
ALL COMBO		37	44	-16%	308	311	-1%	0	0	#####	0	0	#####	345	355	-3%
TOTAL		407	397	3%	1549	1526	2%	0	0	#####	0	0	#####	1956	1923	2%