

SCANNED

JUN 18 2008

BY

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ <u>7 0 2 1</u> ]
	*STATE CODE [ <u>2 9</u> ]
	*SHRP SECTION ID [ <u>5 4 8 3</u> ]

STATE OR PROVINCE Missouri COUNTY Clay

HIGHWAY ROUTE NO. Route 210 MILEPOST# \_\_\_\_\_

NEAREST CITY/TOWN 3.5 mi. e/o Randolph NEAREST INTERSECTION 3 mi. w/o Rte. 291

FUNCTIONAL CLASS 12 NO.LANES EACH DIRECTION 1 TOTAL NO.LANES 2

DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 06-25-73

FIPS COUNTY CODE 047 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. 330001201011 HPMS SUBDIVISION NO. 2

TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC X OTHER \_\_\_\_\_

CONTROL OF ACCESS: YES \_\_\_\_\_ NO X MEDIAN: YES \_\_\_\_\_ NO X

CURRENT SURROUNDING DEVELOPMENT:  
URBAN \_\_\_\_\_ SUBURBAN X RURAL \_\_\_\_\_

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
YES \_\_\_\_\_ NO X  
IF YES, DESCRIBE CHANGES \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

The Federal Highway Administration has been provided the No. 7 format truck weight records.

**NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT STATION RELATIVE TO THIS GPS TEST SECTION.**

Sheets included: 1, 2, 3, 4, 5

NAME OF PREPARER <u>Fred Trippensee</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>11-90</u>	

<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ 7 0 2 1 ]
	*STATE CODE [ 2 9 ]
	*SHRP SECTION ID [ 5 4 8 3 ]

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S / YR GPS LANE (1000's)
1989	10,243	1,150	5,122	575	327
1988	9,613	-1,080	4,807	540	308
1987	9,508	1,068	4,754	534	304
1986	5,627	632	2,814	316	180
1985	5,359	602	2,680	301	172
1984	5,148	578	2,574	289	165
1983	6,186	695	3,093	348	198
1982	6,006	674	3,003	337	192
1981	6,527	733	3,264	367	209
1980	6,323	710	3,162	355	202
1979	6,010	675	3,005	338	192
1978	6,208	697	3,104	349	199
1977	5,475	615	2,738	308	176
1976	5,316	597	2,658	299	170
1975	5,285	594	2,643	297	169
1974	5,254	590	2,627	295	168
1973	5,223	587	2,612	294	168
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER	Fred Trippensee	PHONE #	(314) 751-3980
DATE PREPARED	11-90		

## SHEET 3

LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ 7 0 2 1 ]

\*STATE CODE [ 2 9 ]

\*SHRP SECTION ID [ 5 4 8 3 ]

1. Year Applicable 1988-1973

## 2. METHOD FOR ESTIMATING AADT

- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☐ Used flow maps.
- ☐ Used computerized network analyses.
- ☒ Other: Actual machine count in '87, '84, '82, '80, '78, '76. Growth trends on estimated years. Counts not available.

## 3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☒ Used a single count taken this year at the GPS site. ('89 AVC Count)
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☒ Based on actual lane count data.
- ☐ System distribution factors.
- ☐ Other: \_\_\_\_\_

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data.
- ☐ System distribution factors.
- ☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 13
- ☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☐ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☐ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☒ Other: Weight data collected at GPS site in 1989.

## (B) Weight Scale Type

- ☒ WIM scale.
- ☐ Static scale used for enforcement.
- ☐ Static scale not used for enforcement.
- ☐ Other: \_\_\_\_\_

NAME OF PREPARER Fred TrippenseePHONE # (314) 751-3980DATE PREPARED 11-90

## SHEET 3

LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS

\*STATE ASSIGNED ID [ 7 0 2 1 ]

\*STATE CODE [ 2 9 ]

\*SHRP SECTION ID [ 5 4 8 3 ]

1. Year Applicable 1989

## 2. METHOD FOR ESTIMATING AADT

- ☒ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Averaged and factored multiple counts taken this year at the GPS site.
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☐ Used flow maps.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

3. METHOD FOR ESTIMATING TRUCK  
VOLUMES OR PERCENTAGES

- ☒ Used a single count taken this year at the GPS site. (AVC)
- ☐ Factored a single count taken this year at the GPS site.
- ☐ Averaged multiple counts taken this year at the GPS site.
- ☐ Used system averages from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data taken in earlier years at the GPS site.
- ☐ Used system averages taken in earlier years at the GPS site.
- ☐ Used computerized network analyses.
- ☐ Other: \_\_\_\_\_

4. METHOD FOR ESTIMATING AADT  
BY GPS LANE

- ☒ Based on actual lane count data.
- ☐ System distribution factors.
- ☐ Other: \_\_\_\_\_

5. METHOD FOR ESTIMATING TRUCK AADT  
IN GPS LANES

- ☒ Based on actual lane count data.
- ☐ System distribution factors.
- ☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes) 13
- ☐ Other: \_\_\_\_\_

## 7. ESAL ESTIMATES

## (A) Source of Data

- ☒ Weight data collected at GPS site this year.
- ☐ Weight data collected at GPS site prior years.
- ☐ Weight data from system averages this year.
- ☐ Weight data from system averages prior years.
- ☐ Weight data from historic W-4 Tables used.
- ☐ Other: \_\_\_\_\_

## (B) Weight Scale Type

- ☒ WIM scale.
- ☐ Static scale used for enforcement.
- ☐ Static scale not used for enforcement.
- ☐ Other: \_\_\_\_\_

NAME OF PREPARER Fred TrippenseePHONE # (314) 751-3980DATE PREPARED 11-90

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ 7 0 2 1 ] *STATE CODE [ 2 9 ] *SHRP SECTION ID [ 5 4 8 3 ]
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HIGHWAY ROUTE NO. (THIS COUNT) 210

MILEPOST# OR LOCATION (THIS COUNT) NE/o N. Arlington Ave.

BEGINNING DATE 9-19-89 ENDING DATE 9-21-89

BEGINNING TIME 9:00 a.m. ENDING TIME 11:00 a.m.

COUNT DURATION 2 [ ] HOURS [ X ] DAYS [ ] MONTHS

TYPE OF COUNTER Streeter NAME/MODEL # 241

TYPE OF COUNT: TWO-WAY X ONE DIRECTION ONLY    GPS TEST LANE ONLY   

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>21,544</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO <sup>48</sup> <del>24</del> -HOUR COUNT	<u>.50</u>	
B. AXLE CORRECTION FACTOR	<u>.953</u>	
C. DAY OF WEEK FACTOR	<u>1.0119</u>	
D. MONTH FACTOR	<u>.986</u>	
E. OTHER FACTOR ( <u>                                </u> )	<u>.--</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>10,243</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.50</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>1.00</u>	
6. AADT GPS LANE	<u>5,122</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Fred Trippensee</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>11-90</u>	

<b>SHEET 5</b>  <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ 7 0 2 1 ]  *STATE CODE [ 2 9 ]  *SHRP SECTION ID [ 5 4 8 3 ]
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HIGHWAY RT. NO. (THIS COUNT) \_\_\_\_\_ MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) \_\_\_\_\_ FUNCTIONAL CLASS \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED \_\_\_\_\_

TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. \_\_\_\_\_

EQUIPMENT NAME / MODEL # \_\_\_\_\_

TOTAL NO. OF VEHICLES CLASSIFIED \_\_\_\_\_ # TRUCKS \_\_\_\_\_ % TRUCKS \_\_\_\_\_

NO. OF TRUCKS IN GPS LANE \_\_\_\_\_ % OF TRUCKS IN GPS LANE \_\_\_\_\_

VEHICLE CLASSIFICATION METHOD: FHWA \_\_\_\_\_ OTHER \_\_\_\_\_ # BINS \_\_\_\_\_

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

<u>VEHICLE CLASSES</u>	<u>TOTAL NUMBER OF VEHICLES TWO-WAY</u>	<u>TOTAL NUMBER OF VEHICLES GPS DIRECTION</u>	<u>TOTAL NUMBER OF VEHICLES GPS LANE</u>
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	_____	_____	_____
2. FHWA CLASS 4 (Buses)	_____	_____	_____
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	_____
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	_____
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	_____
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	_____
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	_____
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	_____
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	_____
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	_____
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	_____
12. OTHER VEHICLES	_____	_____	_____
<b>GRAND TOTAL</b>	_____	_____	_____

NAME OF PREPARER	Fred Trippensee	PHONE # (314) 751-3980
DATE PREPARED	11-90	

SHEET 15 LTPP TRAFFIC DATA  LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0470]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5483]

WB

LOCATION MO 210 TYPE EQUIP. Peek  
 MP# 1.55 MODEL # APR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		Equipment Failure	Field Crew		
		No Volume & Class			
		Available for dates			
		below,			
		1/4, 1/8, 1/9, 1/2, 1/9 thru 1/25,			
		2/1, 2/2, 3/3, 3/4, 4/15			
		thru 4/18, 12/1 thru 12/5,			

revised November 11, 1999

<b>SHEET 15</b> <b>LTPP TRAFFIC DATA</b>  <b>LOG OF CHANGE AT LTPP TEST</b> <b>LOCATIONS WITH PERM. AVC OR WIM</b>	*STATE ASSIGNED ID	[0470]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5483]

LOCATION MO 210 2.8 miles w/o Mo 201 TYPE EQUIP. Peck  
 MP# \_\_\_\_\_ MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #

revised November 11, 1999



<b>SHEET 15</b> <b>LTPP TRAFFIC DATA</b>  <b>LOG OF CHANGE AT LTPP TEST</b> <b>LOCATIONS WITH PERM. AVC OR WIM</b>	*STATE ASSIGNED ID	[0470] wb
	*STATE CODE	[29]
	*SHRP SECTION ID	[5483]

LOCATION mo 210 2.8 miles w/o rtd 291 TYPE EQUIP. Peek  
 MP# 7.55 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
4/2/2430	all day	no class / w/ on equipment	Field Acquisition crew		
5/1-17	↓	↓ problems	↓		

SHEET 15 LTPP TRAFFIC DATA  LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0470] <i>wb</i>
	*STATE CODE	[29]
	*SHRP SECTION ID	[5483]

LOCATION mo 210 2.8 miles w 10 mo 291 TYPE EQUIP. Peek  
 MP# 7.55 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/30, 31, 2/7	all day	<del>no</del> class wim, equipment problems	Field Acquisition crew		
3/2, 11, 15, 21	↓	↓	↓		
4/1, 5/31	↓	↓	↓		
11/7	↓	↓	↓		
12/10-13, 15, 16	↓	↓	↓		

revised November 11, 1999

<b>SHEET 15</b> <b>LTPP TRAFFIC DATA</b>  <b>LOG OF CHANGE AT LTPP TEST</b> <b>LOCATIONS WITH PERM. AVC OR WIM</b>	*STATE ASSIGNED ID	[0470]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5483]

LOCATION MO 210 TYPE EQUIP. PEEK  
 MP# 7.55 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		EQUIPMENT FAILURE	FIELD ACQ CREW		
		2/1 - 2/10, 2/24 - 2/26, 2/27			
		3/8, 4/18 - 4/20, 7/16			
		NO CLASS DATA ONLY:			
		1/1 - 12/31			

revised November 11, 1999

<b>SHEET 15</b> <b>LTPP TRAFFIC DATA</b>  <b>LOG OF CHANGE AT LTPP TEST</b> <b>LOCATIONS WITH PERM. AVC OR WIM</b>	**STATE ASSIGNED ID	[ 0470 ]
	*STATE CODE	[ 29 ]
	*SHRP SECTION ID	[ 5483 ]

LOCATION MO 210 TYPE EQUIP. HD  
 MP# 7.55 MODEL # Wavetronix

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		<i>No volume and class:</i>			
		<i>2/13</i>			

revised November 11, 1999