

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [4 0 1 8] *STATE CODE [2 9] *SHRP SECTION ID [5 0 0 0]
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STATE OR PROVINCE Missouri COUNTY Daviess
 HIGHWAY ROUTE NO. I-35 MILEPOST# _____
 NEAREST CITY/TOWN 16 mi. north of Cameron NEAREST INTERSECTION 1.3 mi. north of Route 69
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE N DATE OPENED TO TRAF. 01 - 01 - 78
 FIPS COUNTY CODE 061 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 031116310250 HPMS SUBDIVISION NO. 0
 TYPE OF PAVEMENT: AC _____ PCC X OTHER _____
 CONTROL OF ACCESS: YES X NO _____ MEDIAN: YES X NO _____
 CURRENT SURROUNDING DEVELOPMENT:
 URBAN _____ SUBURBAN _____ RURAL X
 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 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

NAME OF PREPARER <u>Fred Trippensee</u> DATE PREPARED <u>11-90</u>	PHONE # <u>(314) 751-3980</u>
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SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [4 0 1 8]
	*STATE CODE [2 9]
	*SHRP SECTION ID [5 0 0 0]

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	10,184	2,380	4,489	1,079	887
1988	8,103	1,799	3,694	830	687
1987	7,851	1,743	3,579	804	666
1986	8,715	1,935	4,191	886	733
1985	8,380	1,860	4,030	851	704
1984	7,200	1,911	3,423	881	715
1983	6,767	1,796	3,245	834	677
1982	6,519	1,730	3,127	804	652
1981	5,559	1,852	2,742	867	700
1980	5,390	1,795	2,658	841	680
1979	5,404	1,800	2,537	850	686
1978	5,538	1,844	2,575	863	696
1977					
1976					
1975					
1974					
1973					
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 [4 0 1 8]

*STATE CODE [2 9]

*SHRP SECTION ID [5 0 0 0]

1. Year Applicable 1988-1978

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 '78.
Growth trends on estimated years.
Count not available.

3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES

- ☐ Used a single count taken this year at the GPS site.
☐ 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: Commercial vehicle map truck
data for years '85, '82, '79.
Growth trends on estimated years.

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 Trippensee PHONE # (314) 751-3980DATE PREPARED 11-90

SHEET 3

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

*STATE ASSIGNED ID [4 0 1 8]

*STATE CODE [2 9]

*SHRP SECTION ID [5 0 0 0]

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.
- ☐ 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

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [4 0 1 8] *STATE CODE [2 9] *SHRP SECTION ID [5 0 0 0]
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HIGHWAY ROUTE NO. (THIS COUNT) I-35

MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile n/o Rte. 69

BEGINNING DATE 6-15-89 ENDING DATE 6-17-89

BEGINNING TIME 10:00 a.m. ENDING TIME 10:00 a.m.

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

TYPE OF COUNTER Streeter NAME/MODEL # 241

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

	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>10,932</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>.50</u>	
B. AXLE CORRECTION FACTOR	<u>.7</u>	
C. DAY OF WEEK FACTOR	<u>1.027</u>	
D. MONTH FACTOR	<u>.907</u>	
E. OTHER FACTOR (<u>2-way</u>)	<u>2.000</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>10,184</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.50</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>.8816</u>	
6. AADT GPS LANE	<u>4,489</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>	

SHEET 7 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION CONVERSION CHART	*STATE ASSIGNED ID [0188] NB *STATE CODE [29] *SHRP SECTION ID [5000]
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FOR 4-BIN, 6-BIN, OR OTHER CLASSIFICATION SYSTEMS NOT MATCHING FHWA 13-BIN SCHEME.

USE THIS SHEET TO DESCRIBE HOW THE AGENCY'S CLASSIFICATION SYSTEM CAN BE CONVERTED TO THE FHWA 13 BINS. ENTER PERCENTAGE OF TOTAL SHA CLASS DISTRIBUTED TO EACH FHWA CLASS.

APPLICABLE PERIOD *FROM January 2006 *TO May 2006

FHWA CLASSES													
SHA CLASS	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	TOTAL
*A	_65_	___	_03_	_02_	___	_02_	_26_	___	_01_	_01_	___	___	*_100_
*B	___	___	___	___	___	___	___	___	___	___	___	___	*_
C	___	___	___	___	___	___	___	___	___	___	___	___	___
D	___	___	___	___	___	___	___	___	___	___	___	___	___
E	___	___	___	___	___	___	___	___	___	___	___	___	___
F	___	___	___	___	___	___	___	___	___	___	___	___	___
G	___	___	___	___	___	___	___	___	___	___	___	___	___
H	___	___	___	___	___	___	___	___	___	___	___	___	___
I	___	___	___	___	___	___	___	___	___	___	___	___	___
J	___	___	___	___	___	___	___	___	___	___	___	___	___
K	___	___	___	___	___	___	___	___	___	___	___	___	___
L	___	___	___	___	___	___	___	___	___	___	___	___	___
M	___	___	___	___	___	___	___	___	___	___	___	___	___
N	___	___	___	___	___	___	___	___	___	___	___	___	___
O	___	___	___	___	___	___	___	___	___	___	___	___	___
P	___	___	___	___	___	___	___	___	___	___	___	___	___
Q	___	___	___	___	___	___	___	___	___	___	___	___	___
R	___	___	___	___	___	___	___	___	___	___	___	___	___
S	___	___	___	___	___	___	___	___	___	___	___	___	___
T	___	___	___	___	___	___	___	___	___	___	___	___	___
TOTAL	___	___	*_	___	___	___	*_	___	___	___	___	___	*_

NAME OF PREPARER <u>Mary L. Kladiva</u>	PHONE# <u>573-526-4907</u>
DATE PREPARED <u>June 19, 2006</u>	rev. March 12, 2001

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG	*STATE ASSIGNED ID	[0188]	LOCATION	B35 2.0 mi. N/A Rte. B
	*STATE CODE	[29]	INSTALLATION DATE	_____
	*SHRP SECTION ID	[5000]		

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment	IRD 1067 WIM	IRD	9906-5720
x Control Unit	IRD WIM 1067	IRD	9906-5720
x Interface	—	—	—
x Modem	56K V.92	U.S. Robotics	—
Loop Amplifiers	N/A	—	—
Other _____	N/A	—	—
Sensor(s) / Platform(s)	PIEZO	MEASUREMENT SPEC.	—
LTPP Lane Sensor	PIEZO CLS 1	" "	—
Sensor Next Adjacent Lane (1)	PIEZO CLS 2	" "	—
Senor Next Adjacent Lane (2)	—	—	—
Sensor Next Adjacent Lane (3)	—	—	—
Diagonal Sensor	N/A	—	—
Offscale Sensor	N/A	—	—
Right Platform	N/A	—	—
Left Platform	N/A	—	—
Other _____	NA	—	—
Software	IRD R7.50	IRD SOFTWARE	—
Complete Package	—	—	—
Axle Spacing Algorithm Only	72 inches	—	—
Other _____	—	—	—
Loops	ELETR0-MAGNETIC	18G WIRE 4TURN 6'x6'	—
Upstream - Lane 1	ELETR0-MAGNETIC	18G WIRE 4TURN 6'x6'	—
Downstream - Lane 1	—	—	—
Upstream - Other Lanes	ELETR0-MAGNETIC	18G. WIRE 4TURN 6'x6'	—
Downstream - Other Lanes	ELETR0 MAGNETIC	18G. WIRE 4TURN 6'x6'	—

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	0188] NB
	*STATE CODE	29]
	*SHRP SECTION ID	5000]

LOCATION I 35 NB TYPE EQUIP. IRD
 MP# 1302 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1-7-10		Equip Problem - No Data	Field Acquisition	Crew	
		1/7, 1/14, 2/4, 2/8, 3/10, 3/17			
		5/14, 6/10, 8/13, 8/14, 8/15, 8/16			
		8/17, 8/18, 9/1, 9/17, 9/18			
		9/19, 9/20, 9/21, 10/27, 11/8			
		11/27, 11/28, 12/26, 12/28, 12/29			
		No Volume Data or			
		Class Data for above dates.			
		No Class Data for dates below.			
		3/23, 3/24, 3/25, 3/26, 4/8			
		4/9, 7/20, 7/21, 7/22, 10/28			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0188] <i>nb</i>
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

LOCATION IS 35 2.0 mile N of RTB TYPE EQUIP. IRD
 MP# 13.02 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
2/25		No class/Wim/Equipment Problems	Field Acquisition Crew		
4/27, 30		" "	" "		

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	<u>0188</u> nb
	*STATE CODE	<u>29</u>
	*SHRP SECTION ID	<u>5000</u>

LOCATION 15.35 @ miles n/o Rt. B TYPE EQUIP. IRD 1007
 MP# 13.03 MODEL # 1007

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/1-12	all day	no class/wim equip.	Field Acquisition crew		
2/9		problems			
3/2, 10					
4/2					
10/30					
7/1-4, 9					
10/7					
12/21-30	↓	↓	↓		

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0188] nb
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

LOCATION IS 35 @ milo n/o Rt. B TYPE EQUIP. IRD
 MP# 13.02 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/1-3	all day	no class wim, equipment	Field Acquisition		
5/14-30	↓	problems	crew		
7/2	↓				
8/14-15	↓				
11/27-30	↓				
12/1-18	↓	↓	↓		

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0188] SB
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

LOCATION 535 2.0 mi. W/o Rte. B TYPE EQUIP. IRD
 MP# 13.02 MODEL # 1067

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

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0188]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

LOCATION Is35 NB TYPE EQUIP. IRD
 MP# 1302 MODEL # 1067

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		EQUIPMENT FAILURE	FIELD ACQ CREW		
		NO VOLUME OR CLASS DATA			
		1/27, 1/28, 2/1 THRU 2/10, 2/21			
		2/23 THRU 2/25, 3/22, 4/4			
		THRU 4/6, 9/7, 9/8, 10/13,			
		10/27			
		NO CLASS DATA :			
		9/1 - 9/30, 11/8, 11/9, 11/10			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	**STATE ASSIGNED ID	[0188]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5000]

LOCATION IS 35 TYPE EQUIP. IRD
 MP# 1302 MODEL # 1067

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, 2/7 to 4/7, 4/22 to 4/30, 5/16, 5/19</i>			
		<i>to 5/23</i>			
		<i>No class:</i>			
		<i>2/1 to 4/30, 5/16, 5/19 to 5/23</i>			

revised November 11, 1999