

SCANNED

JUN 18 2008

BY

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [6008]
	*STATE CODE [29]
	*SHRP SECTION ID [5413]

STATE OR PROVINCE Missouri COUNTY DunklinHIGHWAY ROUTE NO. 412 MILEPOST# _____NEAREST CITY/TOWN 1.5 mi. s/o Kennett NEAREST INTERSECTION 1.05 mi. n/o Route CCFUNCTIONAL CLASS 06 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2DIRECTION OF TRAVEL GPS LANE N (E) DATE OPENED TO TRAF. 08-06-89FIPS COUNTY CODE 069 FHWA STATION IDENTIFICATION NO. _____HPMS SAMPLE NO. 035083948340 HPMS SUBDIVISION NO. 0TYPE OF PAVEMENT: AC X PCC _____ OTHER _____CONTROL OF ACCESS: YES _____ NO X MEDIAN: YES _____ NO XCURRENT 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 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>9-90</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	<div style="display: flex; justify-content: space-between;"> <div> *STATE ASSIGNED ID [<u>030</u> 6008] </div> <div> *STATE CODE [<u>29</u>] </div> </div> <div> *SHRP SECTION ID [<u>5413</u>] </div>
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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	4,220	720	2,110	360	137
1988	4,800	448	2,400	224	78
1987	5,168	482	2,584	241	84
1986	5,082	474	2,541	237	82
1985	4,822	450	2,411	225	78
1984	4,588	474	2,294	237	85
1983	4,316	446	2,158	223	80
1982	4,066	420	2,033	210	76
1981	4,030	253	2,015	127	41
1980	3,993	250	1,997	125	41
1979	4,146	260	2,073	130	42
1978	4,200	292	2,100	146	37
1977	4,109	286	2,055	143	36
1976	4,028	280	2,014	140	36
1975	4,028	280	2,014	140	20
1974	3,081	280	1,541	140	20
1973	2,860	260	1,430	130	19
1972	2,522	258	1,261	129	17
1971	2,449	247	1,225	124	17
1970	2,378	240	1,189	120	16
1969	2,348	249	1,174	125	28
1968	2,281	242	1,141	121	27
1967	2,215	235	1,108	118	27
1966	1,686	179	843	90	20
1965	1,625	172	813	86	19

NAME OF PREPARER <u>Fred Trippensee</u>	PHONE # <u>314-751-3980</u>
DATE PREPARED <u>Sept 92'</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [<u>6</u> <u>0</u> <u>0</u> <u>8</u>] *STATE CODE [<u>2</u> <u>9</u>] *SHRP SECTION ID [<u>5</u> <u>4</u> <u>1</u> <u>3</u>]
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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	4,220	720	2,110	360	137
1988					
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>Fred Trippensee</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>9-90</u>	

SHEET 3

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

*STATE ASSIGNED ID [6 0 0 8]

*STATE CODE [2 9]

*SHRP SECTION ID [5 4 1 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.
- ☐ 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: 50% of 2-way AADT

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: AVC-assumed truck AADT was 50% EB, 50% WB

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 9-90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [6 0 0 8] *STATE CODE [2 9] *SHRP SECTION ID [5 4 1 3]
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HIGHWAY ROUTE NO. (THIS COUNT) Route 412 (NB)

MILEPOST# OR LOCATION (THIS COUNT) 1.1 mi. s/o Rte. A

BEGINNING DATE 10-5-89 ENDING DATE 10-7-89

BEGINNING TIME 11:00 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 ONE DIRECTION ONLY X GPS TEST LANE ONLY

ACTUAL COUNTS	
ITEM	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>4,231</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):	
A. ADJUSTMENT TO ⁴⁸ 24 -HOUR COUNT	<u>.50</u>
B. AXLE CORRECTION FACTOR	<u> </u>
C. DAY OF WEEK FACTOR	<u>.9974</u>
D. MONTH FACTOR	<u>1.000</u>
E. OTHER FACTOR (<u>2-way</u>)	<u>2.000</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4,220</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.50</u>
5. GPS LANE DISTRIBUTION FACTOR	<u>1.000</u>
6. AADT GPS LANE	<u>2,110</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

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DATE PREPARED <u>9-90</u>	

SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [6 0 0 8] *STATE CODE [2 9] *SHRP SECTION ID [5 4 1 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	_____	_____	_____
GRAND TOTAL	_____	_____	_____

NAME OF PREPARER <u>Fred Trippensee</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>9-90</u>	

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG		*STATE ASSIGNED ID [1030] *STATE CODE [29] *SHRP SECTION ID [5413]	LOCATION <u>US 412</u> INSTALLATION DATE
Control Unit(s) and peripheral equipment			
Control Unit	ADR 3000	PEEK	02FF469601350009
Interface			
Modem	LPRM-14-E		
Loop Amplifiers			
Other			
Sensor(s) / Platform(s)			
LTPP Lane Sensor	Piezo Class 1	Measurement specialties	
Sensor Next Adjacent Lane (1)	"	"	
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other			
Software			
Complete Package	ADR 4.70	PEEK	
Axle Spacing Algorithm Only	72"		
Other			
Loops			
Upstream - Lane 1	Electromagnetic	18 ga. wire 4 turns	6' x 6'
Downstream - Lane 1	"	"	"
Upstream - Other Lanes	Electromagnetic	18 ga. wire 4 turns	6' x 6'
Downstream - Other Lanes			

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1030] EB
	*STATE CODE	[29]
	*SHRP SECTION ID	[543]

LOCATION US 412 TYPE EQUIP. Peek
 MP# 19.39 MODEL # ADK 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		Equipment Failure	Field Crew		
		No Volume or Class			
		Data Available for			
		dates below.			
		1/14, 3/14, 12/25, 10/26,			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

LOCATION - US 413 TYPE EQUIP. Peek
 MP# _____ MODEL # ADP 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/8		No Class / Equipment Problems	Field Acquisition Crew		
3/8, 24-25					
3/27-31					
4/8					
5/1-5					

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

LOCATION US 410 0.1 mile e/o RTCC
 TYPE EQUIP. Peak
 MP# _____ MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/4-14-31	all day	no class/wim, equipment	Field Acquisition crew		
3/11/2008	↓	↓ problem	↓		
5/1-2	↓	↓	↓		

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

LOCATION US 412 0.1 mile e/o Rt. CC TYPE EQUIP. Peek
 MP# _____ MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
4/2	all day	no class/wim, equipment problems	Field Acquisition crew		

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SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

LOCATION US 412 TYPE EQUIP. PEEK
 MP# 19.39 MODEL # ADR 3000

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:			
		2/1 - 2/10, 3/1 - 3/6, 3/9 -			
		3/13, 5/1, 5/2, 5/5 - 5/14			
		5/18 - 5/20, 10/5			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	**STATE ASSIGNED ID	[1030]
	*STATE CODE	[29]
	*SHRP SECTION ID	[5413]

LOCATION US 412 TYPE EQUIP. PEEK
 MP# 19.39 MODEL # ADR 3000

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