

SCANNED

JUN 18 2008

BY

[Signature]

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [Z 0 1 6] *STATE CODE [2 9] *SHRP SECTION ID [Z 0 2 3]
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STATE OR PROVINCE Missouri COUNTY Livingston

HIGHWAY ROUTE NO. 65 MILEPOST# _____

NEAREST CITY/TOWN 0.5 mi. s/o Chillicothe NEAREST INTERSECTION 0.5 mi. s/o Rte. 36

FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2

DIRECTION OF TRAVEL GPS LANE 5 DATE OPENED TO TRAF. 8 - 8 - 81

FIPS COUNTY CODE 117 FHWA STATION IDENTIFICATION NO. _____

HPMS SAMPLE NO. 059037913612 HPMS SUBDIVISION NO. 0

TYPE OF PAVEMENT: AC X PCC _____ OTHER _____

CONTROL OF ACCESS: YES _____ NO X MEDIAN: YES _____ NO X

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 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.

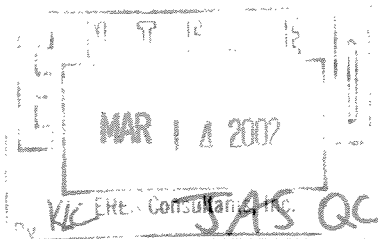
Sheets included: 1, 2, 3, 4, 5

NAME OF PREPARER <u>John Rankin</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>10-90</u>	

Livingston 65

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	* STATE ASSIGNED ID 0206
	* STATE CODE 29
	*SHRP SECTION 7073

	1	2	3	*4	*5
YEAR	ESTIMATED	ESTIMATED	ESTIMATED	ESTIMATED	ESITMATED
	TOTAL VEHICLES	TOTAL TRUCK	TOTAL VEHICLES	TOTAL TRUCK	ESALs/YEAR
	AADT	AADT	AADT	AADT	LTPP LANE
	(TWO-WAY)	(TWO-WAY)	LTPP LANE	LTPP LANE	(1000)
1989					
1988					
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980	2950	555	1475	277	96
1979	3110	585	1555	292	102
1978	2950	555	1475	277	96
1977	2880	541	1440	271	94
1976	3080	579	1540	290	101
1975	2820	530	1410	265	92
1974	2773	521	1387	261	91
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					
NAME OF PREPARER	ALLAN HECKMAN		PHONE (573)751-2842		
DATE PREPARED	02/07/2002				



SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [2 0 1 6]
	*STATE CODE [2 2]
	*SHRP SECTION ID [2 0 7 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	3,430	650	1,715	325	112
1988	3,340	630	1,670	315	109
1987	3,310	620	1,655	310	108
1986	3,120	590	1,560	295	102
1985	2,990	560	1,495	280	97
1984	2,970	560	1,485	280	97
1983	3,110	580	1,555	290	101
1982	2,990	560	1,495	280	97
1981	3,020	570	1,510	285	99
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>John Rankin</u>	PHONE # <u>(314) 751-3980</u>
DATE PREPARED <u>10-90</u>	

SHEET 3**LTPP TRAFFIC DATA
PROCEDURES FOR ESTIMATING
ANNUAL AVERAGE VOLUMES AND
TOTAL ANNUAL ESALS**

*STATE ASSIGNED ID [7 0 1 6]

*STATE CODE [2 9]

*SHRP SECTION ID [7 0 7 3]

1. Year Applicable 1981-1989**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: ATR at site

**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 John RankinPHONE # (314) 751-3980DATE PREPARED 10-90

SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION LOG

*STATE ASSIGNED ID
*STATE CODE
*SHRP SECTION ID

10206
129
1073

LOCATION 12.84 US65
INSTALLATION DATE 06/46

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment	ADR 3000	Peek	
Control Unit	ADR-3000	Peek	
Interface			02F4CC9602610092
Modem	LPM-14-E		
Loop Amplifiers	N/A		
Other	N/A		
Sensor(s) / Platform(s)	Piezo	measurement Specialties	
LTPP Lane Sensor	Piezo class 1	"	"
Sensor Next Adjacent Lane (1)	Piezo class 1	"	"
Sensor 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	N/A		
Software	ADR-4400 4.70	Peek	
Complete Package			
Axle Spacing Algorithm Only	72 inches		
Other			
Loops	Electro-magnetic	18 ga 4 turns 6' x 6'	
Upstream - Lane 1	"	"	"
Downstream - Lane 1			
Upstream - Other Lanes	Electro-magnetic	18 ga wire 4 turns 6' x 6'	
Downstream - Other Lanes	"	"	"

SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION LOG

*STATE ASSIGNED ID
*STATE CODE
*SHRP SECTION ID

10206
129
1073

LOCATION 12.84 US65
INSTALLATION DATE 06/46

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment	ADR 3000	Peek	
Control Unit	ADR-3000	Peek	
Interface			02F4CC9602610092
Modem	LPM-14-E		
Loop Amplifiers	N/A		
Other	N/A		
Sensor(s) / Platform(s)	PiezO	Measurement Specialties	
LTPP Lane Sensor	PiezO CLASS 1	"	"
Sensor Next Adjacent Lane (1)	PiezO CLASS 1	"	"
Sensor 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	N/A		
Software	ADR 4000 4.70	Peek	
Complete Package			
Axle Spacing Algorithm Only	72 inches		
Other			
Loops	Electro-magnetic	18 ga 4 turns 6'x6'	
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes	Electro-magnetic	18 ga wire 4 turns 6'x6'	
Downstream - Other Lanes			

SHEET 14 LTPP TRAFFIC DATA EQUIPMENT INSTALLATION LOG		*STATE ASSIGNED ID *STATE CODE *SHRP SECTION ID	10206 129 17073	LOCATION US 65 3.7 miles S/O US 36 INSTALLATION DATE 06/46
Control Unit(s) and peripheral equipment	ADL3000	Peak		02F4C09002610092
Control Unit	ADL3000	Peak		
Interface	—			
Modem	LPM-14-E			
Loop Amplifiers	NA			
Other	NA			
Sensor(s) / Platform(s)	Piczo	Measurement Spectator		
LTPP Lane Sensor	Piczo Class 1	" "		
Sensor Next Adjacent Lane (1)	Piczo Class 1	" "		
Sensor Next Adjacent Lane (2)	—			
Sensor Next Adjacent Lane (3)	—			
Diagonal Sensor	NA			
Offscale Sensor	NA			
Right Platform	NA			
Left Platform	NA			
Other	NA			
Software	PDA 470	Peak		
Complete Package	—			
Axle Spacing Algorithm Only	72"			
Other				
Loops	Electro Magnetic	18 ga 4 turn 6'x6'		
Upstream - Lane 1				
Downstream - Lane 1	—			
Upstream - Other Lanes	Electro Magnetic	18 ga wire 4 turns 6'x6'		
Downstream - Other Lanes	"			

SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION LOG

*STATE ASSIGNED ID
*STATE CODE
*SHRP SECTION ID

0206
29
7073

LOCATION US 65 3.7 miles S of US 36
INSTALLATION DATE 06/96

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	ADR3000	peek	
Interface	—		
Modem	LPM-14-E		
Loop Amplifiers	NA		
Other	NA		
Sensor(s) / Platform(s)			
LTPP Lane Sensor	Piezo Cable	Measurement Specialties	
Sensor Next Adjacent Lane (1)	Piezo Cable	" "	
Sensor Next Adjacent Lane (2)	—		
Sensor Next Adjacent Lane (3)	—		
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other			
Software	ADR 470	peek	
Complete Package	—		
Axle Spacing Algorithm Only	72"		
Other			
Loops			
Upstream - Lane 1	Electro Magnetic	18ga 4 turn 6'x6'	
Downstream - Lane 1	—	—	
Upstream - Other Lanes	Electro Magnetic	18ga 4 turn 6'x6'	
Downstream - Other Lanes	" "	" "	

SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION LOG

*STATE ASSIGNED ID
*STATE CODE
*SHRP SECTION ID

0206
29
17073

LOCATION US 65 3.7 mibs us 36
INSTALLATION DATE 06/46

Control Unit(s) and peripheral equipment	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit			
Interface	ADR 3000	PEEK	
Modem	—		02F4CC602610092
Loop Amplifiers	LPM-14-E		
Other _____	NA		
Sensor(s) / Platform(s)	NA		
LTPP Lane Sensor	Piezo Cable 2	Measurements	
Sensor Next Adjacent Lane (1)	Piezo Cable 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	—		
Other _____	72"		
Loops			
Upstream - Lane 1			
Downstream - Lane 1	Electromagnetic	18 ga 4 turn 6'x6'	
Upstream - Other Lanes	—		
Downstream - Other Lanes	Electromagnetic	18 ga 4 turn 6'x6'	

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0206]	WB
	*STATE CODE	[29]	
	*SHRP SECTION ID	[7073]	

LOCATION US 65 TYPE EQUIP. Peek
 MP# 1254 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
		No Class or Volume	Field Acquisition Crew		
		Equipment Problem	for dates below.		
		1/27, 3/14 6/7, 6/8, 6/9,			
		No Class Only Data	for dates below.		
		1/1 thru 6/9			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0206] mb
	*STATE CODE	[29]
	*SHRP SECTION ID	[1023]

LOCATION US 65 3.7 miles s/o US 36 TYPE EQUIP. Peek
 MP# _____ MODEL # ADR 3000

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

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0206] nb
	*STATE CODE	[a9]
	*SHRP SECTION ID	[1013]

LOCATION US 65 3.7 miles s/o US 30 TYPE EQUIP. Peel
 MP# 12-84 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
2/21	all day	no class/wim equipment	Field Acquisition crew		
4/2	↓	↓ problems	↓		
10/30	↓	↓	↓		

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0206] nb
	*STATE CODE	[09]
	*SHRP SECTION ID	[7073]

LOCATION US 65 3.7 miles s/o US 36 TYPE EQUIP. Peek
 MP# 12.84 MODEL # ADR 3000

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
1/30	all day	no class / wim, equipment	Field Acquisition		
3/11		problems	crew		
5/8-12	↓	↓	↓		
11/10					
12/00	✓	✓	✓		

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID	[0206]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7073]

LOCATION US 65 TYPE EQUIP. PEEK
 MP# 1284 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 - 2/9, 2/24 - 2/27, 3/7,			
		3/13, NO VOLUME OR CLASS			
		NO CLASS DATA :			
		5/9, 5/10, 5/11			

revised November 11, 1999

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGE AT LTPP TEST LOCATIONS WITH PERM. AVC OR WIM	**STATE ASSIGNED ID	[0206]
	*STATE CODE	[29]
	*SHRP SECTION ID	[7073]

LOCATION US 65 TYPE EQUIP. PEEK
 MP# 1284 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