

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [5 0 0 1] *STATE CODE [2 9] *SHRP SECTION ID [5 0 4 7]
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STATE OR PROVINCE Missouri COUNTY St. Louis
 HIGHWAY ROUTE NO. Route 40 MILEPOST# _____
 NEAREST CITY/TOWN 0.8 mi. w/o R.R. bridge in Chesterfield NEAREST INTERSECTION 2 mi. w/o Rte. 340
 FUNCTIONAL CLASS 12 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 01-08-72
 FIPS COUNTY CODE 189 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 550001201002 HPMS SUBDIVISION NO. 1
 TYPE OF PAVEMENT: AC _____ PCC X OTHER _____
 CONTROL OF ACCESS: YES X NO _____ MEDIAN: YES X NO _____
 CURRENT SURROUNDING DEVELOPMENT:
 URBAN _____ SUBURBAN X RURAL _____
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?
 YES X NO _____
 IF YES, DESCRIBE CHANGES Changed from rural surrounding to regional suburban shopping area.

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>10-90</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [5 0 0 1] *STATE CODE [29] *SHRP SECTION ID [5 0 4 7]
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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	40,160	2,360	12,738	812	426
1988	36,700	2,158	12,079	766	402
1987	32,259	1,897	11,274	708	371
1986	31,783	1,869	11,108	698	366
1985	30,269	1,780	10,819	677	355
1984	30,295	1,781	10,427	685	359
1983	29,451	1,732	10,645	666	349
1982	27,269	1,603	10,073	628	329
1981	26,647	1,567	9,814	619	324
1980	24,371	1,433	9,641	566	297
1979	24,792	1,458	9,807	576	302
1978	23,488	1,381	9,061	561	294
1977	22,370	1,315	8,718	539	283
1976	15,404	906	6,441	395	207
1975	14,532	854	6,076	372	195
1974	13,782	810	5,817	356	187
1973	14,386	846	6,071	371	194
1972	11,330	666	4,943	299	157
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER	Fred Trippensee	PHONE #	(314) 751-3980
DATE PREPARED	10-90		

SHEET 3

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

*STATE ASSIGNED ID [5 0 0 1]

*STATE CODE [2 9]

*SHRP SECTION ID [5 0 4 7]

1. Year Applicable 1988-1972

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 '73.
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. (1989 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: 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 10-90

SHEET 3

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

*STATE ASSIGNED ID [5 0 0 1]

*STATE CODE [2 9]

*SHRP SECTION ID [5 0 4 7]

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 Trippensee

PHONE # (314) 751-3980

DATE PREPARED 10-90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [5 0 0 1] *STATE CODE [2 9] *SHRP SECTION ID [5 0 4 7]
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HIGHWAY ROUTE NO. (THIS COUNT) Route 40
 MILEPOST# OR LOCATION (THIS COUNT) 4.3 Miles e/o Missouri River Bridge
 BEGINNING DATE 8-3-89 ENDING DATE 8-5-89
 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

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)		<u>42,160</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>1.00</u>
D. MONTH FACTOR		<u>0.9526</u>
E. OTHER FACTOR (<u>2-way</u>)		<u>2.000</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>40,160</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.6344</u>
6. AADT GPS LANE		<u>12,738</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Fred Trippensee</u> DATE PREPARED <u>10-90</u>	PHONE # <u>(314) 751-3980</u>
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SHEET 5 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA FHWA 13-CLASS SYSTEM	*STATE ASSIGNED ID [5 0 0 1] *STATE CODE [2 9] *SHRP SECTION ID [5 0 4 7]
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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.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
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	_____	_____	_____

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DATE PREPARED <u>10-90</u>	

Summary Attached.