

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [5350] *STATE CODE [11] *SHRP SECTION ID [5843]
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STATE OR PROVINCE ILLINOIS COUNTY OGLE  
 HIGHWAY ROUTE NO. I 39 MILEPOST# MP 109  
 NEAREST CITY/TOWN 2 MILES S. OF LINDENWOOD NEAREST INTERSECTION 1.5 MILES N. OF ILL. 64  
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 09-82  
 FIPS COUNTY CODE 141 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_  
 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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

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.

NAME OF PREPARER <u>RAY L RAMBO</u> DATE PREPARED _____	PHONE # <u>217/785-2999</u>
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<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	<b>*STATE ASSIGNED ID</b> [5250] <b>*STATE CODE</b> [11] <b>*SHRP SECTION ID</b> [5843]
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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	15,000	4,330	6,750	1,949	978
1988	13,500	4,300	6,075	1,935	971
1987	12,000	3,720	5,400	1,674	840
1986	10,300	2,990	4,635	1,346	675
1985	8,600	2,240	3,870	1,008	506
1984	7,800	2,000	3,510	900	452
1983	6,900	1,770	3,105	797	400
1982	4,000	1,025	1,800	461	75
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER	RAY L RAMBO	PHONE #	217/785-2999
DATE PREPARED	04-26-91		

<p><b>SHEET 3</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>PROCEDURES FOR ESTIMATING</b></p> <p><b>ANNUAL AVERAGE VOLUMES AND</b></p> <p><b>TOTAL ANNUAL ESALS</b></p>	<p>*STATE ASSIGNED ID [5250]</p> <p>*STATE CODE [11]</p> <p>*SHRP SECTION ID [5843]</p>
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1. Year Applicable 1982-1988
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: USED TRUCK FLOW MAPS

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) 3
  - ☐ 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: BY USE OF ESAL/VEHICLE AND YEARLY TRAFFIC DATA
- (B) Weight Scale Type
- ☐ WIM scale.
  - ☒ Static scale used for enforcement.
  - ☐ Static scale not used for enforcement.
  - ☐ Other: \_\_\_\_\_

NAME OF PREPARER <u>RAY L RAMBO</u>	PHONE # <u>217/785-2999</u>
DATE PREPARED <u>04-26-91</u>	

<b>SHEET 3</b> <b>LTPP TRAFFIC DATA</b> <b>PROCEDURES FOR ESTIMATING</b> <b>ANNUAL AVERAGE VOLUMES AND</b> <b>TOTAL ANNUAL ESALS</b>	*STATE ASSIGNED ID [5250]
	*STATE CODE [17]
	*SHRP SECTION ID [5843]

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) 3
  - ☐ 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: BY USE OF ESAL/VEHICLE AND YEARLY TRAFFIC DATA
- (B) Weight Scale Type
- ☐ WIM scale.
  - ☒ Static scale used for enforcement.
  - ☐ Static scale not used for enforcement.
  - ☐ Other: \_\_\_\_\_

NAME OF PREPARER <u>RAY L. RAMBO</u>	PHONE # <u>217/785-2999</u>
DATE PREPARED <u>04-26-91</u>	

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<b>SHEET 5</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ <u>5250</u> ]
	*STATE CODE [ <u>11</u> ]
	*SHRP SECTION ID [ <u>5843</u> ]

HIGHWAY RT. NO. (THIS COUNT) I 39 MILEPOST# (THIS COUNT) MP 109

LOCATION (THIS COUNT) N. OF ILL 61 FUNCTIONAL CLASS 01

BEGINNING DATE 07-24-89 ENDING DATE 07-24-89

BEGINNING TIME 1200 ENDING TIME 1800 DURATION (HRS) 6

TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. ☐ AVC PORT. ☐ WIM PERM. ☐ WIM PORT. ☐

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

TOTAL NO. OF VEHICLES CLASSIFIED 6296 # TRUCKS 1418 % TRUCKS 22

NO. OF TRUCKS IN GPS LANE \_\_\_\_\_ % OF TRUCKS IN GPS LANE 45

VEHICLE CLASSIFICATION METHOD: FHWA ☐ OTHER ☒ # BINS 8

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	_____	_____	_____

NAME OF PREPARER <u>RAY L RAMBO</u>	PHONE # <u>217/785-2999</u>
DATE PREPARED <u>04-26-91</u>	

<b>SHEET 5</b>  <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ <u>5250</u> ]  *STATE CODE [ <u>17</u> ]  *SHRP SECTION ID [ <u>5043</u> ]
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HIGHWAY RT. NO. (THIS COUNT) I 39 MILEPOST# (THIS COUNT) MP 109

LOCATION (THIS COUNT) N. OF ILL. 64 FUNCTIONAL CLASS 01

BEGINNING DATE 07-21-89 ENDING DATE 07-21-89

BEGINNING TIME 0600 ENDING TIME 1200 DURATION (HRS) 6

TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED 4

TYPE OF EQUIP.: AVC PERM. ☐ AVC PORT. ☐ WIM PERM. ☐ WIM PORT. ☐

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

TOTAL NO. OF VEHICLES CLASSIFIED 6,191 # TRUCKS 1,620 % TRUCKS 26

NO. OF TRUCKS IN GPS LANE \_\_\_\_\_ % OF TRUCKS IN GPS LANE 45

VEHICLE CLASSIFICATION METHOD: FHWA ☐ OTHER ☒ # BINS 8

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** -----

NAME OF PREPARER <u>RAY L. RAMBO</u>	PHONE # <u>217/785-2999</u>
DATE PREPARED <u>04-26-91</u>	

<p><b>SHEET 6</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>VEHICLE CLASSIFICATION DATA</b></p> <p><b>AGENCY DEFINED CLASSES</b></p>	<p>*STATE ASSIGNED ID [<u>5250</u>]</p> <p>*STATE CODE [<u>11</u>]</p> <p>*SHRP SECTION ID [<u>5843</u>]</p>
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FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I 39 MILEPOST # (THIS COUNT) MP 109

BEGINNING DATE 07-24-89 ENDING DATE 07-24-89

BEGINNING TIME 1200 ENDING TIME 1800 DURATION (HRS) 6

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>4-TIRE</u>	<u>4,878</u>	-----	-----
B. <u>6-TIRE</u>	<u>215</u>	-----	-----
C. <u>3A SU</u>	<u>35</u>	-----	-----
D. <u>BUS</u>	<u>9</u>	-----	-----
E. <u>3A MU</u>	<u>11</u>	-----	-----
F. <u>4A MU</u>	<u>50</u>	-----	-----
G. <u>5A MU</u>	<u>1,028</u>	-----	-----
H. <u>6A+ MU</u>	<u>10</u>	-----	-----
I. _____	-----	-----	-----
J. _____	-----	-----	-----
K. _____	-----	-----	-----
L. _____	-----	-----	-----
M. _____	-----	-----	-----
N. _____	-----	-----	-----
O. _____	-----	-----	-----
P. _____	-----	-----	-----
Q. _____	-----	-----	-----
R. _____	-----	-----	-----
S. _____	-----	-----	-----
T. _____	-----	-----	-----

GRAND TOTAL 6,296

NAME OF PREPARER <u>RAY L. RAMBO</u>	PHONE # <u>217/785-2999</u>
DATE PREPARED <u>04-26-91</u>	

SHEET 6  
LTPP TRAFFIC DATA  
VEHICLE CLASSIFICATION DATA  
AGENCY DEFINED CLASSES

\*STATE ASSIGNED ID [5250]  
\*STATE CODE [11]  
\*SHRP SECTION ID [5843]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) IF 39 MILEPOST # (THIS COUNT) MP 109

BEGINNING DATE 07-21-89 ENDING DATE 07-21-89

BEGINNING TIME 0600 ENDING TIME 1200 DURATION (HRS) 6

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>4-TIRE</u>	<u>4,571</u>		
B. <u>6-TIRE</u>	<u>232</u>		
C. <u>3A SU</u>	<u>135</u>		
D. <u>BUS</u>	<u>16</u>		
E. <u>3A MU</u>	<u>9</u>		
F. <u>4A MU</u>	<u>52</u>		
G. <u>5A MU</u>	<u>1,160</u>		
H. <u>6A+ MU</u>	<u>16</u>		
I. _____			
J. _____			
K. _____			
L. _____			
M. _____			
N. _____			
O. _____			
P. _____			
Q. _____			
R. _____			
S. _____			
T. _____			

GRAND TOTAL 6,191

NAME OF PREPARER RAY L RAMBO PHONE # 212/785-2999  
DATE PREPARED 04-26-91



SHEET 7

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION  
CONVERSION CHART

\*STATE ASSIGNED ID [5250]

\*STATE CODE [11]

\*SHRP SECTION ID [5843]

FOR 4-BIN, 6-BIN, OR OTHER NON FHWA CLASSIFICATION SYSTEMS

USE THIS SHEET TO DESCRIBE HOW THE AGENCY'S CLASSIFICATION SYSTEM CAN BE CONVERTED TO THE FHWA 13-CLASSES. ENTER PERCENTAGE OF TOTAL SHA CLASS DISTRIBUTED TO EACH FHWA CLASS. APPLICABLE PERIOD FROM 1980 TO PRESENT

FHWA CLASSES													
SHA CLASS	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	TOTAL
A	100												
B			100										
C				100									
D	100												
E						100							
F						100							
G							*		*				
H								*		*	*		
I													
J													
K													
L													
M													
N													
O													
P													
Q													
R													
S													
T													
TOTAL													

\* THIS DISTRIBUTION HAS NOT BEEN DEVELOPED, WE DO NOT ATTEMPT TO CONVERT OUR MANUAL COUNT FORMAT TO THE FHWA FORMAT.

NAME OF PREPARER RAY L RAMBO PHONE # 217/785-2999

DATE PREPARED 04-26-91