

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 1  
LTPP TRAFFIC DATA  
SUMMARY TRANSMITTAL FORM

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

STATE OR PROVINCE INDIANA COUNTY TIPPECANOE  
HIGHWAY ROUTE NO. I 65 MILEPOST # 177  
NEAREST CITY/TOWN 1.69 MI NORTH OF LAFAYETTE NEAREST INTERSECTION  
1.25 MILES NORTH OF SR 25  
FUNC. CLASS 01 NO. LANES EACH DIRECTION 02 TOTAL LANES 04  
DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAFFIC 12/ /70  
FIPS COUNTY CODE 157 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
HPMS SAMPLE NO. 000065174130 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 \_\_\_\_\_  
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 DAVID P KELLY PHONE # 317-232-5134  
DATE PREPARED 03/92

## INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 2  
 LTPP TRAFFIC DATA  
 TRAFFIC VOLUMES AND LOAD  
 ESTIMATES

\* STATE ASSIGNED ID 0545  
 \* STATE CODE 18  
 \* SHRP SECTION ID 5518

	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCKS 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	28089	6826	9522	2990	4658
1988	26382	6411	8943	2808	4375
1987	25490	6194	8641	2713	4227
1986	23680	5754	8028	2521	3927
1985	22737	5525	7708	2420	3771
1984	23800	5783	8068	2533	3947
1983	21848	5309	7406	2326	3623
1982	21229	5159	7197	2260	3521
1981	20777	5049	7043	2212	3446
1980	19863	4827	6734	2114	3294
1979	18949	4605	6424	2017	3143
1978	18035	4383	6114	1920	2991
1977	17121	4160	5804	1822	2839
1976	16207	3938	5494	1725	2688
1975	15293	3716	5184	1628	2536
1974	14379	3494	4874	1531	2385
1973	13465	3272	4565	1433	2233
1972	12551	3050	4255	1336	2081
1971	11637	2828	3945	1239	1930
1970	10723	2606	3635	1141	1778
1969	0	0	0	0	0
1968	0	0	0	0	0
1967	0	0	0	0	0
1966	0	0	0	0	0
1965	0	0	0	0	0

NAME OF PREPARER DAVID P KELLY PHONE # 317-232-5134  
 DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

**SHEET 3**  
**LTPP TRAFFIC DATA**  
**PROCEDURES FOR ESTIMATING**  
**ANNUAL AVERAGE VOLUMES AND**  
**TOTAL ANNUAL ESAL'S**

\* STATE ASSIGNED ID 0545  
 \* STATE CODE 18  
 \* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1970

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.  
 X OTHER: 1971 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- X ESAL/TRUCK  
 \_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
 \_\_\_ 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  
 X OTHER: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- X WIM SCALE  
 \_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
 \_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
 \_\_\_ OTHER:

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

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<p align="center">SHEET 3</p> <p align="center">LTPP TRAFFIC DATA</p> <p>PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESAL'S</p>	<p>* STATE ASSIGNED ID    <u>0545</u></p> <p>* STATE CODE                <u>18</u></p> <p>* SHRP SECTION ID        <u>5518</u></p>
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1. YEAR APPLICABLE 1971

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.

X OTHER: 1972 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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.

X OTHER: USED WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

\_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.

X OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

\_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.

X OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

X ESAL/TRUCK

\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_\_\_

\_\_\_ 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

X OTHER: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

X WIM SCALE

\_\_\_ STATIC SCALE USED FOR ENFORCEMENT

\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT

\_\_\_ OTHER: \_\_\_\_\_

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<p>NAME OF PREPARER    <u>DAVID P KELLY</u></p> <p>DATE PREPARED    <u>03/92</u></p>	<p>PHONE #    <u>317-232-5134</u></p>
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INDIANA DEPARTMENT OF TRANSPORTATION

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LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
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1. YEAR APPLICABLE 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: 1973 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER:

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

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SHEET 3  
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ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
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\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1973

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: 1974 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992  
(B) WEIGHT SCALE TYPE  
☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER: \_\_\_

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\* STATE ASSIGNED ID 0545  
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1. YEAR APPLICABLE 1974

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: 1975 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
☐ ESAL/VEH CLASS(# OF CLASSES) \_\_\_\_\_  
☐ 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: USED WIM DATA DATED DEC 1991 - FEB 1992  
(B) WEIGHT SCALE TYPE  
☒ WIM SCALE  
☐ STATIC SCALE USED FOR ENFORCEMENT  
☐ STATIC SCALE NOT USED FOR ENFORCEMENT  
☐ OTHER: \_\_\_\_\_

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1. YEAR APPLICABLE 1975

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: 1976 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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.  
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\_\_\_ USED SYSTEM AVERAGES TAKEN IN EARLIER YEARS AT THE GPS SITE.  
\_\_\_ USED COMPUTERIZED NETWORK ANALYSES.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
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6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
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\* STATE ASSIGNED ID 0545  
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1. YEAR APPLICABLE 1976

**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.  
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 \_\_\_ ESTIMATED BASED ON VOLUME COUNTS AT NEARBY LOCATIONS.  
 \_\_\_ USED FLOW MAPS.  
 \_\_\_ USED COMPUTERIZED NETWORK ANALYSES.  
X OTHER: 1977 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

**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.  
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 \_\_\_ 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.  
X OTHER: USED WIM DATA DATED OCT - DEC 1991

**4. METHOD FOR ESTIMATING AADT BY GPS LANE**

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED OCT - DEC 1991

**5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES**

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED OCT - DEC 1991

**6. METHOD FOR ESTIMATING ESAL/VEHICLE**

- X ESAL/TRUCK  
 \_\_\_ ESAL/VEH CLASS(# OF CLASSES)\_\_\_\_  
 \_\_\_ 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  
X OTHER: USED WIM DATA DATED DEC 1991 - FEB 1992  
**(B) WEIGHT SCALE TYPE**  
X WIM SCALE  
 \_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
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NAME OF PREPARER DAVID P KELLY

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LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1977

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.  
X OTHER: 1978 EST + AVG YEARLY  
DECREASE FROM 81-89 ESTIMATES

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.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY  
GPS LANE

BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK  
AADT IN GPS LANES

BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/  
VEHICLE

X ESAL/TRUCK  
ESAL/VEH CLASS(# OF CLASSES)  
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  
X OTHER: USED WIM DATA DATED  
DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

X WIM SCALE  
STATIC SCALE USED FOR  
ENFORCEMENT  
STATIC SCALE NOT USED FOR  
ENFORCEMENT  
OTHER:

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 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: 1979 EST + AVG YEARLY  
DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED  
OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY  
GPS LANE  
\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK  
AADT IN GPS LANES  
\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/  
VEHICLE  
☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)\_\_\_\_  
\_\_\_ 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: USED WIM DATA DATED  
DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR  
ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR  
ENFORCEMENT  
\_\_\_ OTHER: \_\_\_\_\_

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DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1979

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: 1980 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER:

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PHONE # 317-232-5134

DATE PREPARED 03/92

## SHEET 3

LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
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TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1980

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: 1981 EST + AVG YEARLY DECREASE FROM 81-89 ESTIMATES

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER: \_\_\_\_\_

NAME OF PREPARER DAVID P KELLY

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DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1981

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: FACTORED 1984 ESTIMATE

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992  
(B) WEIGHT SCALE TYPE  
☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER: \_\_\_

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DATE PREPARED 03/92

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**SHEET 3**  
**LTPP TRAFFIC DATA**  
**PROCEDURES FOR ESTIMATING**  
**ANNUAL AVERAGE VOLUMES AND**  
**TOTAL ANNUAL ESAL'S**

\* STATE ASSIGNED ID 0545  
 \* STATE CODE 18  
 \* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1982

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.  
 X OTHER: FACTORED 1984 ESTIMATE

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.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
 \_\_\_ SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
 \_\_\_ SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- X ESAL/TRUCK  
 \_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
 \_\_\_ 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  
 X OTHER: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- X WIM SCALE  
 \_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
 \_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
 \_\_\_ OTHER:

NAME OF PREPARER DAVID P KELLY

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DATE PREPARED 03/92

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**SHEET 3**  
**LTPP TRAFFIC DATA**  
**PROCEDURES FOR ESTIMATING**  
**ANNUAL AVERAGE VOLUMES AND**  
**TOTAL ANNUAL ESAL'S**

\* STATE ASSIGNED ID 0545  
 \* STATE CODE 18  
 \* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1983

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.  
 X OTHER: FACTORED 1984 ESTIMATE

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.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
 X OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- X ESAL/TRUCK  
 \_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
 \_\_\_ 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

X OTHER: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- X WIM SCALE  
 \_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
 \_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
 \_\_\_ OTHER:

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PHONE # 317-232-5134

DATE PREPARED 03/92



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TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1984

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 WIM DATA DATED  
OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY  
GPS LANE

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK  
AADT IN GPS LANES

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/  
VEHICLE

☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)\_\_\_\_  
\_\_\_ 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: USED WIM DATA DATED  
DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR  
ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR  
ENFORCEMENT  
\_\_\_ OTHER: \_\_\_\_\_

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\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1985

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: FACTORED 1987 ESTIMATE

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER:

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1986

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: FACTORED 1987 ESTIMATE

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA  
\_\_\_ SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992  
(B) WEIGHT SCALE TYPE  
☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER: \_\_\_

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 1987

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.  
X 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.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY  
GPS LANE

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK  
AADT IN GPS LANES

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
X OTHER: USED WIM DATA DATED  
OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/  
VEHICLE

X ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES)\_\_\_\_  
\_\_\_ 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  
X OTHER: USED WIM DATA DATED  
DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

X WIM SCALE  
\_\_\_ STATIC SCALE USED FOR  
ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR  
ENFORCEMENT  
\_\_\_ OTHER: \_\_\_\_\_

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

1. YEAR APPLICABLE 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 WIM DATA DATED  
OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY  
GPS LANE

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK  
AADT IN GPS LANES

\_\_\_ BASED ON ACTUAL LANE COUNT DATA  
SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED  
OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/  
VEHICLE

☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_\_\_  
\_\_\_ 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: USED WIM DATA DATED  
DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR  
ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR  
ENFORCEMENT  
\_\_\_ OTHER: \_\_\_\_\_

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

# INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3  
LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESAL'S

\* STATE ASSIGNED ID 0545  
\* STATE CODE 18  
\* SHRP SECTION ID 5518

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: GROWTH FACTORED 1987 ESTIMATE

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 WIM DATA DATED OCT - DEC 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- \_\_\_ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.  
☒ OTHER: USED WIM DATA DATED OCT - DEC 1991

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/TRUCK  
\_\_\_ ESAL/VEH CLASS(# OF CLASSES) \_\_\_  
\_\_\_ 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: USED WIM DATA DATED DEC 1991 - FEB 1992

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE  
\_\_\_ STATIC SCALE USED FOR ENFORCEMENT  
\_\_\_ STATIC SCALE NOT USED FOR ENFORCEMENT  
\_\_\_ OTHER: \_\_\_

NAME OF PREPARER DAVID P KELLY

PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 4	* STATE ASSIGNED ID	0545
LTPP TRAFFIC DATA	* STATE CODE	18
TRAFFIC VOLUME COUNTS	* SHRP SECTION ID	5518

HIGHWAY ROUTE NO. (THIS COUNT) I 65

MILEPOST # OR LOCATION (THIS COUNT) 0.10 MI N OF BRIDGE OVER SWISHER RD

BEGINNING DATE 10/28/87 ENDING DATE 10/30/87

BEGINNING TIME 11:00 ENDING TIME 11:00

COUNT DURATION 48 ( X ) HOURS (      ) DAYS (      ) MONTHS

TYPE OF COUNTER STREETER NAME/MODEL # MR 101

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>60862</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE)		
A. ADJUSTMENT TO 24 HOUR COUNT	<u>0.500</u>	
B. AXLE CORRECTION FACTOR	<u>0.822</u>	
C. DAY OF WEEK FACTOR	<u>    </u>	
D. MONTH FACTOR	<u>1.019</u>	
E. OTHER FACTOR ( <u>                                </u> )	<u>    </u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>25490</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.494</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.686</u>	
6. AADT GPS LANE	<u>8638</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>DAVID P KELLY</u>	PHONE # <u>317-232-5134</u>
DATE PREPARED <u>03/92</u>	

## INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 5	* STATE ASSIGNED ID	0545
LTPP TRAFFIC DATA	* STATE CODE	18
VEHICLE CLASSIFICATION DATA	* SHRP SECTION ID	5518
FHWA 13-CLASS SYSTEM		

HIGHWAY ROUTE NO. (THIS COUNT) I 65 MILEPOST # (THIS COUNT) 176  
 LOCATION (THIS COUNT) .77 MI N OF SR 25 FUNCTIONAL CLASS 01  
 BEGINNING DATE 10/01/91 ENDING DATE 10/31/91  
 BEGINNING TIME 00:00 ENDING TIME 23:59 DURATION (HRS) 744  
 TYPE OF COUNT: MANUAL      AUTOMATED X NO. OF LANES COUNTED 4  
 TYPE OF EQUIP.: AVC PERM.      AVC PORT.      WIM PERM. X WIM PORT.       
 EQUIPMENT NAME/MODEL #      IRD      BENDING PLATE       
 TOTAL NO. OF VEHICLES CLASSIFIED 1133083 # TRUCKS 303495 % TRUCKS 26.7  
 NO. OF TRUCKS IN GPS LANE 132839 % OF TRUCKS IN GPS LANE 33.9  
 VEHICLE CLASSIFICATION METHOD: FHWA X 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)	<u>829588</u>	<u>407237</u>	<u>257896</u>
2.FHWA CLASS 4 (BUSES)	<u>4821</u>	<u>2430</u>	<u>2027</u>
3.FHWA CLASS 5 (TWO AXLE,6-TIRE,SU TRUCK)	<u>13925</u>	<u>13343</u>	<u>12786</u>
4.FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>9935</u>	<u>4893</u>	<u>3910</u>
5.FHWA CLASS 7 (4 OR MORE AXLE SU TRUCK)	<u>719</u>	<u>134</u>	<u>121</u>
6.FHWA CLASS 8 (4 OR LESS AXLE, 1 TRLR.TRUCK)	<u>25110</u>	<u>10955</u>	<u>9351</u>
7.FHWA CLASS 9 (5 AXLE, 1 TRLR.TRUCK)	<u>222746</u>	<u>110707</u>	<u>94703</u>
8.FHWA CLASS 10 (6 OR MORE AXLE, 1 TRLR.TRUCK)	<u>6405</u>	<u>2082</u>	<u>1787</u>
9.FHWA CLASS 11 (5 OR LESS AXLE, MULTI TRLR.TRUCK)	<u>18006</u>	<u>8994</u>	<u>8119</u>
10.FHWA CLASS 12 (6 AXLE, MULTI TRLR.TRUCK)	<u>1644</u>	<u>20</u>	<u>13</u>
11.FHWA CLASS 13 (7 OR MORE AXLE, MULTI-TRLR.TRUCK)	<u>184</u>	<u>33</u>	<u>22</u>
12.OTHER VEHICLES	<u>0</u>	<u>0</u>	<u>0</u>
GRAND TOTAL	<u>1133083</u>	<u>560828</u>	<u>390735</u>

NAME OF PREPARER DAVID P KELLY PHONE # 317-232-5134  
 DATE PREPARED 03/92



Considered Sht. 13.

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 8	* STATE ASSIGNED ID	0545
LTPP TRAFFIC DATA	* STATE CODE	18
TRUCK WEIGHT	* SHRP SECTION ID	5518
SESSION INFORMATION		

HIGHWAY RT NO. (THIS SESSION) I 65 MILEPOST # (THIS SESSION) 176

LOCATION (THIS SESSION) .77 MILES NORTH OF SR 25

FUNCTIONAL CLASS 01

DIRECTION OF TRAVEL NORTH

1. FHWA STATION IDENTIFICATION NUMBER \_\_\_\_\_
2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE \_\_\_\_\_ PERM. WIM X  
PORT. SCALE \_\_\_\_\_ PORT. WIM \_\_\_\_\_
3. COUNT DURATION (HOURS) 744 COUNT LANE 1
4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) 10-01-91-00:00
5. ENDING TIME (MONTH, DAY, YEAR, TIME) 10-31-91-23:59
6. EQUIPMENT MANUFACTURER/MODEL # IRD BENDING PLATE \_\_\_\_\_
7. PURPOSE OF WEIGHT SESSION:  
DATA COLLECTION X ENFORCEMENT \_\_\_\_\_
8. VEHICLE CLASSIFICATION SCHEME: FHWA X OTHER \_\_\_\_\_ # BINS \_\_\_\_\_
9. PAVEMENT TYPE: AC \_\_\_\_\_ PCC X OTHER \_\_\_\_\_
10. METHOD OF CALIBRATION AND FREQUENCY USED THE WEIGHT OF A KNOWN TRUCK

NOTE: IF THIS WEIGHT SESSION IS NOT BASED UPON THE FHWA 13-BIN CLASSIFICATION SYSTEM, USE SHEET 7 TO DESCRIBE HOW THE SHA WOULD EXPAND OR COLLAPSE THE AGENCY CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES. ALSO PROVIDE A DESCRIPTION OF THE CLASSIFICATION SCHEME THAT WAS USED.

NAME OF PREPARER	<u>DAVID P KELLY</u>	PHONE #	<u>317-232-5134</u>
DATE PREPARED	<u>03/92</u>		