

INDIANA DEPARTMENT OF TRANSPORTATION

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BT

SHEET 1
LTPP TRAFFIC DATA
SUMMARY TRANSMITTAL FORM

* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 3002

STATE OR PROVINCE INDIANA COUNTY BENTON
HIGHWAY ROUTE NO. US 41 MILEPOST # 200
NEAREST CITY/TOWN 3.65 MILES SW OF FOWLER NEAREST INTERSECTION 1.65
MILES SOUTH OF SR 18
FUNC. CLASS 06 NO. LANES EACH DIRECTION 02 TOTAL LANES 04
DIRECTION OF TRAVEL GPS LANE SOUTH DATE OPENED TO TRAFFIC / / 76
FIPS COUNTY CODE 007 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 040010350000 HPMS SUBDIVISION NO. 0
TYPE OF PAVEMENT: AC _____ PCC X OTHER _____
CONTROL OF ACCESS: YES _____ NO X 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 REBECCA L ARCHIBALD 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 0524
* STATE CODE 18
* SHRP SECTION ID 3002

	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)
		0.325	0.579	0.353	0.164
1989	5881	1911	3405 2352	1202 764	197 446
1988	5651	1837	3272 2260	1155 735	189 429
1987	5482	1782	3174 2193	1120 713	184 416
1986	5783	1879	3348 2313	1182 752	194 439
1985	5188	1686	3004 2075	1060 674	174 394
1984	5089	1654	2947 2036	1040 662	171 386
1983	4901	1593	2838 1960	1002 637	164 372
1982	4708	1530	2726 1883	962 612	158 357
1981	4745	1542	2747 1898	970 617	159 360
1980	4172	1356	2416 1669	853 542	140 317
1979	4309	1400	2495 1724	881 560	144 327
1978	4429	1439	2564 1772	905 576	148 336
1977	4309	1400	2495 1724	881 560	144 327
1976	4079	1326	2362 1632	834 530	137 310
1975	0	0	0	0	0
1974	0	0	0	0	0
1973	0	0	0	0	0
1972	0	0	0	0	0
1971	0	0	0	0	0
1970	0	0	0	0	0
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

TRF-109

NAME OF PREPARER REBECCA L ARCHIBALD 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 0524
* STATE CODE 18
* SHRP SECTION ID 3002

	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)
		0.325	0.579	0.353	0.164
1989	5881	1911	3405	1202	197
1988	5651	1837	3272	1155	189
1987	5482	1782	3174	1120	184
1986	5783	1879	3348	1182	194
1985	5188	1686	3004	1060	174
1984	5089	1654	2947	1040	171
1983	4901	1593	2838	1002	164
1982	4708	1530	2726	962	158
1981	4745	1542	2747	970	159
1980	4172	1356	2416	853	140
1979	4309	1400	2495	881	144
1978	4429	1439	2564	905	148
1977	4309	1400	2495	881	144
1976	4079	1326	2362	834	137
1975	0	0	0	0	0
1974	0	0	0	0	0
1973	0	0	0	0	0
1972	0	0	0	0	0
1971	0	0	0	0	0
1970	0	0	0	0	0
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 REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

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

* STATE ASSIGNED ID 0524
 * STATE CODE 18
 * SHRP SECTION ID 3002

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.
 GROWTH FACTORED LAST YEAR'S
 ESTIMATE.
 ESTIMATED BASED ON VOLUME
 COUNTS AT NEARBY LOCATIONS.
 USED FLOW MAPS.
 USED COMPUTERIZED NETWORK
 ANALYSES.

X OTHER: AVG OF DIFF BETWEEN
1977 & 1988 SUBTRACTED FROM 1977

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 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 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 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: WIM DATA DATED
OCT 1991

(B) WEIGHT SCALE TYPE
 X WIM SCALE
 STATIC SCALE USED FOR
 ENFORCEMENT
 STATIC SCALE NOT USED FOR
 ENFORCEMENT
 OTHER:

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3 ITPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESAL'S	* STATE ASSIGNED ID <u>0524</u> * STATE CODE <u>18</u> * SHRP SECTION ID <u>3002</u>
--	--

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.
☒ OTHER: FACTORED 1978 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 1991

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.
☒ OTHER: USED WIM DATA DATED OCT 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 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: WIM DATA DATED OCT 1991
(B) WEIGHT SCALE TYPE
☒ WIM SCALE
☐ STATIC SCALE USED FOR ENFORCEMENT
☐ STATIC SCALE NOT USED FOR ENFORCEMENT
☐ OTHER: _____

NAME OF PREPARER REBECCA L ARCHIBALD

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 0524
* STATE CODE 18
* SHRP SECTION ID 3002

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: _____

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 1991

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

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE
____ STATIC SCALE USED FOR
ENFORCEMENT
____ STATIC SCALE NOT USED FOR
ENFORCEMENT
____ OTHER: _____

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

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ANNUAL AVERAGE VOLUMES AND
TOTAL ANNUAL ESAL'S

* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 3002

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.
X OTHER: GROWTH FACTORED 1978
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 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 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 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: WIM DATA DATED
OCT 1991

(B) WEIGHT SCALE TYPE

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

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

<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>0524</u></p> <p>* STATE CODE <u>18</u></p> <p>* SHRP SECTION ID <u>3002</u></p>
---	--

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.

X OTHER: GROWTH FACTORED 1978
 ESTIMATE

4. METHOD FOR ESTIMATING AADT BY
GPS LANE

___ BASED ON ACTUAL LANE COUNT DATA
SYSTEM DISTRIBUTION FACTORS.

X OTHER: USED WIM DATA DATED
 OCT 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 1991

6. METHOD FOR ESTIMATING ESAL/
VEHICLE

X ESAL/TRUCK

___ ESAL/VEH CLASS(# OF CLASSES) _____

___ 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 1991

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: WIM DATA DATED
 OCT 1991

(B) WEIGHT SCALE TYPE

X WIM SCALE

___ STATIC SCALE USED FOR
ENFORCEMENT

___ STATIC SCALE NOT USED FOR
ENFORCEMENT

___ OTHER: _____

NAME OF PREPARER	<u>REBECCA L ARCHIBALD</u>	PHONE #	<u>317-232-5134</u>
DATE PREPARED	<u>03/92</u>		

Reenter

INDIANA DEPARTMENT OF TRANSPORTATION

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

* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 3002

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 1982 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 1991

4. METHOD FOR ESTIMATING AADT BY
GPS LANE

___ BASED ON ACTUAL LANE COUNT DATA
SYSTEM DISTRIBUTION FACTORS.

☒ OTHER: USED WIM DATA DATED
OCT 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 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: WIM DATA DATED
OCT 1991

(B) WEIGHT SCALE TYPE

☒ WIM SCALE
___ STATIC SCALE USED FOR
ENFORCEMENT
___ STATIC SCALE NOT USED FOR
ENFORCEMENT
___ OTHER: ___

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

look at again

SHEET 3

LTPP TRAFFIC DATA
PROCEDURES FOR ESTIMATING
ANNUAL AVERAGE VOLUMES AND
TOTAL ANNUAL ESAL'S* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 30021. 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.
☐ 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 1991

4. METHOD FOR ESTIMATING AADT BY
GPS LANE
☐ BASED ON ACTUAL LANE COUNT DATA
SYSTEM DISTRIBUTION FACTORS.
☒ OTHER: USED WIM DATA DATED
OCT 19915. METHOD FOR ESTIMATING TRUCK
AADT IN GPS LANES
☐ BASED ON ACTUAL LANE COUNT DATA
SYSTEM DISTRIBUTION FACTORS.
☒ OTHER: USED WIM DATA DATED
OCT 19916. 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: WIM DATA DATED
OCT 1991

(B) WEIGHT SCALE TYPE

- ☒ WIM SCALE
☐ STATIC SCALE USED FOR
ENFORCEMENT
☐ STATIC SCALE NOT USED FOR
ENFORCEMENT
☐ OTHER: _____

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134DATE 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 <u>0524</u>
		* STATE CODE <u>18</u>
		* SHRP SECTION ID <u>3002</u>
1. YEAR APPLICABLE <u>1983</u>	4. METHOD FOR ESTIMATING AADT BY GPS LANE _____ BASED ON ACTUAL LANE COUNT DATA _____ SYSTEM DISTRIBUTION FACTORS. <input checked="" type="checkbox"/> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	
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. <input checked="" type="checkbox"/> OTHER: <u>GROWTH FACTORED 1982</u> <u>ESTIMATE</u>	5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES _____ BASED ON ACTUAL LANE COUNT DATA _____ SYSTEM DISTRIBUTION FACTORS. <input checked="" type="checkbox"/> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	
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. <input checked="" type="checkbox"/> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	6. METHOD FOR ESTIMATING ESAL/ VEHICLE <input checked="" type="checkbox"/> 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 <input checked="" type="checkbox"/> OTHER: <u>WIM DATA DATED</u> <u>OCT 1991</u> (B) WEIGHT SCALE TYPE <input checked="" type="checkbox"/> WIM SCALE _____ STATIC SCALE USED FOR _____ ENFORCEMENT _____ STATIC SCALE NOT USED FOR _____ ENFORCEMENT _____ OTHER: _____	
NAME OF PREPARER <u>REBECCA L ARCHIBALD</u>		PHONE # <u>317-232-5134</u>
DATE PREPARED <u>03/92</u>		

INDIANA DEPARTMENT OF TRANSPORTATION

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

* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 3002

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.
X OTHER: GROWTH FACTORED 1982
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 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 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 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: WIM DATA DATED
OCT 1991

(B) WEIGHT SCALE TYPE

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

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

<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>0524</u></p> <p>* STATE CODE <u>18</u></p> <p>* SHRP SECTION ID <u>3002</u></p>
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<p>1. YEAR APPLICABLE <u>1985</u></p> <p>2. METHOD FOR ESTIMATING AADT</p> <p>___ FACTORED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ AVERAGED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ AVERAGED AND FACTORED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ GROWTH FACTORED LAST YEAR'S ESTIMATE.</p> <p>___ ESTIMATED BASED ON VOLUME COUNTS AT NEARBY LOCATIONS. USED FLOW MAPS.</p> <p>___ USED COMPUTERIZED NETWORK ANALYSES.</p> <p><u>X</u> OTHER: <u>GROWTH FACTORED 1982</u> <u>ESTIMATE</u></p> <p>3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES</p> <p>___ USED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ FACTORED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ AVERAGED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>___ USED SYSTEM AVERAGES FROM COUNTS TAKEN THIS YEAR.</p> <p>___ USED COUNT DATA FROM NEARBY SITES.</p> <p>___ USED COUNT DATA TAKEN IN EARLIER YEARS AT THE GPS SITE.</p> <p>___ USED SYSTEM AVERAGES TAKEN IN EARLIER YEARS AT THE GPS SITE.</p> <p>___ USED COMPUTERIZED NETWORK ANALYSES.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u></p>	<p>4. METHOD FOR ESTIMATING AADT BY GPS LANE</p> <p>___ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u></p> <p>5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES</p> <p>___ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u></p> <p>6. METHOD FOR ESTIMATING ESAL/ VEHICLE</p> <p><u>X</u> ESAL/TRUCK</p> <p>___ ESAL/VEH CLASS(# OF CLASSES) _____</p> <p>___ OTHER: _____</p> <p>7. ESAL ESTIMATES</p> <p>(A) SOURCE OF DATA</p> <p>___ WEIGHT DATA COLLECTED AT GPS SITE THIS YEAR</p> <p>___ WEIGHT DATA COLLECTED AT GPS SITE PRIOR YEARS</p> <p>___ WEIGHT DATA FROM SYSTEM AVERAGES THIS YEAR</p> <p>___ WEIGHT DATA FROM SYSTEM AVERAGES PRIOR YEARS</p> <p>___ WEIGHT DATA FROM HISTORIC W-4 TABLES USED</p> <p><u>X</u> OTHER: <u>WIM DATA DATED</u> <u>OCT 1991</u></p> <p>(B) WEIGHT SCALE TYPE</p> <p><u>X</u> WIM SCALE</p> <p>___ STATIC SCALE USED FOR ENFORCEMENT</p> <p>___ STATIC SCALE NOT USED FOR ENFORCEMENT</p> <p>___ OTHER: _____</p>
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NAME OF PREPARER <u>REBECCA L ARCHIBALD</u>	PHONE # <u>317-232-5134</u>
DATE PREPARED <u>03/92</u>	

SHEET 3

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

* STATE ASSIGNED ID 0524
* STATE CODE 18
* SHRP SECTION ID 3002

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: _____

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 1991

4. METHOD FOR ESTIMATING AADT BY
GPS LANE

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

(B) WEIGHT SCALE TYPE

☒ WIM SCALE
____ STATIC SCALE USED FOR
ENFORCEMENT
____ STATIC SCALE NOT USED FOR
ENFORCEMENT
____ OTHER: _____

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

<p align="center">SHEET 3</p> <p align="center">LTPP TRAFFIC DATA</p> <p>PROCEDURES FOR ESTIMATING</p> <p>ANNUAL AVERAGE VOLUMES AND</p> <p>TOTAL ANNUAL ESAL'S</p>	<p>* STATE ASSIGNED ID <u>0524</u></p> <p>* STATE CODE <u>18</u></p> <p>* SHRP SECTION ID <u>3002</u></p>
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<p>1. YEAR APPLICABLE <u>1987</u></p> <p>2. METHOD FOR ESTIMATING AADT</p> <p>____ FACTORED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ AVERAGED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ AVERAGED AND FACTORED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ GROWTH FACTORED LAST YEAR'S ESTIMATE.</p> <p>____ ESTIMATED BASED ON VOLUME COUNTS AT NEARBY LOCATIONS.</p> <p>____ USED FLOW MAPS.</p> <p>____ USED COMPUTERIZED NETWORK ANALYSES.</p> <p><u>X</u> OTHER: <u>GROWTH FACTORED 1986 ESTIMATE</u></p> <p>3. METHOD FOR ESTIMATING TRUCK VOLUMES OR PERCENTAGES</p> <p>____ USED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ FACTORED A SINGLE COUNT TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ AVERAGED MULTIPLE COUNTS TAKEN THIS YEAR AT THE GPS SITE.</p> <p>____ USED SYSTEM AVERAGES FROM COUNTS TAKEN THIS YEAR.</p> <p>____ USED COUNT DATA FROM NEARBY SITES.</p> <p>____ USED COUNT DATA TAKEN IN EARLIER YEARS AT THE GPS SITE.</p> <p>____ USED SYSTEM AVERAGES TAKEN IN EARLIER YEARS AT THE GPS SITE.</p> <p>____ USED COMPUTERIZED NETWORK ANALYSES.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED OCT 1991</u></p>	<p>4. METHOD FOR ESTIMATING AADT BY GPS LANE</p> <p>____ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED OCT 1991</u></p> <p>5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES</p> <p>____ BASED ON ACTUAL LANE COUNT DATA SYSTEM DISTRIBUTION FACTORS.</p> <p><u>X</u> OTHER: <u>USED WIM DATA DATED OCT 1991</u></p> <p>6. METHOD FOR ESTIMATING ESAL/VEHICLE</p> <p><u>X</u> ESAL/TRUCK</p> <p>____ ESAL/VEH CLASS(# OF CLASSES) _____</p> <p>____ OTHER: _____</p> <p>7. ESAL ESTIMATES</p> <p>(A) SOURCE OF DATA</p> <p>____ WEIGHT DATA COLLECTED AT GPS SITE THIS YEAR</p> <p>____ WEIGHT DATA COLLECTED AT GPS SITE PRIOR YEARS</p> <p>____ WEIGHT DATA FROM SYSTEM AVERAGES THIS YEAR</p> <p>____ WEIGHT DATA FROM SYSTEM AVERAGES PRIOR YEARS</p> <p>____ WEIGHT DATA FROM HISTORIC W-4 TABLES USED</p> <p><u>X</u> OTHER: <u>WIM DATA DATED OCT 1991</u></p> <p>(B) WEIGHT SCALE TYPE</p> <p><u>X</u> WIM SCALE</p> <p>____ STATIC SCALE USED FOR ENFORCEMENT</p> <p>____ STATIC SCALE NOT USED FOR ENFORCEMENT</p> <p>____ OTHER: _____</p>
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NAME OF PREPARER <u>REBECCA L ARCHIBALD</u>	PHONE # <u>317-232-5134</u>
DATE PREPARED <u>03/92</u>	

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3 LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESAL'S	* STATE ASSIGNED ID 0524 * STATE CODE 18 * SHRP SECTION ID 3002
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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.
 - X OTHER: GROWTH FACTORED 1986 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 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 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 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: WIM DATA DATED OCT 1991
 - (B) WEIGHT SCALE TYPE
 - X WIM SCALE
 - ___ STATIC SCALE USED FOR ENFORCEMENT
 - ___ STATIC SCALE NOT USED FOR ENFORCEMENT
 - ___ OTHER: ___

NAME OF PREPARER <u>REBECCA L ARCHIBALD</u>	PHONE # <u>317-232-5134</u>
DATE PREPARED <u>03/92</u>	

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 3 LTPP TRAFFIC DATA PROCEDURES FOR ESTIMATING ANNUAL AVERAGE VOLUMES AND TOTAL ANNUAL ESAL'S		* STATE ASSIGNED ID <u>0524</u>
		* STATE CODE <u>18</u>
		* SHRP SECTION ID <u>3002</u>
1. YEAR APPLICABLE <u>1989</u>	4. METHOD FOR ESTIMATING AADT BY GPS LANE ____ BASED ON ACTUAL LANE COUNT DATA ____ SYSTEM DISTRIBUTION FACTORS. <u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	
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. <u>X</u> OTHER: <u>AVG OF DIFF BETWEEN 1977</u> <u>& 1988 ADDED TO 1988 ESTIMATE</u> <u>(88 EST - 77 EST)/2 + 88 EST</u>	5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES ____ BASED ON ACTUAL LANE COUNT DATA ____ SYSTEM DISTRIBUTION FACTORS. <u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	
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. <u>X</u> OTHER: <u>USED WIM DATA DATED</u> <u>OCT 1991</u>	6. METHOD FOR ESTIMATING ESAL/ VEHICLE <u>X</u> 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 <u>X</u> OTHER: <u>WIM DATA DATED</u> <u>OCT 1991</u> (B) WEIGHT SCALE TYPE <u>X</u> WIM SCALE ____ STATIC SCALE USED FOR ENFORCEMENT ____ STATIC SCALE NOT USED FOR ENFORCEMENT ____ OTHER: _____	

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134
DATE PREPARED 03/92

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 4	* STATE ASSIGNED ID	0524
LTPP TRAFFIC DATA	* STATE CODE	18
TRAFFIC VOLUME COUNTS	* SHRP SECTION ID	3002

HIGHWAY ROUTE NO. (THIS COUNT) US 41

MILEPOST # OR LOCATION (THIS COUNT) 3.50 MILES SOUTH OF SR 18

BEGINNING DATE 10/02/78 ENDING DATE 10/04/78

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>9104</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE)		
A. ADJUSTMENT TO 24 HOUR COUNT	<u>0.500</u>	
B. AXLE CORRECTION FACTOR	<u> </u>	
C. DAY OF WEEK FACTOR	<u> </u>	
D. MONTH FACTOR	<u>0.973</u>	
E. OTHER FACTOR (<u> </u>)	<u> </u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4429</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>0.676</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.857</u>	
6. AADT GPS LANE	<u>2565</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER	<u>REBECCA L ARCHIBALD</u>	PHONE #	<u>317-232-5134</u>
DATE PREPARED	<u>03/92</u>		

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 4	* STATE ASSIGNED ID	0524
LTPP TRAFFIC DATA	* STATE CODE	18
TRAFFIC VOLUME COUNTS	* SHRP SECTION ID	3002

HIGHWAY ROUTE NO. (THIS COUNT) US 41

MILEPOST # OR LOCATION (THIS COUNT) 0.10 MILES SOUTH OF SR 18

BEGINNING DATE 03/31/82 ENDING DATE 04/02/82

BEGINNING TIME 09:00 ENDING TIME 09:00

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>8492</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE)		
A. ADJUSTMENT TO 24 HOUR COUNT		<u>0.500</u>
B. AXLE CORRECTION FACTOR		<u> </u>
C. DAY OF WEEK FACTOR		<u> </u>
D. MONTH FACTOR		<u>1.109</u>
E. OTHER FACTOR ()		<u> </u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>4708</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.676</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.857</u>
6. AADT GPS LANE		<u>2727</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER	REBECCA L ARCHIBALD	PHONE #	317-232-5134
DATE PREPARED	03/92		

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 4	* STATE ASSIGNED ID	0524
ITPP TRAFFIC DATA	* STATE CODE	18
TRAFFIC VOLUME COUNTS	* SHRP SECTION ID	3002

HIGHWAY ROUTE NO. (THIS COUNT) US 41

MILEPOST # OR LOCATION (THIS COUNT) 0.10 MILES SOUTH OF SR 18

BEGINNING DATE 04/30/86 ENDING DATE 05/02/86

BEGINNING TIME 08:00 ENDING TIME 08:00

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>11532</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE)		
A. ADJUSTMENT TO 24 HOUR COUNT		<u>0.500</u>
B. AXLE CORRECTION FACTOR		<u> </u>
C. DAY OF WEEK FACTOR		<u> </u>
D. MONTH FACTOR		<u>1.003</u>
E. OTHER FACTOR (<u> </u>)		<u> </u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>5783</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.676</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.857</u>
6. AADT GPS LANE		<u>3350</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER	<u>REEBECCA L ARCHIBALD</u>	PHONE #	<u>317-232-5134</u>
DATE PREPARED	<u>03/92</u>		

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 5	* STATE ASSIGNED ID	0524
LTPP TRAFFIC DATA	* STATE CODE	18
VEHICLE CLASSIFICATION DATA	* SHRP SECTION ID	3002
FHWA 13-CLASS SYSTEM		

HIGHWAY ROUTE NO. (THIS COUNT) US 41 MILEPOST # (THIS COUNT) 200
 LOCATION (THIS COUNT) 1.27 MILES SOUTH OF SR 18 FUNCTIONAL CLASS 06
 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 04
 TYPE OF EQUIP.: AVC PERM. AVC PORT. WIM PERM. X WIM PORT.
 EQUIPMENT NAME/MODEL # IRD BENDING PLATE
 TOTAL NO. OF VEHICLES CLASSIFIED 108302 # TRUCKS 35269 % TRUCKS 32.5
 NO. OF TRUCKS IN GPS LANE 22197 % OF TRUCKS IN GPS LANE 35.3
 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)	73033	49380	40615
2. FHWA CLASS 4 (BUSES)	708	479	458
3. FHWA CLASS 5 (TWO AXLE, 6-TIRE, SU TRUCK)	3364	2275	2261
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	730	494	449
5. FHWA CLASS 7 (4 OR MORE AXLE SU TRUCK)	256	173	169
6. FHWA CLASS 8 (4 OR LESS AXLE, 1 TRLR. TRUCK)	5454	3687	3483
7. FHWA CLASS 9 (5 AXLE, 1 TRLR. TRUCK)	22187	15002	13721
8. FHWA CLASS 10 (6 OR MORE AXLE, 1 TRLR. TRUCK)	360	243	237
9. FHWA CLASS 11 (5 OR LESS AXLE, MULTI TRLR. TRUCK)	2172	1469	1395
10. FHWA CLASS 12 (6 AXLE, MULTI TRLR. TRUCK)	18	12	12
11. FHWA CLASS 13 (7 OR MORE AXLE, MULTI-TRLR. TRUCK)	20	13	12
12. OTHER VEHICLES	0	0	0
GRAND TOTAL	108302	73227	62812

NAME OF PREPARER REBECCA L ARCHIBALD PHONE # 317-232-5134

DATE PREPARED 03/92

Represents
Sheet #13

INDIANA DEPARTMENT OF TRANSPORTATION

SHEET 8	* STATE ASSIGNED ID	0524
LTPP TRAFFIC DATA	* STATE CODE	18
TRUCK WEIGHT	* SHRP SECTION ID	3002
SESSION INFORMATION		

HIGHWAY RT NO. (THIS SESSION) US 41 MILEPOST # (THIS SESSION) 200

LOCATION (THIS SESSION) 1.27 MILES SOUTH OF SR 18

FUNCTIONAL CLASS 06 DIRECTION OF TRAVEL SOUTH

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>REBECCA L ARCHIBALD</u>	PHONE #	<u>317-232-5134</u>
DATE PREPARED	<u>03/92</u>		