

The TRAFFIC DATA for this site is same as 19-5042.

SHEET 1	*STATE ASSIGNED ID [ ]
LTPP TRAFFIC DATA	*STATE CODE [19]
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID [5046]

STATE OR PROVINCE Iowa COUNTY FRANKLIN

HIGHWAY ROUTE NO. IH-35 MILEPOST# 155

NEAREST CITY/TOWN 40 miles north of Ames NEAREST INTERSECTION 10 miles south of IA 3

FUNCTIONAL CLASS \_\_\_\_\_ NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. - - - 75

FIPS COUNTY CODE 069 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_

TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC X OTHER \_\_\_\_\_

CONTROL OF ACCESS: YES X NO \_\_\_\_\_ MEDIAN: YES X NO \_\_\_\_\_

CURRENT SURROUNDING DEVELOPMENT:  
URBAN \_\_\_\_\_ SUBURBAN \_\_\_\_\_ RURAL X

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?

YES \_\_\_\_\_ NO X

IF YES, DESCRIBE CHANGES \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE  
SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF  
EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT  
STATION RELATIVE TO THIS GPS TEST SECTION.

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

The TRAFFIC DATA FOR THIS SITE IS SAME AS 19-5042.

SHEET 1	*STATE ASSIGNED ID [0056]
LTPP TRAFFIC DATA	*STATE CODE [191]
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID [15046]

See status 19-5042  
6-8-92

STATE OR PROVINCE IOWA COUNTY FRANKLIN

HIGHWAY ROUTE NO. IH-35 MILEPOST# 155

NEAREST CITY/TOWN 40 miles north of Ames NEAREST INTERSECTION 10 miles south of IA3

FUNCTIONAL CLASS \_\_\_\_\_ NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. 11-19-75

FIPS COUNTY CODE 069 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_

HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_

TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC X OTHER \_\_\_\_\_

CONTROL OF ACCESS: YES X NO \_\_\_\_\_ MEDIAN: YES X NO \_\_\_\_\_

CURRENT SURROUNDING DEVELOPMENT:  
URBAN \_\_\_\_\_ SUBURBAN \_\_\_\_\_ RURAL X

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
YES \_\_\_\_\_ NO X  
IF YES, DESCRIBE CHANGES \_\_\_\_\_

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE  
SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF  
EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT  
STATION RELATIVE TO THIS GPS TEST SECTION.

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

## SHEET 2

## LTPP TRAFFIC DATA

TRAFFIC VOLUMES  
AND LOAD ESTIMATES

\*STATE ASSIGNED ID [0029]

\*STATE CODE [19]

\*SHRP SECTION ID [5042]

5046

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S/YR GPS LANE (1000's)
1989					
1988	9414	2466	4056	1130	609
1987	7606	2061	3339	1022	422 *
1986	7744	2190	3386	1037	428
1985	8037	2152	3569	1024	373 *
1984	7692	2060	3416	980	357
1983	6401	1978	2734	747	341 *
1982	6251	1932	2670	729	333
1981	6037	1641	2612	678	296 *
1980	6180	1680	2674	694	303
1979	6511	1809	2866	808	313 *
1978	6740	1873	2967	836	324
1977	4723	1434	1973	730	283 *
1976	4640	1409	1938	624 N.A.	278
1975					N.A.
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

Blue estimated  
from 1978  
6-8-92

Estimated  
based on 1978  
Trends.  
(Only This Figure)  
6-8-92

all other cell  
figures estimated  
on 6-8-92

\* ESTIMATED BASED UPON PREVIOUS YEARS DATA \*

NAME OF PREPARER EARL SCHEUERMANN PHONE # 515-239-1153

DATE PREPARED 11-12-91

<p align="center">SHEET 2</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	*STATE ASSIGNED ID [0029]
	*STATE CODE [19]
	*SHRP SECTION ID [E042]

5046

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESAL'S/YR GPS LANE (1000's)
1989					
1988	9414	2466	4056	1130	609
1987					422 *
1986	7714	2190	3386	1037	428
1985					373 *
1984	7692	2060	3416	980	357
1983					341 *
1982	6251	1932	2670	729	333
1981					296 *
1980	6180	1680	2674	694	303
1979					313 *
1978	6740	1873	2967	836	324
1977					283 *
1976	4640	1409	1938	N.A.	278
1975					N.A.
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

\* ESTIMATED BASED UPON PREVIOUS YEARS DATA

NAME OF PREPARER	EARL SCHEUERMANN	PHONE #	515-239-1153
DATE PREPARED	11-12-91		

2

SHEET <u>10</u> LTPP TRAFFIC DATA  TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	*STATE ASSIGNED ID [ <u>0029</u> ]
	*STATE CODE [ <u>19</u> ]
	*SHRP SECTION ID [ <u>5042</u> ]

5046

1. ANNUAL TRAFFIC ESTIMATES

YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT GPS LANE	ESTIMATED TOTAL TRUCKS AADT GPS LANE	ESTIMATED ESAL'S/YR GPS LANE (1000's)
<u>1989</u>	<u>10000</u>	<u>2615</u>	<u>4308</u>	<u>1198</u>	<u>646</u>

2. METHOD FOR ESTIMATING TOTAL VEHICLE  
AADT (TWO-WAY)

- ☒ Growth factored last year's estimate.  
☐ Estimated based on volume counts at nearby locations.  
☐ Used computerized network analysis.  
☐ Other \_\_\_\_\_

5. METHOD FOR ESTIMATING TOTAL  
TRUCKS, GPS LANE, AADT

- ☒ System distribution factors.  
☐ Other \_\_\_\_\_

3. METHOD FOR ESTIMATING TOTAL TRUCK  
AADT (TWO-WAY)

- ☐ Used system average from counts taken this year.  
☐ Used count data from nearby sites.  
☐ Used count data from previous years at GPS site.  
☐ Used system averages from previous year counts.  
☐ Used computerized network analysis.  
☒ Other Growth Factored  
Last years estimate

6. METHOD FOR ESTIMATING ESAL/YEAR  
IN GPS LANE

- ☐ ESAL/Truck factor.  
☐ ESAL/vehicle class factors -

Number of classes

- ☒ Other Growth Factored  
Last years estimate

4. METHOD FOR ESTIMATING TOTAL VEHICLES  
GPS LANE AADT

- ☒ System distribution factors.  
☐ Other \_\_\_\_\_

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Prior years data collected at GPS site.  
☐ Current year system average.  
☐ Prior year system average.  
☐ Historical W-4 tables.

- ☒ Other Growth Factored  
Last years estimate

8. WEIGHT SCALE TYPE

- ☐ WIM Scale.  
☒ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other \_\_\_\_\_

NAME OF PREPARER <u>EARL SCHEYERMAN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>1-9-92</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [0029] *STATE CODE [19] *SHRP SECTION ID <del>15042</del>
---	--

5046

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE	5. ESTIMATED ESALS/YR GPS LANE (1000's)
1989					
1988	9414	2466	4056	1130	609
1987	7606	2061	3339	1022	422 *
1986	7744	2190	3386	1037	428
1985	8037	2152	3569	1024	373 *
1984	7692	2060	3416	980	357
1983	6401	1978	2734	747	341 *
1982	6251	1932	2670	729	333
1981	6037	1641	2612	678	296 *
1980	6180	1680	2674	694	303
1979	6511	1809	2866	808	313 *
1978	6740	1873	2967	836	324
1977	4723	1434	1973	730	283 *
1976	4640	1409	1938	<del>629 N.A.</del>	278
1975	4490	1363	1875	608	N.A.
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

*Blue estimated from 1978 6-8-92*  
*Estimated based on 1978 roads. (only this figure) 6-8-92*

*all other used figures estimated 6-8-92*

\* ESTIMATED BASED UPON PREVIOUS YEARS DATA

NAME OF PREPARER	EARL SCHEUERMANN	PHONE #	515-239-1153
DATE PREPARED	11-12-91		

*Archie Short*

## SHEET 3

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

\*STATE ASSIGNED ID [0029]

\*STATE CODE [19]

\*SHRP SECTION ID [5042]

5046

1. Year Applicable 1988, 1986, 1984  
1982, 1980, 1978, 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.  
☒ Other: SMOOTHED VOLUMES  
USING RAMP COUNTS FROM  
PERMEMENT ATR COUNTS

## 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 form 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: SAME AS FOR  
AADT

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

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

- ☐ Based on actual lane count data.  
☒ System distribution factors.  
☐ Other: \_\_\_\_\_

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 11  
☐ 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: WEIGH DATA FROM  
SYSTEM 3 YEAR AVERAGES

## (B) Weight Scale Type

- ☐ WIM scale.  
☒ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

NAME OF PREPARER EARL SCHEYERMAN PHONE # 515-239-1153  
DATE PREPARED 11-12-91

Not Applicable

SHEET 4	*STATE ASSIGNED ID [0029]
LTPP TRAFFIC DATA	*STATE CODE [11]
TRAFFIC VOLUME COUNTS	*SHRP SECTION ID [5042]

5046

1988

1986

1984

1982

1980

1978

1976

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_

MILEPOST# OR LOCATION (THIS COUNT) \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

COUNT DURATION \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER \_\_\_\_\_ NAME/MODEL # \_\_\_\_\_

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

**ACTUAL COUNTS**

ITEM	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	-----
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):	
A. ADJUSTMENT TO 24-HOUR COUNT	-.----
B. AXLE CORRECTION FACTOR	-.----
C. DAY OF WEEK FACTOR	-.----
D. MONTH FACTOR	-.----
E. OTHER FACTOR (_____)	-.----
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	-----
4. DIRECTIONAL DISTRIBUTION FACTOR	-.----
5. GPS LANE DISTRIBUTION FACTOR	-.----
6. AADT GPS LANE	-----

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>EAYL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	



NOT APPLICABLE

<p align="center"><b>SHEET 5</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>VEHICLE CLASSIFICATION DATA</b></p> <p align="center"><b>FHWA 13-CLASS SYSTEM</b></p>	*STATE ASSIGNED ID [0029]
	*STATE CODE [19]
	*SHRP SECTION ID [5042]

5046

1988

1986

1984

1982

1980

1978

1976

HIGHWAY RT. NO. (THIS COUNT) \_\_\_\_\_ MILEPOST# (THIS COUNT) \_\_\_\_\_

LOCATION (THIS COUNT) \_\_\_\_\_ FUNCTIONAL CLASS \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED \_\_\_\_\_

TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. \_\_\_\_\_

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

TOTAL NO. OF VEHICLES CLASSIFIED \_\_\_\_\_ # TRUCKS \_\_\_\_\_ % TRUCKS \_\_\_\_\_

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

VEHICLE CLASSIFICATION METHOD: FHWA \_\_\_\_\_ OTHER \_\_\_\_\_ # BINS \_\_\_\_\_

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	_____	_____	_____
2. FHWA CLASS 4 (Buses)	_____	_____	_____
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	_____
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	_____
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	_____
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	_____
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	_____
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	_____
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	_____
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	_____
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	_____
12. OTHER VEHICLES	_____	_____	_____
<b>GRAND TOTAL</b>	_____	_____	_____

NAME OF PREPARER EARL SCHEUERMANN PHONE # 515-239-1153  
 DATE PREPARED 11-12-91

SHEET 6

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
AGENCY DEFINED CLASSES

\*STATE ASSIGNED ID [ 0029 ]

\*STATE CODE [ 19 ]

\*SHRP SECTION ID 5042

5046

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_  
BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_Smoothed AADT  
1976

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u> <u>&amp; PICKUPS</u>	<u>NOT</u>	<u>AVAILABLE</u>	
B. <u>SINGLE UNIT</u> <u>TRUCKS</u>			
C. <u>TTSTs</u>			
D. _____			
E. _____			
F. _____			
G. _____			
H. _____			
I. _____			
J. _____			
K. _____			
L. _____			
M. _____			
N. _____			
O. _____			
P. _____			
Q. _____			
R. _____			
S. _____			
T. _____			

GRAND TOTAL

NAME OF PREPARER EARL SCHEUERMANN PHONE # 515-239-1153  
DATE PREPARED 11-12-91

<p>SHEET 6</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>AGENCY DEFINED CLASSES</p>	<p>*STATE ASSIGNED ID [ <u>0029</u> ]</p> <p>*STATE CODE [ <u>19</u> ]</p> <p>*SHRP SECTION ID [ <u>5042</u> ]</p>
--	--

5046

AADT  
1978

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

*Smoothed*

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u>	<u>4867</u>	<u>2449</u>	<u>2131</u>
<u>&amp; PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>322</u>	<u>146</u>	<u>127</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1551</u>	<u>815</u>	<u>709</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL      6740      3410      2967

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

<p>SHEET 6</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>AGENCY DEFINED CLASSES</p>	<p>*STATE ASSIGNED ID [ <u>0029</u> ]</p> <p>*STATE CODE [ <u>19</u> ]</p> <p>*SHRP SECTION ID [ <u>5042</u> ]</p>
--	--

5046  
AADT  
1980

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) Smoothed

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u>	<u>4500</u>	<u>2276</u>	<u>1980</u>
<u>&amp; PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>261</u>	<u>140</u>	<u>122</u>
<u>TRUCKS</u>			
C. <u>TTSTS</u>	<u>1419</u>	<u>658</u>	<u>572</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 6180 3074 2674

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

<p>SHEET 6</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>AGENCY DEFINED CLASSES</p>	<p>*STATE ASSIGNED ID [ <u>0029</u> ]</p> <p>*STATE CODE [ <u>19</u> ]</p> <p>*SHRP SECTION ID [ <u>5042</u> ]</p>
--	--

5046

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_

SMOOTHED AADT  
MILEPOST # (THIS COUNT) \_\_\_\_\_ 1982

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u>	<u>4191</u>	<u>2231</u>	<u>1941</u>
<u>&amp; PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>372</u>	<u>198</u>	<u>172</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1688</u>	<u>640</u>	<u>557</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

6251    3069    2670

NAME OF PREPARER <u>EARL SCHEHERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

<p>SHEET 6</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>AGENCY DEFINED CLASSES</p>	<p>*STATE ASSIGNED ID [0029]</p> <p>*STATE CODE [19]</p> <p>*SHRP SECTION ID [5042]</p>
--	---

5046

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

*SMOOTHED AADT*  
*1984*

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u>	<u>5632</u>	<u>2801</u>	<u>2437</u>
B. <u>PICKUPS</u>	<u>372</u>	<u>192</u>	<u>167</u>
C. <u>SINGLE UNIT TRUCKS</u>	<u>1688</u>	<u>934</u>	<u>813</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL      7622      3927      3417

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

SHEET 6 LTPP TRAFFIC DATA VEHICLE CLASSIFICATION DATA AGENCY DEFINED CLASSES	*STATE ASSIGNED ID [0029] *STATE CODE [19] *SHRP SECTION ID [5042]
---	--

5046  
1986

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS  
 HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) \_\_\_\_\_  
 BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_  
 BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

SMOOTHED AADT

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u> <u>&amp; PICKUPS</u>	<u>5524</u>	<u>2700</u>	<u>2349</u>
B. <u>SINGLE UNIT</u> <u>TRUCKS</u>	<u>464</u>	<u>253</u>	<u>220</u>
C. <u>TTSTs</u>	<u>1726</u>	<u>939</u>	<u>817</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

7714 3892 3386

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-91</u>	

<p>SHEET 6</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>AGENCY DEFINED CLASSES</p>	<p>*STATE ASSIGNED ID [ <u>0029</u> ]</p> <p>*STATE CODE [ <u>19</u> ]</p> <p>*SHRP SECTION ID [ <u>5042</u> ]</p>
--	--

5046

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

SMOOTHED ADT - 1988

HIGHWAY ROUTE NO. (THIS COUNT) \_\_\_\_\_ MILEPOST # (THIS COUNT) \_\_\_\_\_

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) \_\_\_\_\_

VEHICLE CLASSES (DESCRIBE VEHICLE TYPES IN EACH CLASS OR AXLE SPACING CATEGORY)	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
A. <u>PASSENGER CARS</u>	<u>6948</u>	<u>3363</u>	<u>2926</u>
<u>&amp; PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>566</u>	<u>274</u>	<u>238</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1900</u>	<u>1025</u>	<u>892</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

9414 4662 4056

NAME OF PREPARER EARL SCHEUERMANN PHONE # 515-239-1153

DATE PREPARED 11-12-91



SHEET 7  
LTPP TRAFFIC DATA  
VEHICLE CLASSIFICATION  
CONVERSION CHART

\*STATE ASSIGNED ID [0029]  
\*STATE CODE [19]  
\*SHRP SECTION ID [5042]

5046

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

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

SHA CLASS	FHWA CLASSES												TOTAL
	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	
A	100												100
B		10	61	25	04								100
C						16	78	3	1	1	1		100
D													
E													
F													
G													
H													
I													
J													
K													
L													
M													
N													
O													
P													
Q													
R													
S													
T													
TOTAL	100	10	61	25	4	16	78	3	1	1	1		300

NAME OF PREPARER EARL SCHEUERMANN PHONE # 515-239-1153  
DATE PREPARED 11-12-91

Not Applicable

SHEET 8 LTPP TRAFFIC DATA TRUCK WEIGHT SESSION INFORMATION	*STATE ASSIGNED ID [2029] *STATE CODE [19] *SHRP SECTION ID [5042] 5046
---	---

HIGHWAY RT. NO.(THIS SESSION) \_\_\_\_\_ MILEPOST # (THIS SESSION) \_\_\_\_\_

LOCATION (THIS SESSION) \_\_\_\_\_

FUNCTIONAL CLASSIFICATION \_\_\_\_\_ DIRECTION OF TRAVEL \_\_\_\_\_

1. FHWA STATION IDENTIFICATION NUMBER \_\_\_\_\_
2. TYPE OF WEIGHING EQUIPMENT: PERM. SCALE \_\_\_\_\_ PERM. WIM \_\_\_\_\_  
PORT. SCALE \_\_\_\_\_ PORT. WIM \_\_\_\_\_
3. COUNT DURATION (HOURS) \_\_\_\_\_ COUNT LANE \_\_\_\_\_
4. BEGINNING TIME (MONTH, DAY, YEAR, TIME) \_\_\_\_-\_\_\_\_-\_\_\_\_-\_\_\_\_
5. ENDING TIME (MONTH, DAY, YEAR, TIME) \_\_\_\_-\_\_\_\_-\_\_\_\_-\_\_\_\_
6. EQUIPMENT MANUFACTURER / MODEL # \_\_\_\_\_
7. PURPOSE OF WEIGHT SESSION:  
DATA COLLECTION \_\_\_\_\_ ENFORCEMENT \_\_\_\_\_
8. VEHICLE CLASSIFICATION SCHEME: FHWA \_\_\_\_\_ OTHER \_\_\_\_\_ # BINS \_\_\_\_\_
9. PAVEMENT TYPE: AC \_\_\_\_\_ PCC \_\_\_\_\_ OTHER \_\_\_\_\_
10. METHOD OF CALIBRATION AND FREQUENCY: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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>EARL SCHEUERMANN</u> PHONE # <u>515-239-1153</u> DATE PREPARED <u>11-12-91</u>
---

Not Applicable

<p align="center">SHEET 9</p> <p align="center">LTPP TRAFFIC DATA</p> <p>TRUCK AXLE LOAD MEASUREMENTS BY VEHICLE CLASSIFICATION</p>	*STATE ASSIGNED ID [2229]
	*STATE CODE [19]
	*SHRP SECTION ID [5042] 5046

FHWA CLASSIFICATION SCHEME: FHWA \_\_\_\_\_ OTHER \_\_\_\_\_ #BINS \_\_\_\_\_

NOTE: FOR CLASSIFICATION SCHEMES OTHER THAN FHWA, ATTACH SHEET 7  
DESCRIBING CONVERSION FROM AGENCY CLASSIFICATION SCHEME TO  
FHWA 13 CLASSES.

1. VEHICLE CLASS \_\_\_\_\_

2. TOTAL NUMBER VEHICLES COUNTED \_\_\_\_\_

3. SINGLE AXLES LOAD RANGE	NUMBER OF SINGLE AXLES WEIGHED	4. TANDEM AXLES LOAD RANGE	NUMBER OF TANDEM AXLES WEIGHED	5. TRIPLE AXLES LOAD RANGE	NUMBER OF TRIPLE AXLES WEIGHED
< 3000	_____	< 6000	_____	< 12000	_____
3000 - 3999	_____	6000 - 7999	_____	12000 - 14999	_____
4000 - 4999	_____	8000 - 9999	_____	15000 - 17999	_____
5000 - 5999	_____	10000 - 11999	_____	18000 - 20999	_____
6000 - 6999	_____	12000 - 13999	_____	21000 - 23999	_____
7000 - 7999	_____	14000 - 15999	_____	24000 - 26999	_____
8000 - 8999	_____	16000 - 17999	_____	27000 - 29999	_____
9000 - 9999	_____	18000 - 19999	_____	30000 - 32999	_____
10000 - 10999	_____	20000 - 21999	_____	33000 - 35999	_____
11000 - 11999	_____	22000 - 23999	_____	36000 - 38999	_____
12000 - 12999	_____	24000 - 25999	_____	39000 - 41999	_____
13000 - 13999	_____	26000 - 27999	_____	42000 - 44999	_____
14000 - 14999	_____	28000 - 29999	_____	45000 - 47999	_____
15000 - 15999	_____	30000 - 31999	_____	48000 - 50999	_____
16000 - 16999	_____	32000 - 33999	_____	51000 - 53999	_____
17000 - 17999	_____	34000 - 35999	_____	54000 - 56999	_____
18000 - 18999	_____	36000 - 37999	_____	57000 - 59999	_____
19000 - 19999	_____	38000 - 39999	_____	60000 - 62999	_____
20000 - 20999	_____	40000 - 41999	_____	63000 - 65999	_____
21000 - 21999	_____	42000 - 43999	_____	66000 - 68999	_____
22000 - 22999	_____	44000 - 45999	_____	69000 - 71999	_____
23000 - 23999	_____	46000 - 47999	_____	72000 - 74999	_____
24000 - 24999	_____	48000 - 49999	_____	75000 - 77999	_____
25000 - 25999	_____	50000 - 51999	_____	78000 - 79999	_____
26000 - 26999	_____	52000 - 53999	_____	> 80000	_____
27000 - 27999	_____	54000 - 55999	_____		
28000 - 28999	_____	56000 - 57999	_____		
29000 - 29999	_____	58000 - 59999	_____		
> 30000	_____	> 60000	_____		

6. USE SECOND PAGE FOR FOUR AXLE GROUPS.

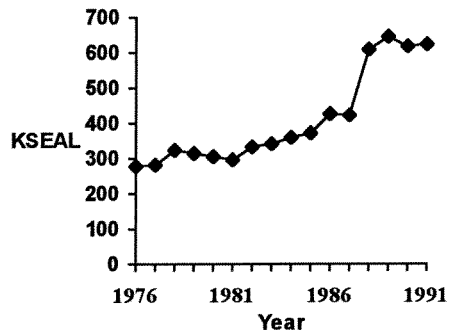
NAME OF PREPARER	EARL SCHEUERMANN	PHONE #	515-239-1153
DATE PREPARED	11-12-91		

Agency ID:

Agency Name:

SHRP ID:

### Historical Traffic Data



Year:	KESAL:	SRO:
1990	617	
1991	623	

Permanent System

Installation Date

Manufacturer

Model

Type

Site Location

MP or Station

Design KESAL

Level

Number of Lanes

Lanes Monitored

Equipment Location

Construction Event

Layer Number	Layer Type	Thickness0	Thickness5
1	SS		
2	TB	4	4
3	PC	8.6	8