

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 [19]
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. 11-14-75

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>] <u>5046</u>

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 EARL SCHEYERMAN PHONE # 515-239-1153
DATE PREPARED 1-9-92

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [0029] *STATE CODE [19] *SHRP SECTION ID 15042
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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	629 N.A.	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">SHEET 5</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VEHICLE CLASSIFICATION DATA</p> <p align="center">FHWA 13-CLASS SYSTEM</p>	*STATE ASSIGNED ID [0029]
	*STATE CODE [19]
	*SHRP SECTION ID [5042]

HIGHWAY RT. NO. (THIS COUNT) _____ MILEPOST# (THIS COUNT) _____

LOCATION (THIS COUNT) _____ FUNCTIONAL CLASS _____

BEGINNING DATE _____ ENDING DATE _____

BEGINNING TIME _____ ENDING TIME _____ DURATION (HRS) _____

TYPE OF COUNT: MANUAL _____ AUTOMATED _____ NO. OF LANES COUNTED _____

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

EQUIPMENT NAME / MODEL # _____

TOTAL NO. OF VEHICLES CLASSIFIED _____ # TRUCKS _____ % TRUCKS _____

NO. OF TRUCKS IN GPS LANE _____ % OF TRUCKS IN GPS LANE _____

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER _____ # BINS _____

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

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

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

DATE PREPARED 11-12-91

5046

1988

1986

1984

1982

1980

1978

1976

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>& 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>
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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>& 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>
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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>& 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>
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5046

SMOOTHED AADT

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) _____

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>& 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 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 [0029]</p> <p>*STATE CODE [19]</p> <p>*SHRP SECTION ID [5042]</p>
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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>
<u>& PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>372</u>	<u>192</u>	<u>167</u>
<u>TRUCKS</u>			
C. <u>TTSTs</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 7692 3927 3417

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 [0029]</p> <p>*STATE CODE [19]</p> <p>*SHRP SECTION ID [5042]</p>
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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>& 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>
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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>& 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 [2039] *STATE CODE [19] *SHRP SECTION ID [5042] 5046
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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.

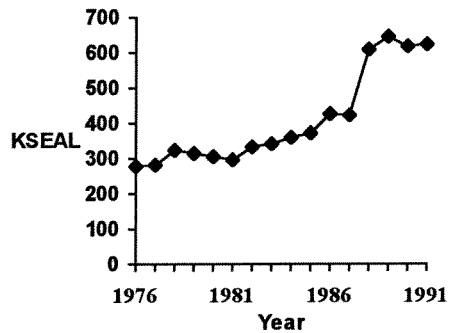
NAME OF PREPARER	EARL SCHEUERMANN	PHONE #	515-239-1153
DATE PREPARED	11-12-91		

Agency ID: 19

SHRP ID: 5046

Agency Name: Iowa

Historical Traffic Data



Year:	KESAL:	SRO:
1990	617	
1991	623	

Permanent System WIM

Installation Date 6/1/91

Manufacturer GK Instruments

Model AWACS 6000

Type Piezo Cable

Site Location I-35 NB

MP or Station MP 155.40

Design KESAL 620

Level P

Number of Lanes 4

Lanes Monitored 1N

Equipment Location 2.2 MLS

Construction Event 1

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