

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID <u>IA68</u> *STATE CODE <u>19</u> *SHRP SECTION ID <u>9116</u>
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STATE OR PROVINCE Iowa COUNTY Worth
 HIGHWAY ROUTE NO. IH-35 MILEPOST# 217
 NEAREST CITY/TOWN 20 miles north of Mason City NEAREST INTERSECTION 3 miles north of IAH 105
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE NORTH DATE OPENED TO TRAF. - - - 72
 FIPS COUNTY CODE 195 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. _____ HPMS SUBDIVISION NO. _____
 TYPE OF PAVEMENT: AC X PCC _____ 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: AC WAS LAID OVER PCC IN 1989.

**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> DATE PREPARED <u>11-12-91</u>	PHONE # <u>515-239-1153</u>
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<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 [1A68]
	*STATE CODE [19]
	*SHRP SECTION ID [9116]

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	8963	2567	3906	1192	649
1987					492*
1986	7817	2443	3451	915	468
1985					358*
1984	7570	2229	3419	995	391
1983					373*
1982	6000	2049	2607	693	355
1981					310*
1980	6068	1852	2644	740	345
1979					341*
1978	6510	1875	2775	805	338
1977					304*
1976	4584	1500	1964	622	271
1975					241*
1974	3880	1177	1659	492	211
1973					106*
1972	5280	899	N.A.	N.A.	N.A.
1971					
1970					
1969					
1968					
1967					
1966					
1965					

* ESTIMATED FROM PREVIOUS YEARS DATA

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

SHEET 3

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

*STATE ASSIGNED ID []

*STATE CODE [19]

*SHRP SECTION ID [1112]

1. Year Applicable 1988, 1989, 1990

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: 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: WEIGHT DATA FROM 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 SCHEUERMANN PHONE # 515-239-1153DATE PREPARED 11-12-91

SHEET 10

LTPP TRAFFIC DATA

TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE - NO SITE COUNT

*STATE ASSIGNED ID FA68

*STATE CODE 19

*SHRP SECTION ID 2116

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>9580</u>	<u>2721</u>	<u>4175</u>	<u>1264</u>	<u>688</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 _____

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

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

- ☒ System distribution factors.
- ☐ Other _____

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

- ☒ System distribution factors.
- ☐ Other _____

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

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 SCHEYERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>1-9-92</u>	

Not Applicable

SHEET 4	*STATE ASSIGNED ID []
LTPP TRAFFIC DATA	*STATE CODE [19]
TRAFFIC VOLUME COUNTS	*SHRP SECTION ID []

HIGHWAY ROUTE NO. (THIS COUNT) _____ *ALL COUNT DATA*
MILEPOST# OR LOCATION (THIS COUNT) _____ *FROM SMOOTHED*
BEGINNING DATE _____ ENDING DATE _____ *RAMP COUNTS*
BEGINNING TIME _____ ENDING TIME _____ *COMPARED TO*
COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS *PERCENTAGE*
TYPE OF COUNTER _____ NAME/MODEL # _____ *DATA*
TYPE OF COUNT: TWO-WAY _____ ONE DIRECTION ONLY _____ GPS TEST LANE ONLY _____ *ALL ARE AADT*

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

Not Applicable

<p>SHEET 5</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION DATA</p> <p>FHWA 13-CLASS SYSTEM</p>	<p>*STATE ASSIGNED ID [_____]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [_____]</p>
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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 <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>ED67</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>9116</u>]</p>
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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) _____

SMOOTH RD AADT 1941

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>2703</u>	<u>1342</u>	<u>1168</u>
B. <u>PICKUPS</u>	<u>155</u>	<u>76</u>	<u>66</u>
C. <u>SINGLE UNIT TRUCKS</u>	<u>1022</u>	<u>489</u>	<u>425</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____
GRAND TOTAL	<u>3880</u>	<u>1907</u>	<u>1659</u>

NAME OF PREPARER <u>EARL SCHEUERMANN</u>	PHONE # <u>515-239-1153</u>
DATE PREPARED <u>11-12-71</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>1132</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>1116</u>]</p>
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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) _____

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>3084</u>	<u>1543</u>	<u>1342</u>
B. <u>Pickups</u>	<u>245</u>	<u>114</u>	<u>99</u>
C. <u>SINGLE UNIT TRUCKS</u>	<u>1255</u>	<u>601</u>	<u>523</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 4584 2258 1964

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>1052</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>2116</u>]</p>
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FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

2 MONTHS AADT

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

BEGINNING DATE _____ ENDING DATE _____

BEGINNING TIME _____ ENDING TIME _____ DURATION (HRS) _____

1978

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>4635</u>	<u>2265</u>	<u>1971</u>
<u>& Pickups</u>			
B. <u>SINGLE UNIT</u>	<u>259</u>	<u>118</u>	<u>103</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1616</u>	<u>807</u>	<u>702</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

6510 3190 2776

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>2192</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>9116</u>]</p>
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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) _____

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>4216</u>	<u>2188</u>	<u>1904</u>
<u>& PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>211</u>	<u>112</u>	<u>97</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1641</u>	<u>739</u>	<u>643</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

6068 3039 2644

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>111</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>7116</u>]</p>
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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>3951</u>	<u>2199</u>	<u>1913</u>
<u>& PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>397</u>	<u>171</u>	<u>149</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1652</u>	<u>626</u>	<u>545</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 6000 2996 2607

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>100</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>2116</u>]</p>
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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) _____

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>5341</u>	<u>2786</u>	<u>2424</u>
<u>& PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>419</u>	<u>195</u>	<u>170</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1810</u>	<u>949</u>	<u>826</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

7570 3930 3420

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>1</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>2116</u>]</p>
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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) _____

SMITH ADT
1286

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>5851</u>	<u>2715</u>	<u>2536</u>
<u>& Pickups</u>			
B. <u>SINGLE UNIT</u>	<u>302</u>	<u>150</u>	<u>131</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>1664</u>	<u>902</u>	<u>785</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

2817 3967 3452

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>FL</u>]</p> <p>*STATE CODE [<u>19</u>]</p> <p>*SHRP SECTION ID [<u>9116</u>]</p>
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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) _____

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>6376</u>	<u>3120</u>	<u>2714</u>
<u>& PICKUPS</u>			
B. <u>SINGLE UNIT</u>	<u>502</u>	<u>243</u>	<u>211</u>
<u>TRUCKS</u>			
C. <u>TTSTs</u>	<u>2065</u>	<u>1127</u>	<u>980</u>
D. _____	_____	_____	_____
E. _____	_____	_____	_____
F. _____	_____	_____	_____
G. _____	_____	_____	_____
H. _____	_____	_____	_____
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL

8963 4490 3905

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 [1172]

*STATE CODE [19]

*SHRP SECTION ID [9116]

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 SCHEUERMAN PHONE # 515-239-1153
DATE PREPARED 11-12-71

Not Applicable

<p>SHEET 8</p> <p>LTPP TRAFFIC DATA</p> <p>TRUCK WEIGHT SESSION INFORMATION</p>	<p>*STATE ASSIGNED ID []</p> <p>*STATE CODE [19]</p> <p>*SHRP SECTION ID []</p>
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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 []
	*STATE CODE [17]
	*SHRP SECTION ID []

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.

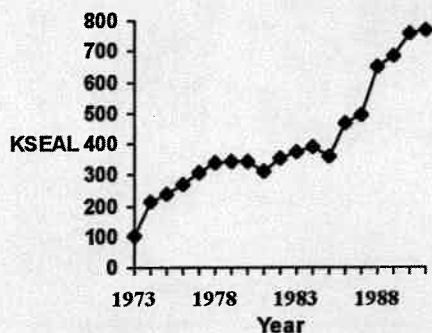
NAME OF PREPARER	EARL SCHEUERMANN	PHONE #	515-239-1153
DATE PREPARED	11-12-71		

Agency ID: 19

SHRP ID: 9116

Agency Name: Iowa

Historical Traffic Data



Year:	KESAL:	SRO:
1990	759	
1991	767	

Permanent System WIM

Installation Date 5/1/91

Manufacturer GK Instruments

Model AWACS 6000

Type Piezo Cable

Permanent System WIM

Installation Date 5/1/91

Manufacturer GK Instruments

Model AWACS 6000

Type Piezo Cable

Site Location I-35 NB

MP or Station MP 216.75

Design KESAL 770

Level P

Number of Lanes 4

Lanes Monitored 2N/2S

Equipment Location .2 MLN

Construction Event 1

Layer Number	Layer Type	Thickness0	Thickness5
1	SS		
2	TB	4.7	4.4
3	PC	7.6	8.1
1	SS		
2	TB	4.7	4.4
3	PC	7.6	8.1
4	AC	4.9	4.4
5	AC	7.5	8.1