

<p>SHEET 10</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT</p>	<p>*STATE ASSIGNED ID <u>[2154]</u></p> <p>*STATE CODE <u>[19]</u></p> <p>*SHRP SECTION ID <u>[3033]</u></p>
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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>1991</u>	<u>9540</u>	<u>1383</u>	<u>4051</u>	<u>1154</u> <i>575 similar to 1990</i>	<u>256</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  
1989

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 Static scales used  
FOR ENFORCEMENT AND  
PORTABLE Scales

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

<b>SHEET 11</b> <b>LTPP TRAFFIC DATA</b> <b>VOLUME DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ <u>IA 54</u> ] *STATE CODE [ <u>19</u> ] *SHRP SECTION ID [ <u>3033</u> ]
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HIGHWAY RT. NO. (THIS COUNT) US 4218 MILEPOST NO. (THIS COUNT) MP 86.17

LOCATION (THIS COUNT) MP 86.17

FILENAME V193033.NI1 DISK/TAPE ID \_\_\_\_\_

BEGINNING DATE 12-19-91 BEGINNING TIME 15:00

ENDING DATE 1-15-92 ENDING TIME 12:00

TYPE OF COUNT: TWO-WAY \_\_\_\_\_ ONE-WAY \_\_\_\_\_ GPS LANE X

COUNT DURATION 27 [ ] HOURS [X] DAYS [ ] MONTHS

TYPE OF SENSOR \_\_\_\_\_ ROAD TUBES X PIEZO CABLE

\_\_\_\_\_ PIEZO FILM \_\_\_\_\_ LOOPS \_\_\_\_\_ OTHER \_\_\_\_\_

EQUIPMENT MANUFACTURER / MODEL # GK-6701

AXLE CORRECTION FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_

MONTHLY/SEASONAL FACTOR \* STANDARD DEV. OF FACTOR \_\_\_\_\_

DAY-OF-WEEK FACTOR \* STANDARD DEV. OF FACTOR \_\_\_\_\_

OTHER FACTOR \_\_\_\_\_ STANDARD DEV. OF FACTOR \_\_\_\_\_  
 SPECIFY \_\_\_\_\_

DISTRIBUTION FACTOR FOR GPS LANE \_\_\_\_\_  
 (WHEN NOT AVAILABLE FROM ACTUAL COUNT DATA.)

SOURCE OF GPS LANE DISTRIBUTION FACTOR ESTIMATE \_\_\_\_\_

COMMENTS: \* see attached sheet for monthly & dow factors

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Michael Jorgensen</u>	PHONE # <u>(515) 239-1739</u>
DATE PREPARED <u>6-4-92</u>	

<b>SHEET 12</b> <b>LTPP TRAFFIC DATA</b> <b>CLASSIFICATION DATA</b> <b>TRANSMITTAL FORM</b>	*STATE ASSIGNED ID <u>[I A 5 4]</u>
	*STATE CODE <u>[1 9]</u>
	*SHRP SECTION ID <u>[3 0 3 3]</u>

HIGHWAY RT. NO. (THIS SESSION) US 4218 MILEPOST NO. (THIS SESSION) MP 86.17

LOCATION (THIS COUNT) MP 86.17

FILENAME C193033.NI1 DISK/TAPE ID \_\_\_\_\_

BEGINNING DATE 12-19-91 BEGINNING TIME 15:00

ENDING DATE 1-15-92 ENDING TIME 12:00

COUNT DURATION 27 [ ] HOURS [X] DAYS [ ] MONTHS

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

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE \_\_\_\_\_ PERMANENT X

EQUIPMENT MAKE/MODEL # GK-6701

SENSOR TYPE Piezo Cable

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS  
\* AADT factors are included on attached sheet

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT \_\_\_\_\_

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Michael Jorgensen</u>	PHONE # <u>(515) 239-1739</u>
DATE PREPARED <u>6-4-92</u>	

SHEET 15  
LTPP TRAFFIC DATA

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [~~1A54~~]

STATE CODE [19]

SHRP SECTION ID [~~3033~~]

LOCATION Johnson Co / Hills

DATE OF INSTALLATION 7/23/91

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	1-Lane WIM-AWACS Recorder	GK-6701	9106-1139
Interface - Module	1 meg	GK	19009
Modem	UDS-212	Universal Data Systems	72105
Loop Amplifiers			
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	(2) Vibracoax Weight Sensors	(Phillips) GK-A1-2687	
Sensor Next Adjacent Lane (1)			
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor	(1) Vibratek off-scale sensor	(Phillips) GK-A1-2688	
Right Platform			
Left Platform			
Other <u>Temperature Probe</u>	(1) Semi-conductor	GK-B091	
Software			
Complete Package	GORDON- VISA/AWACS	GK	
Axle Spacing Algorithm Only	FHWA Scheme "F"		
Other _____			
Loops			
Upstream - Lane 1			
Downstream - Lane 1			
Upstream - Other Lanes			
Downstream - Other Lanes			

**North Central Region of FHWA-LTPP  
Traffic Data Collection Equipment Installation And Change Log**

State Code	SHRP Id	Location	Install Date	Brand Name	Model	Serial No. Control Unit	GPS Sensor Type	Software Brand/Version	Loops	Equipment Change	Date of Change
19	1044	30 MI W Waterloo 0.2 MI W ST 187	07/02/91	GK	6701	9106-1136	Vibracoax-wt.	Cordon VISA/AWACS			
19	3006	26 MI NE Quad cities 6.3 MI E US 61	07/16/91	GK	6701	9106-1140	Vibracoax-wt.	Cordon VISA/AWACS			
19	3009	Near Cedar Rapids 0.1 MI S US 151		GK	6701						
19	3028	Near Iowa City 1.8 MI S I-80	07/24/91	GK	6701	9106-1138	Vibracoax-wt.	Cordon VISA/AWACS			
19	3033	Near Iowa City 6.6 MI S I-80	07/23/91	GK	6701	9106-1139	Vibracoax-wt.	Cordon VISA/AWACS			
19	3055	Near Webster City - 4.5 MI W OF I-35	06/04/91	GK	6701	9106-1135	Vibracoax-wt.	Cordon VISA/AWACS			
19	5042	15 MI NE Webster City-2.75 MI S IA riv	06/11/91	GK	6701	9106-1141	Vibracoax-wt.	Cordon VISA/AWACS			
19	5046	18 MI NE Webster City-0.5 MI N IA rive		Same equipment as section 195042							
19	6049	19 MI E OF Iowa City -	07/30/91	GK	6701	9106-1146	Vibracoax-wt.	Cordon VISA/AWACS			
19	6150	9 MI S OF Sac City - 2 MI N OF US 71	06/01/90	GK	6701	9106-1149	Vibracoax-wt.	Cordon VISA/AWACS			
19	9116	2 MI S OF MN/Iowa state line	05/30/91	GK	6701						
19	9126	IN Quad Cities - 1.6 MI E OF I-74	08/03/91	GK	6702	9106-1137	Vibracoax-wt.	Cordon VISA/AWACS			
19	SPS6	12 MI S Ames	06/01/90	GK	6701	9106-1130	Vibracoax-wt.	Cordon VISA/AWACS			