

SCANNED

AUG 06 2008

DATE 5/1/01

SHEET 1

LTPP TRAFFIC DATA

SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [3102]

*STATE CODE [55]

*SHRP SECTION ID [6352]

STATE OR PROVINCE Wisconsin COUNTY IowaHIGHWAY ROUTE NO. US-18 MILEPOST# _____NEAREST CITY/TOWN 0.5 mi. S. of Blue Mounds NEAREST INTERSECTION 4.5 mi. W of STH 78FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 10-01-88LDE EST
10/26/01FIPS COUNTY CODE 049 FHWA STATION IDENTIFICATION NO. D01

HPMS SAMPLE NO. _____ HPMS SUBDIVISION NO. _____

TYPE OF PAVEMENT: AC _____ PCC ☒ OTHER _____CONTROL OF ACCESS: YES ☒ NO _____ MEDIAN: YES ☒ NO _____

CURRENT SURROUNDING DEVELOPMENT:

URBAN _____ SUBURBAN _____ RURAL ☒ in town of Big Ham

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 JOHN WILLIAMSON PHONE # (608) 267-2939

DATE PREPARED _____

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [3102]</p> <p>*STATE CODE [55]</p> <p>*SHRP SECTION ID [6352]</p>
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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	9503	1121	4420 4381	62557	279.3 226
1988	8690	1025	4033 4006	459473	198.8 207
1987	X				
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

ENTERED APR 09 2008

SCANNED
FEB 7 2008

NAME OF PREPARER <u>JOHN WILLIAMSON</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED _____	

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [3102]</p> <p>*STATE CODE [55]</p> <p>*SHRP SECTION ID [6352]</p>
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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			4420	625	279.3
1988			4033	459	198.8
1987	X				
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>JOHN WILLIAMSON</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED _____	

SHEET 2 CONTINUED

	1	2	3	4	5
YEAR	ESTIMATED TOT VEH	ESTIMATED TOT TRUCK	ESTIMATED TOT VEH GPS LN	ESTIMATED TOT TRUCK GPS LN	ESTIMATED ESAL
2000					
1999					
1998					
1997					
1996					
1995					
1994	64830	10630	20992	4784	2011
1993	No Data 56760	9301	18375	4184	2901
1992	No Data 54577	8944	17669	4024	2790
1991	No Data 52478	8600	16990	3870	2683
1990	50460	8270	16337	3722	2581

$$64830 \div 4 = 16208 \quad 10630 \div 2 = 5315 \times .9 = 4784 + 16208 = 20992$$

SITE:

$$50460 \div 4 = 12615 \quad 8270 \div 2 = 4135 \times .9 = 3722 + 12615 = 16337$$

* Do columns 1 - 4

* GPS Lane \approx Driving lane

FRANKLIN ϕ 4 lane $\frac{1}{4}$
 I-270 9.82 $\frac{1}{4}$ Truck $\frac{1}{4}$
 # of lanes

$\frac{1}{2}$ ADT

~~See~~ 6 lane

1.1 | .1 | .8 |

SHEET 3

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

*STATE ASSIGNED ID [3102]

*STATE CODE [55]

*SHRP SECTION ID [6352]

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.
☐ 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: _____

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) _____
☐ 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: _____

(B) Weight Scale Type

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

NAME OF PREPARER JOHN WILLIAMSONPHONE # (608) 267-2939

DATE PREPARED _____

SCANNED

BY AD 4/6/2008

SHEET 3

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

*STATE ASSIGNED ID [3102]
*STATE CODE [55]
*SHRP SECTION ID [6352]

1. Year Applicable 1989

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: _____

**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) _____
☐ 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: _____

(B) Weight Scale Type

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

NAME OF PREPARER JOHN WILLIAMSON PHONE # (608) 267-2939
DATE PREPARED _____

<p align="center">SHEET 4</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">TRAFFIC VOLUME COUNTS</p>	*STATE ASSIGNED ID [<u>3102</u>]
	*STATE CODE [<u>55</u>]
	*SHRP SECTION ID [<u>6352</u>]

HIGHWAY ROUTE NO. (THIS COUNT) US 18

MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile west of Dane Co. line

BEGINNING DATE -88 ENDING DATE -88

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 _____

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
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)	_____	<u>8490</u> <i>week 27 camp 4</i>
4. DIRECTIONAL DISTRIBUTION FACTOR	_____	<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR	_____	<u>0.950</u>
6. AADT GPS LANE	_____	<u>4033</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>JOHN WILLIAMSON</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED _____	

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID <u>[3102]</u> *STATE CODE <u>[55]</u> *SHRP SECTION ID <u>[6352]</u>
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HIGHWAY ROUTE NO. (THIS COUNT) US 18/151
 MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile West of Dane Co. Line
 BEGINNING DATE 7-5-89 ENDING DATE 7-7-89
 BEGINNING TIME NA ENDING TIME NA
 COUNT DURATION 48 ☒ HOURS [] DAYS [] MONTHS
 TYPE OF COUNTER NA NAME/MODEL # NA
 TYPE OF COUNT: TWO-WAY ☐ ONE DIRECTION ONLY ☒ GPS TEST LANE ONLY ☐

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>	
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>5506</u>		Count on file is average of count for each hour
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):			
A. ADJUSTMENT TO 24-HOUR COUNT	<u>---</u>		
B. AXLE CORRECTION FACTOR	<u>---</u>		
C. DAY OF WEEK FACTOR	<u>---</u>		
D. MONTH FACTOR	<u>---</u>		
E. OTHER FACTOR (<u>weekly</u>)	<u>0.845</u>		week 27 group 3
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4653</u>		<u>one-way</u> <u>4653</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>---</u>		
5. GPS LANE DISTRIBUTION FACTOR	<u>0.950</u>		
6. AADT GPS LANE	<u>4420</u>		

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>JOHN WILLIAMSON</u> DATE PREPARED _____	PHONE # <u>(608) 267-2939</u>
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SHEET 6
LTPP TRAFFIC DATA
VEHICLE CLASSIFICATION DATA
AGENCY DEFINED CLASSES

*STATE ASSIGNED ID [_____]]
*STATE CODE [55]
*SHRP SECTION ID [All-]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

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

BEGINNING DATE 1973 ENDING DATE 1982

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. Wisconsin Cars - Standard	_____	_____	_____
B. Wisconsin Cars - Small	_____	_____	_____
C. Out-of-State Cars - Standard	_____	_____	_____
D. Out-of-State Cars - Small	_____	_____	_____
E. Motorcycles	_____	_____	_____
F. Commercial Bus	_____	_____	_____
G. School Bus	_____	_____	_____
H. 2P	_____	_____	_____
I. 2S	_____	_____	_____
J. 2D	_____	_____	_____
K. 3 Axle Single Unit	_____	_____	_____
L. 4 Axle or more Single Unit	_____	_____	_____
M. 3 Axle Tractor - Semi-trailer	_____	_____	_____
N. 4 Axle Tractor - Semi-trailer	_____	_____	_____
O. 5 Axle Tractor - Semi-trailer	_____	_____	_____
P. 6 Axle or more Tractor - Semi-trailer	_____	_____	_____
Q. 3 Axle Truck and Trailer	_____	_____	_____
R. 4 Axle Truck and Trailer	_____	_____	_____
S. 5 Axle Truck and Trailer	_____	_____	_____
T. 6 Axle or more Truck and Trailer	_____	_____	_____

GRAND TOTAL _____

NAME OF PREPARER John Williamson
DATE PREPARED 7-26-90

PHONE # (608) 267-2939

SHEET 6
LTPP TRAFFIC DATA
VEHICLE CLASSIFICATION DATA
AGENCY DEFINED CLASSES

*STATE ASSIGNED ID [_____]
*STATE CODE [55]
*SHRP SECTION ID [-All-]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

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

BEGINNING DATE 1983 ENDING DATE 1983

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>Standard and Compact Cars</u>	_____	_____	_____
B. <u>Small (Subcompact) Cars</u>	_____	_____	_____
C. <u>motorcycles</u>	_____	_____	_____
D. <u>All buses</u>	_____	_____	_____
E. <u>20, 25</u>	_____	_____	_____
F. <u>20</u>	_____	_____	_____
G. <u>3 Axle or more Single Unit Trucks</u>	_____	_____	_____
H. <u>3 Axle Combinations - 2S1, 2-1</u>	_____	_____	_____
I. <u>4 Axle Combinations - 2S2, 3S1, 2-2, 3-1</u>	_____	_____	_____
J. <u>5 Axle Tractor-Semitrailer - 3S2, 2S3</u>	_____	_____	_____
K. <u>5 Axle Double Bottoms 2S1-2</u>	_____	_____	_____
L. <u>Other 5 Axle Truck and Trailers - 2-3, 3-2</u>	_____	_____	_____
M. <u>Six or more Axle Combination trucks - 3S3, 4S2, 3-3, 4-2</u>	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL _____

NAME OF PREPARER John Williamson PHONE # (608) 267-2939
DATE PREPARED 7-26-90

<p>SHEET 7</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION CONVERSION CHART</p>	<p>*STATE ASSIGNED ID [_____]</p> <p>*STATE CODE [<u>55</u>]</p> <p>*SHRP SECTION ID [<u>-ALL-</u>]</p>
--	---

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 1973 TO 1982

FHWA CLASSES													
SHA CLASS	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	TOTAL
A	100												100
B	100												100
C	100												100
D	100												100
E	100												100
F		100											100
G		100											100
H	100												100
I	100												100
J			100										100
K				100									100
L					100								100
M						100							100
N						100							100
O							100						100
P								100					100
Q						100							100
R						100							100
S							100						100
T								100					100
TOTAL	700	200	100	100	100	400	200	200	0	0	0	0	2000

NAME OF PREPARER <u>John Williamson</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED <u>7-26-90</u>	

<p>SHEET 7</p> <p>LTPP TRAFFIC DATA</p> <p>VEHICLE CLASSIFICATION</p> <p>CONVERSION CHART</p>	<p>*STATE ASSIGNED ID [_____]</p> <p>*STATE CODE [<u>55</u>]</p> <p>*SHRP SECTION ID [<u>ALL</u>]</p>
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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 1983 TO 1983

FHWA CLASSES													
SHA CLASS	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	TOTAL
A	100												100
B	100												100
C	100												100
D		100											100
E	100												100
F			100										100
G*				77	23								100
H						100							100
I						100							100
J							100						100
K									100				100
L							100						100
M								100					100
N													0
O													0
P													0
Q													0
R													0
S													0
T													0
TOTAL	<u>400</u>	<u>100</u>	<u>100</u>	<u>77</u>	<u>23</u>	<u>200</u>	<u>200</u>	<u>100</u>	<u>100</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>1300</u>

* for Rural Interstate 85:15
for Rural Principal and Minor Arterials 73:27

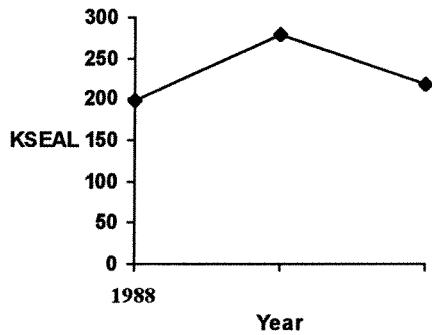
NAME OF PREPARER <u>John Williamson</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED <u>7-26-90</u>	

Agency ID:

SHRP ID:

Agency Name:

Historical Traffic Data



Year:	KESAL:	SRO:
1990	218	

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	GS	11	10.3
3	GB	6.5	6.4
4	PC	9.1	9.2