

SCANNED

BLUE MOUNTAINS

<p>SHEET 1</p> <p>LTPP TRAFFIC DATA</p> <p>SUMMARY TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [3105]</p> <p>*STATE CODE [55]</p> <p>*SHRP SECTION ID [6355]</p>
---	---

STATE OR PROVINCE Wisconsin COUNTY Dane

HIGHWAY ROUTE NO. US-18 MILEPOST# \_\_\_\_\_

NEAREST CITY/TOWN 0.5 mi. W. of Blue Mounds NEAREST INTERSECTION 3.5 mi. W. of STH 78

FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4

DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 10-01-88

LDE EST  
10/06/01

FIPS COUNTY CODE 025 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 Blue Mounds

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

<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [3105] *STATE CODE [55] *SHRP SECTION ID [6355]
---	--

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	<del>8340</del> 9503	1121	<del>3962</del> 4381	<del>560</del> 517	<del>250.3</del> 226
1988	<del>7741</del> 8690	<del>1025</del>	<del>3772</del> 4006	<del>429</del> 473	<del>185.9</del> 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					

SCANNED

SEP 14 2008

ENTERED APR 09 2008

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

<p><b>SHEET 2</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [3105]</p> <p>*STATE CODE [55]</p> <p>*SHRP SECTION ID [6355]</p>
--	---

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	8340		3962	560	250.3
1988	7941		3772	429	185.9
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 3

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

\*STATE ASSIGNED ID [3105]

\*STATE CODE [55]

\*SHRP SECTION ID [6355]

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 \_\_\_\_\_

AUG 15 2008

SHEET 3

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

\*STATE ASSIGNED ID [3105]

\*STATE CODE [55]

\*SHRP SECTION ID [6355]

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: \_\_\_\_\_

## 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: \_\_\_\_\_

## 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: \_\_\_\_\_

## 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: \_\_\_\_\_

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

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

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

DATE PREPARED \_\_\_\_\_

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [3105] *STATE CODE [55] *SHRP SECTION ID [6355]
--	--

HIGHWAY ROUTE NO. (THIS COUNT) US 18  
 MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile west of mile 1  
 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)	6972	(1987 raw count)
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		* this count was
A. ADJUSTMENT TO 24-HOUR COUNT	.----	taken in 1987
B. AXLE CORRECTION FACTOR	.----	before the 2 eastbound
C. DAY OF WEEK FACTOR	.----	lanes were built.
D. MONTH FACTOR	.----	
E. OTHER FACTOR (growth factor '87-'88)	1.139	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	7941	
4. DIRECTIONAL DISTRIBUTION FACTOR	0.500	
5. GPS LANE DISTRIBUTION FACTOR	0.950	
6. AADT GPS LANE	3772	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

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

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [3105]
	*STATE CODE [55]
	*SHRP SECTION ID [6355]

HIGHWAY ROUTE NO. (THIS COUNT) US 18

MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile west of CTH 'E'

BEGINNING DATE -89 ENDING DATE -89

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 —

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 ( <u>growth factor '87-'89</u> )		
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		
4. DIRECTIONAL DISTRIBUTION FACTOR		
5. GPS LANE DISTRIBUTION FACTOR		
6. AADT GPS LANE		

1987 count  
1989 estimate  
6972 1987 count (taken before 2nd pair of lanes installed)  
1.196  
8340  
0.500  
0.950  
3962

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

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

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

PHONE # (608) 267-2939

DATE PREPARED 7-26-80



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>2P, 2S</u>	_____	_____	_____
F. <u>2D</u>	_____	_____	_____
G. <u>3Axle or more Single Unit Trucks</u>	_____	_____	_____
H. <u>3Axle Combinations - 2S1, 2-1</u>	_____	_____	_____
I. <u>4Axle Combinations - 2S2, 3S1, 2-2, 3-1</u>	_____	_____	_____
J. <u>5Axle Tractor-Semitrailer - 3S2, 2S3</u>	_____	_____	_____
K. <u>5Axle Double Bottoms 2S1-2</u>	_____	_____	_____
L. <u>Other 5Axle 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

SHEET 7  
LTPP TRAFFIC DATA  
VEHICLE CLASSIFICATION  
CONVERSION CHART

\*STATE ASSIGNED ID [ \_\_\_\_\_ ]  
\*STATE CODE [ 55 ]  
\*SHRP SECTION ID [ ALL ]

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

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

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

SHA CLASS	FHWA CLASSES												TOTAL
	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	
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
<b>TOTAL</b>	<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

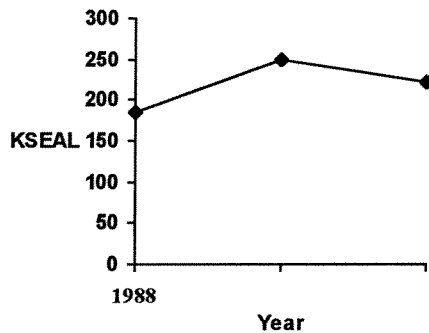
NAME OF PREPARER <u>John Williamson</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED <u>7-26-90</u>	

Agency ID:

Agency Name:

SHRP ID:

#### Historical Traffic Data



Year:	KESAL:	SRO:
1990	222	

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	25	16.3
3	GS	3.8	6.4
4	TB	3.8	3.4
5	PC	9.1	9.1