

SCANNED

W. FFF-0000

SHEET 1

LTPP TRAFFIC DATA

SUMMARY TRANSMITTAL FORM

*STATE ASSIGNED ID [3104]

*STATE CODE 55

*SHRP SECTION ID. [6354]

STATE OR PROVINCE Wisconsin COUNTY Iowa

HIGHWAY ROUTE NO. US-18 MILEPOST#

NEAREST CITY/TOWN 3 mi. E. of Ridgeway NEAREST INTERSECTION 8.8 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

FIPS COUNTY CODE 049 FHWA STATION IDENTIFICATION NO. D01

HPMS SAMPLE NO. 018E068810 HPMS SUBDIVISION NO. 0

TYPE OF PAVEMENT: AC _____ PCC ☒ OTHER _____

CONTROL OF ACCESS: YES X NO MEDIAN: YES X NO

CURRENT SURROUNDING DEVELOPMENT:

URBAN _____ SUBURBAN _____ RURAL X in Town of Ridgeway

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 JOHN WILLIAMSON PHONE # (608) 267-2939

DATE PREPARED _____

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [3104] *STATE CODE [55] *SHRP SECTION ID [6354]
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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	9563	1121	4381	619577	276.8226
1988	8690	1025	4006	456473	197.4207
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
FEB 1 2009

ENTERED APR 9 2009

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 [<u>3104</u>]</p> <p>*STATE CODE [<u>55</u>]</p> <p>*SHRP SECTION ID [<u>6354</u>]</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			4381	619	276.8
1988			4006	456	197.4
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 [3104]
*STATE CODE [55]
*SHRP SECTION ID [6354]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: line 1989 count by '88-'89 growth factor

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

AUG 06 2008

SHEET 3

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

*STATE ASSIGNED ID [3104]
*STATE CODE [55]
*SHRP SECTION ID [6354]

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 _____

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [3104] *STATE CODE [55] *SHRP SECTION ID [6354]
--	--

HIGHWAY ROUTE NO. (THIS COUNT) US 18
 MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile west of CTH 'T'
 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)	<u>4612</u>	<u>(1989 AADT)</u>
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>week factor</u>	<u>0.982</u>	<u>week 24 group 1</u>
E. OTHER FACTOR <u>(reciprocal of '88-'89 growth factor)</u>	<u>0.931</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4216</u>	<u>one way</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>1.000</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.950</u>	
6. AADT GPS LANE	<u>4006</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>[3104]</u> *STATE CODE <u>[55]</u> *SHRP SECTION ID <u>[6354]</u>
--	---

HIGHWAY ROUTE NO. (THIS COUNT) US 18/151
 MILEPOST# OR LOCATION (THIS COUNT) 1.0 mile west of CTH 'T'
 BEGINNING DATE 6-13-89 ENDING DATE 6-15-89
 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>5124</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>-----</u>	<u>on file as an average day</u>
B. AXLE CORRECTION FACTOR	<u>-----</u>	
C. DAY OF WEEK FACTOR	<u>-----</u>	
D. MONTH FACTOR	<u>-----</u>	<u>week 24</u>
E. OTHER FACTOR (<u>weekly</u>)	<u>0.900</u>	<u>group 3</u> <u>4782</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4612</u>	<u>oneway</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>-----</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.950</u>	
6. AADT GPS LANE	<u>4381</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 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. <u>Wisconsin Cars -</u>	_____	_____	_____
<u>Standard</u>	_____	_____	_____
B. <u>Wisconsin Cars -</u>	_____	_____	_____
<u>Small</u>	_____	_____	_____
C. <u>Out-of-State Cars -</u>	_____	_____	_____
<u>Standard</u>	_____	_____	_____
D. <u>Out-of-State Cars -</u>	_____	_____	_____
<u>Small</u>	_____	_____	_____
E. <u>Motorcycles</u>	_____	_____	_____
F. <u>Commercial Bus</u>	_____	_____	_____
G. <u>School Bus</u>	_____	_____	_____
H. <u>2P</u>	_____	_____	_____
I. <u>2S</u>	_____	_____	_____
J. <u>2D</u>	_____	_____	_____
K. <u>3 Axle Single Unit</u>	_____	_____	_____
L. <u>4 Axle or more</u>	_____	_____	_____
<u>Single Unit</u>	_____	_____	_____
M. <u>3 Axle Tractor -</u>	_____	_____	_____
<u>Semi-trailer</u>	_____	_____	_____
N. <u>4 Axle Tractor -</u>	_____	_____	_____
<u>Semi-trailer</u>	_____	_____	_____
O. <u>5 Axle Tractor -</u>	_____	_____	_____
<u>Semi-trailer</u>	_____	_____	_____
P. <u>6 Axle or more</u>	_____	_____	_____
<u>Tractor - Semi-trailer</u>	_____	_____	_____
Q. <u>3 Axle Truck and</u>	_____	_____	_____
<u>Trailer</u>	_____	_____	_____
R. <u>4 Axle Truck and</u>	_____	_____	_____
<u>Trailer</u>	_____	_____	_____
S. <u>5 Axle Truck and</u>	_____	_____	_____
<u>Trailer</u>	_____	_____	_____
T. <u>6 Axle or more Truck</u>	_____	_____	_____
<u>and Trailer</u>	_____	_____	_____

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>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	400	100	100	77	23	200	200	100	100	0	0	0	1300

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

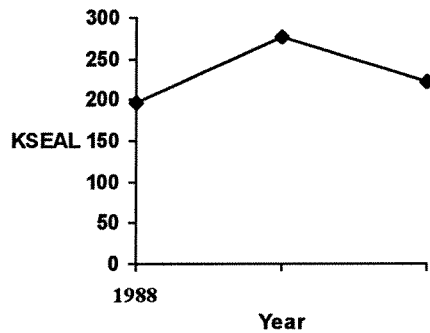
NAME OF PREPARER <u>John Williamson</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED <u>7-26-90</u>	

Agency ID: 55

SHRP ID: 6354

Agency Name: Wisconsin

Historical Traffic Data



Year:	KESAL:	SRO:
1990	222	

Permanent System WIM

Installation Date 6/1/91

Manufacturer International R

Model DD 200

Type Bending Plate

Site Location US-18 EB

MP or Station STA 799+96

Design KESAL 339

Level M

Number of Lanes 4

Lanes Monitored ?

Equipment Location PORT

Construction Event 1

Layer Number	Layer Type	Thickness0	Thickness5
1	SS		
2	GS	13.7	10.7
3	GS	4	3.9
4	TB	3.3	3.3
5	PC	9.6	9.6