

SCANNED

AUG 06 2008

W. Ridgeway

<p>SHEET 1</p> <p>LTPP TRAFFIC DATA</p> <p>SUMMARY TRANSMITTAL FORM</p>	*STATE ASSIGNED ID [3101]
	*STATE CODE [55]
	*SHRP SECTION ID [6351]

STATE OR PROVINCE Wisconsin COUNTY Iowa

HIGHWAY ROUTE NO. US-18 MILEPOST# _____

NEAREST CITY/TOWN 1.5 mi. S of Ridgeway NEAREST INTERSECTION 13 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. _____ 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 Ridgeway

HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?

YES _____ NO ☒

IF YES, DESCRIBE CHANGES New alignment constructed in 1988
bypasses cities and villages

EST LOG
10/26/01

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 _____	

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [3101]</p> <p>*STATE CODE [55]</p> <p>*SHRP SECTION ID [6351]</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	4344381	615577	274.8226
1988	8690	1025	39774006	453573	196.0207
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 2009

SCANNED

6 2019

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>3101</u>]</p> <p>*STATE CODE [<u>55</u>]</p> <p>*SHRP SECTION ID [<u>6351</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			4344	615	274.8
1988			3977	453	196.0
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 [3101]
*STATE CODE [55]
*SHRP SECTION ID [6351]

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: Guided ~~from~~ next year's count by
by growth factor between the
two years

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 _____

SCANNED

AUG 06 2008
BY *[Signature]*

SHEET 3

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

*STATE ASSIGNED ID [3101]
*STATE CODE [55]
*SHRP SECTION ID [6351]

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 [3101]
	*STATE CODE [55]
	*SHRP SECTION ID [6351]

HIGHWAY ROUTE NO. (THIS COUNT) US 18

MILEPOST# OR LOCATION (THIS COUNT) east of CTH 'BB' south

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 _____

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>4577</u>	(1989 AADT)
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. ^{week} MONTH FACTOR	<u>0.9823</u>	(1988 weekly adj factor applicable to week 24 Group 4 ②)
E. OTHER FACTOR ^{inverse of} growth _{in 1989.} ^{factor from count}	<u>0.9311</u>	(convert to 88 raw value ①)
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4185</u>	one way
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>1.000</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.950</u>	
6. AADT GPS LANE	<u>3977</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 [3101]
	*STATE CODE [55]
	*SHRP SECTION ID [6351]

HIGHWAY ROUTE NO. (THIS COUNT) US 18/151

MILEPOST# OR LOCATION (THIS COUNT) East of CTH 'BB' south

BEGINNING DATE 6-14-89 ENDING DATE 6-16-89

BEGINNING TIME NA ENDING TIME NA

COUNT DURATION 48 [X] HOURS [] DAYS [] MONTHS

TYPE OF COUNTER NA NAME/MODEL # NA

TYPE OF COUNT: TWO-WAY ONE DIRECTION ONLY X GPS TEST LANE ONLY

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>5086</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u> </u>	<i>on file as averaged values for each hour.</i>
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>0.900</u>	<i>Group 3 weeks 44</i>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>4577</u>	<i>1738 one way</i>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u> </u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>0.950</u>	
6. AADT GPS LANE	<u>4349</u>	

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. <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 7-26-90

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 (Sub compact) 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

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

<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>
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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

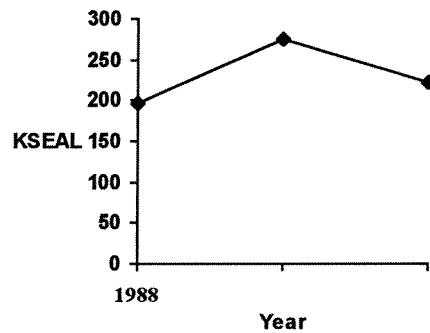
NAME OF PREPARER <u>John Williamson</u>	PHONE # <u>(608) 267-2939</u>
DATE PREPARED <u>7-26-90</u>	

Agency ID:

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	5.5	7.5
3	GB	4	3.5
4	PC	9.8	10.5