

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>900</u>] *STATE CODE [<u>27</u>] *SHRP SECTION ID [<u>6300</u>]
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SCANNED
 JUN 17 2008
 BY [Signature]

STATE OR PROVINCE MN COUNTY Nobles
 HIGHWAY ROUTE NO. I-90 MILEPOST# 34.31
 NEAREST CITY/TOWN 8 Mi. W. of Worthington NEAREST INTERSECTION 0.6 Mi. E CSAH 13
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
 DIRECTION OF TRAVEL GPS LANE WB DATE OPENED TO TRAF. - - - 86
 FIPS COUNTY CODE 105 FHWA STATION IDENTIFICATION NO. _____
 HPMS SAMPLE NO. 01153A0090AF HPMS SUBDIVISION NO. 1
 TYPE OF PAVEMENT: AC _____ PCC X OTHER _____
 CONTROL OF ACCESS: YES X NO _____ MEDIAN: YES X NO _____
 CURRENT SURROUNDING DEVELOPMENT:
 URBAN _____ SUBURBAN _____ RURAL X
 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 <u>Curtis Dahlin</u> DATE PREPARED <u>10-30-90</u>	PHONE # <u>(612) 296-6846</u>
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<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [<u>9001</u>]</p> <p>*STATE CODE [<u>27</u>]</p> <p>*SHRP SECTION ID [<u>6300</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	<u>4750</u>	<u>900</u>	<u>2140</u>	<u>400</u>	<u>209</u>
1988	<u>4450</u>	<u>850</u>	<u>2000</u>	<u>380</u>	<u>198</u>
1987	<u>4525</u>	<u>810</u>	<u>2040</u>	<u>360</u>	<u>188</u>
1986	<u>4600</u>	<u>770</u>	<u>2070</u>	<u>350</u>	<u>183</u>
1985					
1984					
1983					
1982					
1981					
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1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>10-30-90</u>	

**SHEET 2
LTPP TRAFFIC DATA**

**TRAFFIC VOLUMES
AND LOAD ESTIMATES**

*STATE ASSIGNED ID [9001]

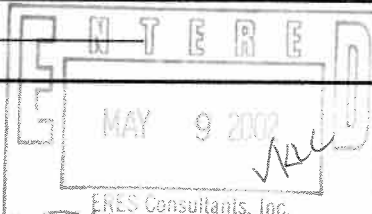
*STATE CODE [27]

*SURF SECTION ID [6300]

*YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*4. ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*5. ESTIMATED ESALS/YEAR LTPP LANE (1000'S)
1989					
1988					
1987					
1986					
1985	5500	900	2475	405	210
1984	6400	1040	2880	470	245
1983	6400	1070	2880	480	250
1982	6400	1100	2880	495	260
1981	6000	970	2700	435	225
1980	5600	840	2520	380	200
1979	6250	950	2810	430	225
1978	6900	1050	3100	470	245
1977	5700	900	2570	405	210
1976	4480	760	2020	340	175
1975	4890	745	2200	335	175
1974	5300	730	2385	330	170
1973	5200	715	2340	320	165
1972	5100	700	2300	315	165
1971	4300	590	1935	265	140
1970	3500	475	1575	215	110
1969	2600	350	1170	155	80
1968					
1967					
1966					
1965					

NAME OF PREPARER Curtis Dahlin
DATE PREPARED 3-18-02

PHONE # (651) 296-6846
Rev. March 12, 2001



<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [<u>9001</u>]</p> <p>*STATE CODE [<u>27</u>]</p> <p>*SHRP SECTION ID [<u>6300</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	<u>4750</u>	<u>900</u>	<u>2140</u>	<u>400</u>	<u>209</u>
1988	<u>4450</u>	<u>850</u>	<u>2000</u>	<u>380</u>	<u>198</u>
1987	<u>4525</u>	<u>810</u>	<u>2040</u>	<u>360</u>	<u>188</u>
1986	<u>4600</u>	<u>770</u>	<u>2070</u>	<u>350</u>	<u>183</u>
1985					
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1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>10-30-90</u>	

SHEET 3

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

*STATE ASSIGNED ID [9001]

*STATE CODE [22]

*SHRP SECTION ID [6300]

1. Year Applicable 86, 88

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: used est. developed for flow maps

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: used Total # Trucks r ave. ESAL Factors

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 Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-30-90

SHEET 3

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

*STATE ASSIGNED ID [9001]

*STATE CODE [27]

*SHRP SECTION ID [6300]

1. Year Applicable 87

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: interpolated even year counts

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: interpolated even year counts

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: used Total # Trucks + ave. ESAL Factors

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 Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-30-90

SHEET 3

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

*STATE ASSIGNED ID [9001]*STATE CODE [27]*SHRP SECTION ID [6300]1. Year Applicable 89

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: growth factored last year's est.

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: used Total # Trucks + ave. ESAL factors

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 Curtis DahlinPHONE # (612) 296-6846DATE PREPARED 10-30-90

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [<u>9001</u>]
	*STATE CODE [<u>27</u>]
	*SHRP SECTION ID [<u>6300</u>]

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST# OR LOCATION (THIS COUNT) MP42, W. of TH 266

BEGINNING DATE 9-20-88 ENDING DATE 9-22-88

BEGINNING TIME 0930 ENDING TIME 0930

COUNT DURATION 48 ☒ 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>11214</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>.50</u>
B. AXLE CORRECTION FACTOR		<u>.83</u>
C. DAY OF WEEK FACTOR		<u>-----</u>
D. MONTH FACTOR		<u>956</u>
E. OTHER FACTOR (<u>Seasonal factor</u>)		<u>-----</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>4450</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>.50</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>.90</u>
6. AADT GPS LANE		<u>2000</u>

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>10-30-90</u>	