

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>7032</u>]
	*STATE CODE [<u>27</u>]
	*SHRP SECTION ID [<u>7090</u>]

SCANNED
JUN 17 2008
BY [Signature]

STATE OR PROVINCE MN COUNTY Scott
HIGHWAY ROUTE NO. TH 169 MILEPOST# 86.99
NEAREST CITY/TOWN 3.5 Mi. S. Belle Plaine NEAREST INTERSECTION 0.5 Mi. S. CSAH 1
FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE SB DATE OPENED TO TRAF. - - - 83
FIPS COUNTY CODE 139 FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. mill HPMS SUBDIVISION NO. _____
TYPE OF PAVEMENT: AC X PCC _____ OTHER _____
CONTROL OF ACCESS: YES _____ NO X 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>	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 [7032]

*STATE CODE [27]

*SRP SECTION ID [7090]

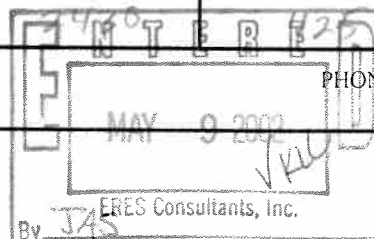
*YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	3. ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*4. ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*5. ESTIMATED ESALS/YEAR LTPP LANE (1000'S)
1989					
1988					
1987					
1986					
1985					
1984					
1983					
1982	9500	1560	4275	700	245
1981	9450	1600	4250	720	250
1980	9400	1650	4230	740	260
1979	9500	1650	4275	740	260
1978	9600	1650	4320	740	260
1977	9110	1460	4100	660	230
1976	8620	1270	3880	570	200
1975	8845	1280	3980	575	200
1974	9070	1290	4080	580	205
1973	8795	1300	3960	585	205
1972	8520	1300	3830	585	205
1971	8010	1225	3600	550	195
1970	7500	1155	3375	520	180
1969	7050	1300	3170	585	205
1968	6600	1450	2970	650	230
1967	6235	1235	2800	560	195
1966	5870	1020	2640	460	160
1965	5400	940			150

NAME OF PREPARER Curtis Dahlin

DATE PREPARED 3-15-02

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>7032</u>]</p> <p>*STATE CODE [<u>27</u>]</p> <p>*SHRP SECTION ID [<u>7090</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>10,100</u>	<u>1540</u>	<u>4550</u>	<u>700</u>	<u>243</u>
1988	<u>9600</u>	<u>1470</u>	<u>4320</u>	<u>660</u>	<u>229</u>
1987	<u>9200</u>	<u>1460</u>	<u>4140</u>	<u>660</u>	<u>229</u>
1986	<u>8800</u>	<u>1450</u>	<u>3960</u>	<u>650</u>	<u>225</u>
1985	<u>9400</u>	<u>1650</u>	<u>4230</u>	<u>740</u>	<u>257</u>
1984	<u>10,000</u>	<u>1840</u>	<u>4500</u>	<u>830</u>	<u>288</u>
1983	<u>9750</u>	<u>1700</u>	<u>4390</u>	<u>765</u>	<u>265</u>
1982	_____	_____	_____	_____	_____
1981	_____	_____	_____	_____	_____
1980	_____	_____	_____	_____	_____
1979	_____	_____	_____	_____	_____
1978	_____	_____	_____	_____	_____
1977	_____	_____	_____	_____	_____
1976	_____	_____	_____	_____	_____
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 [<u>7032</u>] *STATE CODE [<u>27</u>] *SHRP SECTION ID [<u>7090</u>]
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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>10,100</u>	<u>1540</u>	<u>4550</u>	<u>700</u>	<u>243</u>
1988	<u>9600</u>	<u>1470</u>	<u>4320</u>	<u>660</u>	<u>229</u>
1987	<u>9200</u>	<u>1460</u>	<u>4140</u>	<u>660</u>	<u>229</u>
1986	<u>8800</u>	<u>1450</u>	<u>3960</u>	<u>650</u>	<u>225</u>
1985	<u>9400</u>	<u>1650</u>	<u>4230</u>	<u>740</u>	<u>257</u>
1984	<u>10,000</u>	<u>1840</u>	<u>4500</u>	<u>830</u>	<u>288</u>
1983	<u>9750</u>	<u>1700</u>	<u>4390</u>	<u>765</u>	<u>265</u>
1982					
1981					
1980					
1979					
1978					
1977					
1976					
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 3

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

*STATE ASSIGNED ID [1134]

*STATE CODE [27]

*SHRP SECTION ID [1134]

1. Year Applicable 83, 84, 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 # of 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 [2030]

*STATE CODE [27]

*SHRP SECTION ID [2040]

1. Year Applicable

84, 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 # of 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 []

*STATE CODE [27]

*SHRP SECTION ID []

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: _____

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 Hot 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>7032</u>]
	*STATE CODE [<u>27</u>]
	*SHRP SECTION ID [<u>7090</u>]

HIGHWAY ROUTE NO. (THIS COUNT) TH 169

MILEPOST# OR LOCATION (THIS COUNT) MP 89, N. of TH 19

BEGINNING DATE 8-9-88 ENDING DATE 8-11-88

BEGINNING TIME 0900 ENDING TIME 0900

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>13,463</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		<u>1.00</u>
B. AXLE CORRECTION FACTOR		<u>.83</u>
C. DAY OF WEEK FACTOR		<u>----</u>
D. MONTH FACTOR		<u>----</u>
E. OTHER FACTOR (<u>Seasonal Factor</u>)		<u>----</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>10,280</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>----</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>----</u>
6. AADT GPS LANE		<u>9600</u>

adj. To Tie in
To rural counts.
This is the
rural-urban
boundary.

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>	

LTPP TRAFFIC DATA

LOG OF CHANGES AT GPS TEST
LOCATIONS WITH PERM. AVC OR WIM

*STATE ASSIGNED ID [7032]

*STATE CODE [27]

*SHRP SECTION ID [7090]

LOCATION Belle Plaine TYPE EQUIP. BP

MP # 86.40 MODEL # IRD

[illegible]

SHEET 14

*STATE ASSIGNED ID [7032]

*STATE CODE [27]

SHRP SECTION ID [7090]

MP # 86-40 MODEL # FRD

[illegible]

LOG OF CHANGES AT GPS TEST
LOCATIONS WITH PERM. AVC OR WIM

SHRP SECTION ID [7090]

MP # 86.1 MODEL # IRD

[illegible]