

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 27 ] *SHRP SECTION ID [ 0701 ]
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STATE OR PROVINCE MN COUNTY Clay  
 HIGHWAY ROUTE NO. I-94 MILEPOST# 24.04  
 NEAREST CITY/TOWN Moorhead NEAREST INTERSECTION TH 336  
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE EB DATE OPENED TO TRAF. - - - 70  
 FIPS COUNTY CODE \_\_\_\_\_ FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. \_\_\_\_\_ HPMS SUBDIVISION NO. \_\_\_\_\_  
 TYPE OF PAVEMENT: AC \_\_\_\_\_ PCC \_\_\_\_\_ OTHER Bonded overlay  
 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>12-22-95</u>	PHONE # <u>(612) 296-6846</u>
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<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 27 ] *SHRP SECTION ID [ 0701 ]
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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	8860	1630	3990	735	<del>557</del> 1198
1988	8170	1510	3675	680	<del>550</del> 1108
1987	7335	1365	3300	615	<del>461</del> 1002
1986	6500	1220	2925	550	<del>448</del> 897
1985	6725	1295	3025	580	<del>435</del> 945
1984	6950	1370	3125	615	1002
1983	6715	1315	3050	590	962
1982	6600	1260	2970	570	929
1981	6475	1245	2910	560	913
1980	6350	1230	2860	550	897
1979	6875	1365	3090	615	1002
1978	7400	1500	3330	675	1100
1977	6990	1380	3145	620	1011
1976	6575	1260	2960	570	929
1975	6070	1210	2730	545	888
1974	5560	1160	2500	520	848
1973	5430	1110	2440	500	815
1972	5300	1065	2385	480	782
1971	4900	815	2200	365	595
1970	4500	565	2025	255	416
1969 94	10,700	1950	4815	880	1434
1968 93	10,150	1870	4570	840	1369
1967 92	9600	1785	4320	800	1304
1966 91	9575	1770	4310	800	1304
1965 90	9550	1750	4300	790	1288

707  
sheet  
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NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>12-22-95</u>	

See the  
Excel sheet  
prepared for DAOPR-05  
compiled AI

## SHEET 3

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

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [27]

\*SHRP SECTION ID [070]

1. Year Applicable All Even Years,  
1970 - 1994

## 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. (Some Times)
- ☐ 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. (Often)
- ☐ 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 Curtis Dahlin PHONE # (612) 296-6846

DATE PREPARED 12-22-94

## SHEET 3

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

\*STATE ASSIGNED ID [ \_ \_ \_ \_ ]

\*STATE CODE [ 27 ]

\*SHRP SECTION ID [ 0701 ]

1. Year Applicable All Odd years,  
1971 - 1993

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

## 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 12-22-95

<b>SHEET 5</b>  <b>LTPP TRAFFIC DATA</b>  <b>VEHICLE CLASSIFICATION DATA</b> <b>FHWA 13-CLASS SYSTEM</b>	*STATE ASSIGNED ID [ _____ ]  *STATE CODE [ <u>27</u> ]  *SHRP SECTION ID [ <u>0701</u> ]
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HIGHWAY RT. NO. (THIS COUNT) I-94 MILEPOST# (THIS COUNT) \_\_\_\_\_  
 LOCATION (THIS COUNT) 0.1 Mi. E. TH 336 (formerly CSAH 11) FUNCTIONAL CLASS 01  
 BEGINNING DATE 6-20-93 ENDING DATE 6-27-93  
 BEGINNING TIME 00:00 ENDING TIME 00:00 DURATION (HRS) 168  
 TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 1  
 TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. X WIM PORT. \_\_\_\_\_  
 EQUIPMENT NAME / MODEL # IRD Bending Plate  
 TOTAL NO. OF VEHICLES CLASSIFIED 33,709 # TRUCKS 6136 % TRUCKS 22.5  
 NO. OF TRUCKS IN GPS LANE 6136 % OF TRUCKS IN GPS LANE —  
 VEHICLE CLASSIFICATION METHOD: FHWA X OTHER \_\_\_\_\_ # BINS \_\_\_\_\_

NOTE: IF THIS COUNT DOES NOT USE THE FHWA 13-BIN CLASSIFICATION SYSTEM USE SHEET 6. PLEASE  
 DESCRIBE ON AN ATTACHED PAGE THE VEHICLE CLASSIFICATION SYSTEM USED BY THE AGENCY AND  
 COMPLETE SHEET 7 DESCRIBING HOW THE SHA WOULD EXPAND OR COLLAPSE THE USER  
 CLASSIFICATION SYSTEM TO CORRESPOND WITH THE FHWA 13 CLASSES.

VEHICLE CLASSES	TOTAL NUMBER OF VEHICLES TWO-WAY	TOTAL NUMBER OF VEHICLES GPS DIRECTION	TOTAL NUMBER OF VEHICLES GPS LANE
1. FHWA CLASSES 1-3 (Cars, Motorcycles, Vans)	_____	_____	<u>26140</u>
2. FHWA CLASS 4 (Buses)	_____	_____	<u>164</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	<u>504</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	<u>147</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	<u>52</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	<u>187</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	<u>4646</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	<u>97</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	<u>273</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	<u>58</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	<u>8</u>
12. OTHER VEHICLES	_____	_____	<u>1433</u>
<b>GRAND TOTAL</b>	_____	_____	<u>33709</u>

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>(612) 296-6846</u>
DATE PREPARED <u>12-22-95</u>	