

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ <u>4026</u> ] *STATE CODE [ <u>27</u> ] *SHRP SECTION ID [ <u>4054</u> ]
-------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

STATE OR PROVINCE MN COUNTY Winona  
 HIGHWAY ROUTE NO. I-90 MILEPOST# MP 270.38  
 NEAREST CITY/TOWN 1 Mi. W. of Dakota NEAREST INTERSECTION 1 Mi. W. of TH 61  
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE WB DATE OPENED TO TRAF. - - -72  
 FIPS COUNTY CODE 169 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. 01185A00908u HPMS SUBDIVISION NO. 0  
 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 Doffin</u> DATE PREPARED <u>8-3-90</u>	PHONE # <u>612-296-6846</u>
----------------------------------------------------------------------	-----------------------------

<b>SHEET 2</b> <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [ <u>4026</u> ]  *STATE CODE [ <u>27</u> ]  *SHRP SECTION ID [ <u>4054</u> ]
-------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------

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	8230	1240	3705	560	309
1988	7700	1160	3465	520	287
1987	6650	1390	2990	625	344
1986	5600	1620	2520	730	402
1985	5950	1640	2675	740	408
1984	6300	1660	2835	750	413
1983	5900	1810	2655	815	449
1982	5500	1960	2475	880	485
1981	5300	1940	2385	875	482
1980	5100	1925	2295	865	477
1979	5000	1660	2250	750	413
1978	4900	1400	2205	630	345
1977	4420	1085	1990	490	266
1976	3940	770	1775	345	186
1975	3400	695	1530	315	168
1974	2860	620	1290	280	148
1973	3110	545	1400	245	129
1972	3355	470	1510	210	110
1971					
1970					
1969					
1968					
1967					
1966					
1965					

NAME OF PREPARER <u>Curtis Dallen</u>	PHONE # <u>296-6846</u>
DATE PREPARED <u>8-3-90</u>	

## SHEET 3

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

\*STATE ASSIGNED ID [4026]

\*STATE CODE [27]

\*SHRP SECTION ID [4054]

1. Year Applicable 72, 74, 76, 78, 80, 82,  
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: \_\_\_\_\_

## 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) 8  
☐ 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 DyllinPHONE # 296-6846DATE PREPARED 8-3-90

## SHEET 3

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

\*STATE ASSIGNED ID [4026]

\*STATE CODE [27]

\*SHRP SECTION ID [4054]

1. Year Applicable 73, 75, 77, 79, 81, 83,  
85, 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 data

## 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 data

## 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) 8  
☐ 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 DohlinPHONE # 296-6846DATE PREPARED 8-3-90

## SHEET 3

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

\*STATE ASSIGNED ID [4026]

\*STATE CODE [27]

\*SHRP SECTION ID [4054]

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 estimate

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) 8
- ☐ 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 Dyllin

PHONE #

796-6846

DATE PREPARED

8-3-90

<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ <u>4026</u> ]
	*STATE CODE [ <u>27</u> ]
	*SHRP SECTION ID [ <u>4054</u> ]

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST# OR LOCATION (THIS COUNT) MP 271 (Same Traffic Section as GPS Site)

BEGINNING DATE 5-24-88 ENDING DATE 5-26-88

BEGINNING TIME 0800 ENDING TIME 0800

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

TYPE OF COUNTER \_\_\_\_\_ NAME/MODEL # \_\_\_\_\_

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>19713</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>.500</u>	
B. AXLE CORRECTION FACTOR	<u>.790</u>	
C. DAY OF WEEK FACTOR	<u>-----</u>	
D. MONTH FACTOR	<u>985</u>	
E. OTHER FACTOR ( <u>Seasonal Factor</u> )	<u>.985</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>7670</u>	rounded To 7700
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.500</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>.900</u>	
6. AADT GPS LANE	<u>3465</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>Curtis Dyllin</u>	PHONE # <u>296-6846</u>
DATE PREPARED <u>8-3-90</u>	

## SHEET 5

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

\*STATE ASSIGNED ID [ 4026 ]

\*STATE CODE [ 27 ]

\*SHRP SECTION ID [ 4054 ]

HIGHWAY RT. NO. (THIS COUNT) I-90 MILEPOST# (THIS COUNT) 260LOCATION (THIS COUNT) 10 Mi. W. of GPS Site FUNCTIONAL CLASS 01BEGINNING DATE 73, 75, 77, 79, 81, 83, 85, 89 ENDING DATE \_\_\_\_\_BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_ DURATION (HRS) Failed To 24TYPE OF COUNT: MANUAL X AUTOMATED \_\_\_\_\_ NO. OF LANES COUNTED \_\_\_\_\_

TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. \_\_\_\_\_ WIM PERM. \_\_\_\_\_ WIM PORT. \_\_\_\_\_

EQUIPMENT NAME / MODEL # \_\_\_\_\_

TOTAL NO. OF VEHICLES CLASSIFIED \_\_\_\_\_ # TRUCKS \_\_\_\_\_ % TRUCKS \_\_\_\_\_

NO. OF TRUCKS IN GPS LANE \_\_\_\_\_ % OF TRUCKS IN GPS LANE \_\_\_\_\_

VEHICLE CLASSIFICATION METHOD: FHWA \_\_\_\_\_ OTHER X # 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)	_____	_____	_____
2. FHWA CLASS 4 (Buses)	_____	_____	_____
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	_____	_____	_____
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	_____	_____	_____
5. FHWA CLASS 7 (4 or more Axle SU Truck)	_____	_____	_____
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	_____	_____	_____
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	_____	_____	_____
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	_____	_____	_____
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	_____	_____	_____
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	_____	_____	_____
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	_____	_____	_____
12. OTHER VEHICLES	_____	_____	_____

## GRAND TOTAL

NAME OF PREPARER Curtis PaffinPHONE # 296-6846DATE PREPARED 8-3-90

**SHEET 6**  
**LTPP TRAFFIC DATA**  
**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]  
 \*STATE CODE [ 27 ]  
 \*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST # (THIS COUNT) 260

BEGINNING DATE 73 ENDING DATE 73

BEGINNING TIME 0600

ENDING TIME 2200

DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>2268</u>	<u>1134</u>	<u>1020</u>
B. <u>2 axle 6 tire</u>	<u>64</u>	<u>32</u>	<u>29</u>
C. <u>3 + 4 axle single unit</u>	<u>28</u>	<u>14</u>	<u>13</u>
D. <u>3 axle semis</u>	<u>14</u>	<u>7</u>	<u>6</u>
E. <u>4 axle semis</u>	<u>64</u>	<u>32</u>	<u>29</u>
F. <u>5 + axle semis</u>	<u>577</u>	<u>289</u>	<u>260</u>
G. <u>Buses + Truck Trailers</u>	<u>20</u>	<u>10</u>	<u>9</u>
H. <u>Twin Trailers</u>	<u>0</u>	<u>0</u>	<u>0</u>
I.			
J.			
K.			
L.			
M.			
N.			
O.			
P.			
Q.			
R.			
S.			
T.			

GRAND TOTAL align="right">3035 align="right">1518 align="right">1366

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
 DATE PREPARED 8-3-90



**SHEET 6**  
**LTPP TRAFFIC DATA**

**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]  
\*STATE CODE [ 27 ]  
\*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90 MILEPOST # (THIS COUNT) 260

BEGINNING DATE 75 ENDING DATE 75  
BEGINNING TIME 0600 ENDING TIME 2200 DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>2475</u>	<u>1238</u>	<u>1114</u>
B. <u>2 axle 6 tire</u>	<u>53</u>	<u>26</u>	<u>23</u>
C. <u>3+4 axle single unit</u>	<u>22</u>	<u>11</u>	<u>10</u>
D. <u>3 axle semis</u>	<u>13</u>	<u>7</u>	<u>6</u>
E. <u>4 axle semis</u>	<u>42</u>	<u>21</u>	<u>19</u>
F. <u>5+ axle semis</u>	<u>565</u>	<u>283</u>	<u>255</u>
G. <u>Buses + Truck Trailers</u>	<u>24</u>	<u>12</u>	<u>11</u>
H. <u>Twin Trailers</u>	<u>2</u>	<u>1</u>	<u>1</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____
<b>GRAND TOTAL</b>	<u>3196</u>	<u>1599</u>	<u>1439</u>

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
DATE PREPARED 8-3-90

<b>SHEET 6</b> <b>LTPP TRAFFIC DATA</b> <b>VEHICLE CLASSIFICATION DATA</b> <b>AGENCY DEFINED CLASSES</b>	*STATE ASSIGNED ID [ <u>4026</u> ] *STATE CODE [ <u>27</u> ] *SHRP SECTION ID [ <u>4054</u> ]
-------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90 MILEPOST # (THIS COUNT) 260  
 BEGINNING DATE 77 ENDING DATE 77  
 BEGINNING TIME 0600 ENDING TIME 2200 DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>2859</u>	<u>1430</u>	<u>1287</u>
B. <u>2 axle 6 tire</u>	<u>106</u>	<u>53</u>	<u>48</u>
C. <u>3+4 axle single unit</u>	<u>34</u>	<u>17</u>	<u>15</u>
D. <u>3 axle semis</u>	<u>15</u>	<u>8</u>	<u>7</u>
E. <u>4 axle semis</u>	<u>84</u>	<u>42</u>	<u>38</u>
F. <u>5+ axle semis</u>	<u>1033</u>	<u>517</u>	<u>465</u>
G. <u>Buses + Truck Trailers</u>	<u>17</u>	<u>9</u>	<u>8</u>
H. <u>Twin Trailers</u>	<u>2</u>	<u>1</u>	<u>1</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 4150 2077 1869

NAME OF PREPARER <u>Curtis Dahlin</u>	PHONE # <u>612-296-6846</u>
DATE PREPARED <u>8-3-90</u>	

**SHEET 6**  
**LTPP TRAFFIC DATA**

**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]

\*STATE CODE [ 27 ]

\*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST # (THIS COUNT) 260

BEGINNING DATE 79 ENDING DATE 79

BEGINNING TIME 0600 ENDING TIME 2200

DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>3674</u>	<u>1837</u>	<u>1653</u>
B. <u>2 axle 6 tire</u>	<u>123</u>	<u>62</u>	<u>56</u>
C. <u>3 + 4 axle single unit</u>	<u>69</u>	<u>35</u>	<u>32</u>
D. <u>3 axle semis</u>	<u>28</u>	<u>14</u>	<u>13</u>
E. <u>4 axle semis</u>	<u>56</u>	<u>28</u>	<u>25</u>
F. <u>5 + axle semis</u>	<u>1634</u>	<u>817</u>	<u>735</u>
G. <u>Buses + Truck Trailers</u>	<u>16</u>	<u>8</u>	<u>7</u>
H. <u>Twin Trailers</u>	<u>0</u>	<u>0</u>	<u>0</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 5600 2801 2521

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
DATE PREPARED 8-3-90

**SHEET 6**  
**LTPP TRAFFIC DATA**

**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]  
\*STATE CODE [ 27 ]  
\*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90 MILEPOST # (THIS COUNT) 260

BEGINNING DATE 81 ENDING DATE 81  
BEGINNING TIME 0600 ENDING TIME 2200 DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>3691</u>	<u>1846</u>	<u>1661</u>
B. <u>2 axle 6 tire</u>	<u>125</u>	<u>63</u>	<u>57</u>
C. <u>3+4 axle single unit</u>	<u>43</u>	<u>22</u>	<u>20</u>
D. <u>3 axle semis</u>	<u>19</u>	<u>10</u>	<u>9</u>
E. <u>4 axle semis</u>	<u>70</u>	<u>35</u>	<u>32</u>
F. <u>5+ axle semis</u>	<u>1600</u>	<u>800</u>	<u>720</u>
G. <u>Buses + Truck Trailers</u>	<u>50</u>	<u>25</u>	<u>23</u>
H. <u>Twin Trailers</u>	<u>2</u>	<u>1</u>	<u>1</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____
GRAND TOTAL	<u>5600</u>	<u>2802</u>	<u>2523</u>

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
DATE PREPARED 8-3-90

**SHEET 6**  
**LTPP TRAFFIC DATA**

**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]

\*STATE CODE [ 27 ]

\*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST # (THIS COUNT) 260

BEGINNING DATE 83 ENDING DATE 83

BEGINNING TIME 0600 ENDING TIME 2200

DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>4360</u>	<u>2180</u>	<u>1962</u>
B. <u>2 axle 6 tire</u>	<u>125</u>	<u>63</u>	<u>57</u>
C. <u>3 + 4 axle single unit</u>	<u>33</u>	<u>17</u>	<u>15</u>
D. <u>3 axle semis</u>	<u>32</u>	<u>16</u>	<u>14</u>
E. <u>4 axle semis</u>	<u>62</u>	<u>31</u>	<u>28</u>
F. <u>5 + axle semis</u>	<u>1188</u>	<u>594</u>	<u>535</u>
G. <u>Buses + Truck Trailers</u>	<u>42</u>	<u>21</u>	<u>19</u>
H. <u>Twin Trailers</u>	<u>8</u>	<u>4</u>	<u>4</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____

GRAND TOTAL 5850 2926 2634

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
DATE PREPARED 8-3-90

**SHEET 6**  
**LTPP TRAFFIC DATA**  
**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]  
 \*STATE CODE [ 27 ]  
 \*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90 MILEPOST # (THIS COUNT) 260

BEGINNING DATE 85 ENDING DATE 85 DURATION (HRS) 16 hrs. have been factored to 24 hrs.  
 BEGINNING TIME 0600 ENDING TIME 2200

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>Cars + pickups</u>	<u>4653</u>	<u>2327</u>	<u>2094</u>
B. <u>2 axle 6 tire</u>	<u>146</u>	<u>73</u>	<u>66</u>
C. <u>3 + 4 axle single unit</u>	<u>44</u>	<u>22</u>	<u>20</u>
D. <u>3 axle semis</u>	<u>16</u>	<u>8</u>	<u>7</u>
E. <u>4 axle semis</u>	<u>50</u>	<u>25</u>	<u>23</u>
F. <u>5 + axle semis</u>	<u>1536</u>	<u>768</u>	<u>691</u>
G. <u>Buses + Truck Trailers</u>	<u>42</u>	<u>21</u>	<u>19</u>
H. <u>Twin Trailers</u>	<u>13</u>	<u>7</u>	<u>6</u>
I. _____	_____	_____	_____
J. _____	_____	_____	_____
K. _____	_____	_____	_____
L. _____	_____	_____	_____
M. _____	_____	_____	_____
N. _____	_____	_____	_____
O. _____	_____	_____	_____
P. _____	_____	_____	_____
Q. _____	_____	_____	_____
R. _____	_____	_____	_____
S. _____	_____	_____	_____
T. _____	_____	_____	_____
GRAND TOTAL	<u>6500</u>	<u>3251</u>	<u>2926</u>

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
 DATE PREPARED 8-3-90

**SHEET 6**  
**LTPP TRAFFIC DATA**

**VEHICLE CLASSIFICATION DATA**  
**AGENCY DEFINED CLASSES**

\*STATE ASSIGNED ID [ 4026 ]  
\*STATE CODE [ 27 ]  
\*SHRP SECTION ID [ 4054 ]

FOR 4-BIN OR OTHER CLASSIFICATION SYSTEMS

HIGHWAY ROUTE NO. (THIS COUNT) I-90

MILEPOST # (THIS COUNT) 260

BEGINNING DATE 89 ENDING DATE 89

BEGINNING TIME 0600 ENDING TIME 2200

DURATION (HRS) 16 hrs. have been factored to 24 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>Cars + pickups</u>	<u>4831</u>	<u>2416</u>	<u>2174</u>
B. <u>2 axle 6 tire</u>	<u>130</u>	<u>65</u>	<u>59</u>
C. <u>3+4 axle single unit</u>	<u>20</u>	<u>10</u>	<u>9</u>
D. <u>3 axle semis</u>	<u>9</u>	<u>5</u>	<u>5</u>
E. <u>4 axle semis</u>	<u>31</u>	<u>16</u>	<u>14</u>
F. <u>5+ axle semis</u>	<u>1653</u>	<u>827</u>	<u>744</u>
G. <u>Buses + Truck Trailers</u>	<u>23</u>	<u>12</u>	<u>11</u>
H. <u>Twin Trailers</u>	<u>3</u>	<u>2</u>	<u>2</u>
I.			
J.			
K.			
L.			
M.			
N.			
O.			
P.			
Q.			
R.			
S.			
T.			

GRAND TOTAL 6700 3353 3018

NAME OF PREPARER Curtis Dahlin PHONE # 612-296-6846  
DATE PREPARED 8-3-90

**SHEET 7**  
**LTPP TRAFFIC DATA**  
**VEHICLE CLASSIFICATION**  
**CONVERSION CHART**

\*STATE ASSIGNED ID [ 4026 ]  
\*STATE CODE [ 27 ]  
\*SHRP SECTION ID [ 4054 ]

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 1960 TO 1989

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				90	10								100
D						100							100
E						100							100
F							96	4					100
G		50				5	40	5					100
H									94	6			100
I													
J													
K													
L													
M													
N													
O													
P													
Q													
R													
S													
T													
TOTAL													

NAME OF PREPARER Curtis Dahlin PHONE # 612-796-6846  
DATE PREPARED 8-3-90



**SHEET 14**

## LOG OF CHANGES AT GPS TEST

\*STATE CODE [ 27 ]

\*SHRP SECTION ID [ 4054 ]

LOCATION I 90 Winona, MN TYPE EQUIP. Bending Plate

MP # \_\_\_\_\_ MODEL # IRO[illegible]

**SHEET 14**

## LOG OF CHANGES AT GPS TEST

\*STATE CODE [27]

\*SHRP SECTION ID [ 4054 ]

LOCATION I 90 Winona, MN

TYPE EQUIP. Bending Plate

MP # \_\_\_\_\_

MODEL # 7RO

[illegible]