

SHEET 1 <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [0572] *STATE CODE [30] *SHRP SECTION ID [1001]
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STATE OR PROVINCE Montana COUNTY Judith Basin  
 HIGHWAY ROUTE NO. EAP 57 (US 87) MILEPOST# MP 23  
 NEAREST CITY/TOWN 10 mi. w. of Stanford NEAREST INTERSECTION 10 mi. w. of MT 80  
 FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2  
 DIRECTION OF TRAVEL GPS LANE WB DATE OPENED TO TRAF. 08-01-82  
 FIPS COUNTY CODE 45 FHWA STATION IDENTIFICATION NO. 01-01-83  
 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 ☒  
 HAS INTENSITY OF ROADSIDE DEVELOPMENT INCREASED OVER PAST 10 YEARS?  
 YES \_\_\_\_\_ NO ☒  
 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.

ENTERED

DEC 10 1991

By HV

NAME OF PREPARER <u>Phil Colbert</u>	PHONE # <u>(406) 444-6122</u>
DATE PREPARED <u>November 1990</u>	

ENTERED  
2/19/94

SHEET 2 <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUMES</b> <b>AND LOAD ESTIMATES</b>	*STATE ASSIGNED ID [0572] *STATE CODE [30] *SHRP SECTION ID [1001]
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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	1600	300	830	151	65
1988	1640	290	850	147	61
1987	1670	310	870	157	65
1986	1710	320	890	166	70
1985	1510	270	790	139	59
1984	1560	330	810	171	69
1983	1440	320	750	166	66
1982					
1981					
1980					
1979					
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1972					
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1968					
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1966					
1965					

**ENTERED**

NAME OF PREPARER _____	DEC 10 1991
DATE PREPARED _____	By <u>42</u>

**ENTERED**  
 2/19/91

## SHEET 3

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

\*STATE ASSIGNED ID 105721\*STATE CODE 1301\*SHRP SECTION ID 1100111. 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: ATR

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

ENTERED

DEC 10 1991

By LW

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_

ENTERED  
2/19/91

# AUTOMATIC RECORDER DATA BY MONTHS

Station A-4  
 Location US 87 - 1.7 miles E. of Geyser, M.P. 23

Year 1989

## FACTORS INFLUENCING THE TRAFFIC PATTERNS

Cars 37.8 %

Pickups 40.8 %

Commercial 19.1 %

MONTH	Average Daily Number of Vehicles									Percent the Average Day is of the Average Weekday	Percent the Month Daily Average is of the Year Daily Average
	Day of Week							Average Day	Average Weekday		
	SUN	MON	TUE	WED	THUR	FRI	SAT	Sunday thru Saturday	Monday thru Friday		
January	852	932	936	1055	1071	1091	982	980	1009	97.13	61.28
February	884	921	945	917	1024	1128	926	963	987	97.57	60.22
March	1154	1271	1206	1225	1336	1559	1158	1282	1326	96.68	80.17
April	1485	1453	1327	1410	1451	1843	1380	1475	1497	98.53	92.24
May	1655	1580	1491	1605	1698	2066	1602	1660	1671	99.34	103.81
June	1963	1808	1785	1864	1932	2329	1731	1930	1960	98.47	120.70
July	3011	2533	2265	2100	2137	2855	2089	2416	2376	101.68	151.09
August	1991	1910	2031	2308	2455	3122	2567	2333	2352	99.19	145.90
September	1695	1840	1640	1619	1690	2150	1714	1775	1805	98.34	111.00
October	1813	1667	1453	1658	1814	2196	1835	1764	1739	101.44	110.31
November	1614	1223	1291	1521	1458	1797	1577	1497	1461	102.46	93.62
December	865	1036	1313	1127	1071	1254	1164	1116	1165	95.79	69.79
Daily Average for Year	1582	1515	1474	1534	1595	1949	1560	1599	1612	99.19	

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

\*STATE ASSIGNED ID [0522]

\*STATE CODE [30]

\*SHRP SECTION ID [1001]

1. Year Applicable 1988-1983

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

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

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

*Average multiple monitorings  
43 miles east of GPS site*

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☒ Based on actual lane count data.
- ☐ System distribution factors.
- ☐ 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: \_\_\_\_\_

ENTERED

DEC 10 1991

By HWENTERED  
219191NAME OF PREPARER Phil ColbertPHONE # (406) 444-6122

DATE PREPARED \_\_\_\_\_

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID <u>[0572]</u> *STATE CODE <u>[30]</u> *SHRP SECTION ID <u>[1001]</u>
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HIGHWAY ROUTE NO. (THIS COUNT) FAH 57 (US 87)

MILEPOST# OR LOCATION (THIS COUNT) MP 18

BEGINNING DATE 6-22-88 ENDING DATE 6-24-88

BEGINNING TIME 9 A.M. ENDING TIME 8 A.M.

COUNT DURATION 47 [ ] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER Streater TCI NAME/MODEL # 141

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>4433</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>.500</u>	
B. AXLE CORRECTION FACTOR	<u>.862</u>	
C. DAY OF WEEK FACTOR	<u>.860</u>	
D. MONTH FACTOR	<u>.860</u>	
E. OTHER FACTOR (_____)	<u>----</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>1640</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.518</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>----</u>	
6. AADT GPS LANE	<u>850</u>	

ENTERED

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

APR 03 1992

By LW

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

ENTERED  
2/19/91

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [0572] *STATE CODE [30] *SHRP SECTION ID [1001]
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HIGHWAY ROUTE NO. (THIS COUNT) FRP 57 (4587)

MILEPOST# OR LOCATION (THIS COUNT) MP 18

BEGINNING DATE 4-15-87 ENDING DATE 4-17-87

BEGINNING TIME 9:30 A.M. ENDING TIME 8:50 A.M.

COUNT DURATION 47 [✓] HOURS [ ] DAYS [ ] MONTHS

TYPE OF COUNTER Streets TC II NAME/MODEL # 141

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

### ACTUAL COUNTS

#### ITEM

#### UNITS

1. TOTAL NO. OF VEHICLES (RAW COUNT) 4444

2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):

A. ADJUSTMENT TO 24-HOUR COUNT .500

**ENTERED** B. AXLE CORRECTION FACTOR .810

**APR 03 1992** C. DAY OF WEEK FACTOR ----

By W D. MONTH FACTOR .930

E. OTHER FACTOR ( ) ----

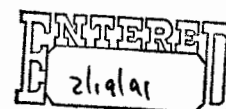
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT)  
(TWO-WAY) 1670

4. DIRECTIONAL DISTRIBUTION FACTOR .520

5. GPS LANE DISTRIBUTION FACTOR ----

6. AADT GPS LANE 870

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.



NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

## TRAFFIC VOLUME COUNTS

\*SHRP SECTION ID [1001]

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

UNITS

- |   |      |
|---|------|
| 1. TOTAL NO. OF VEHICLES (RAW COUNT)                | 5158 |
| 2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):      |      |
| A. ADJUSTMENT TO 24-HOUR COUNT                      | 500  |
| B. AXLE CORRECTION FACTOR                           | 820  |
| C. DAY OF WEEK FACTOR                               | ---  |
| D. MONTH FACTOR                                     | 810  |
| E. OTHER FACTOR (_____)                             | ---  |
| 3. ANNUAL AVERAGE DAILY TRAFFIC (AADT)<br>(TWO-WAY) | 1710 |
| 4. DIRECTIONAL DISTRIBUTION FACTOR                  | 520  |
| 5. GPS LANE DISTRIBUTION FACTOR                     | ---  |
| 6. AADT GPS LANE                                    | 890  |

ENTERED

APR 03 1992

By

W

**NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.**

ENTERED  
2/9/91

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

DATE PREPARED \_\_\_\_\_



<b>SHEET 4</b>  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [0572] *STATE CODE [30] *SHRP SECTION ID [1001]
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HIGHWAY ROUTE NO. (THIS COUNT) EAP 57 (US 87)

MILEPOST# OR LOCATION (THIS COUNT) MP 18

BEGINNING DATE \_\_\_\_\_ ENDING DATE \_\_\_\_\_

BEGINNING TIME \_\_\_\_\_ ENDING TIME \_\_\_\_\_

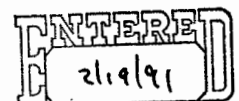
COUNT DURATION \_\_\_\_\_ [ ] HOURS [ ] DAYS [ ] MONTHS

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

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

<u>ITEM</u>	<u>ACTUAL COUNTS</u>	<u>UNITS</u>
1. TOTAL NO. OF VEHICLES (RAW COUNT)	-----	<i>Info not available</i>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		<i>for years 1985-1983 - 1989-</i>
A. ADJUSTMENT TO 24-HOUR COUNT	-----	
B. AXLE CORRECTION FACTOR	-----	
C. DAY OF WEEK FACTOR	-----	
D. MONTH FACTOR	-----	
E. OTHER FACTOR (_____)	-----	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	-----	
4. DIRECTIONAL DISTRIBUTION FACTOR	-----	
5. GPS LANE DISTRIBUTION FACTOR	-----	
6. AADT GPS LANE	-----	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.



NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	