

SHEET 1  LTPP TRAFFIC DATA  SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [0144] *STATE CODE [30] *SHRP SECTION ID [8129]
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STATE OR PROVINCE Montana COUNTY Wheatland  
 HIGHWAY ROUTE NO. FRP 14 (US 12) MILEPOST# 137  
 NEAREST CITY/TOWN 7 mi. E. of Ryegate NEAREST INTERSECTION 30 mi. W. of MT 3  
 FUNCTIONAL CLASS 2 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2  
 DIRECTION OF TRAVEL GPS LANE E.B. DATE OPENED TO TRAF. 6-17-88  
 FIPS COUNTY CODE 107 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 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.

MAR 07 1991

By \_\_\_\_\_

NAME OF PREPARER <u>Phil Colbert</u> DATE PREPARED <u>12/10/90</u>	PHONE # <u>(406) 444-6122</u>
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<p>SHEET 2</p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [0144]</p> <p>*STATE CODE [30]</p> <p>*SHRP SECTION ID [0129]</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	1030	180	520	97	45
1988	1040	180	530	90	22 (192 days)
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

ENTERED

MAR 07 1991

By \_\_\_\_\_

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

## SHEET 3

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

\*STATE ASSIGNED ID [0244]

\*STATE CODE [30]

\*SHRP SECTION ID [8129]

1. 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: ave. of multiple speed/count  
26 mi. W. of GPS site

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

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

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

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

ENTERED

DEC 10 1991

By 42

ENTERED

MAR 07 1991

By \_\_\_\_\_

NAME OF PREPARER Phil ColbertPHONE # (406) 444-6122DATE PREPARED 12/10/90

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

\*STATE ASSIGNED ID [0144]

\*STATE CODE [30]

\*SHRP SECTION ID [8125]

1. Year Applicable Jul/Dec. 1988

## 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: ave. of multiple speed/count  
26 mi. W. of GPS site

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

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

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

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

ENTERED

DEC 10 1991

By LD

ENTERED

MAR 07 1991

By \_\_\_\_\_

NAME OF PREPARER \_\_\_\_\_

PHONE # \_\_\_\_\_

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

SHEET 4  <b>LTPP TRAFFIC DATA</b>  <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [0244] *STATE CODE [30] *SHRP SECTION ID [8125]
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HIGHWAY ROUTE NO. (THIS COUNT) FAP 14 (4512)

MILEPOST# OR LOCATION (THIS COUNT) 107

BEGINNING DATE 10-17-89 ENDING DATE 10-19-89

BEGINNING TIME 1:05 p.m. ENDING TIME 2:10 p.m.

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

TYPE OF COUNTER Streater TC-2 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)	<u>1028</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):	
A. ADJUSTMENT TO 24-HOUR COUNT	<u>.520</u>
B. AXLE CORRECTION FACTOR	<u>---</u>
C. DAY OF WEEK FACTOR	<u>---</u>
D. MONTH FACTOR	<u>---</u>
E. OTHER FACTOR ( )	<u>.920</u>
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>520</u>
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>1.0</u>
5. GPS LANE DISTRIBUTION FACTOR	<u>1.0</u>
6. AADT GPS LANE	<u>520</u>

ENTERED  
APR 09 1992  
By [Signature]

BY  
4/20/90

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

**ENTERED**  
**MAR 07 1991**

NAME OF PREPARER <u>Phil Colbert</u>	By <u>[Signature]</u>
DATE PREPARED <u>12/10/90</u>	PHONE <u>(406) 444-6122</u>

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [0144] *STATE CODE [30] *SHRP SECTION ID [8122]
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HIGHWAY ROUTE NO. (THIS COUNT) FRP 14 (US 12)

MILEPOST# OR LOCATION (THIS COUNT) 102

BEGINNING DATE 2-27-89 ENDING DATE 2-29-89

BEGINNING TIME 10:55 a.m. ENDING TIME 11:10 a.m.

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

TYPE OF COUNTER Streeter TC-2 NAME/MODEL # 141

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)	225	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	520	
B. AXLE CORRECTION FACTOR	---	
C. DAY OF WEEK FACTOR	---	
D. MONTH FACTOR	1.440	
E. OTHER FACTOR (_____)	---	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	520	
4. DIRECTIONAL DISTRIBUTION FACTOR	1.0	
5. GPS LANE DISTRIBUTION FACTOR	1.0	
6. AADT GPS LANE	520	

ENTERED

APR 09 1992

By LD

VY  
1/26/00

ENTERED

MAR 07 1991

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

ENTERED

DEC 10 1991

By Phil Colbert PHONE # (406) 444-6722  
 DATE PREPARED 12/10/90

By LD

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [0144] *STATE CODE [30] *SHRP SECTION ID [8129]
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HIGHWAY ROUTE NO. (THIS COUNT) FRP 14 (US 12)

MILEPOST# OR LOCATION (THIS COUNT) 107

BEGINNING DATE 9-6-88 ENDING DATE 9-9-88

BEGINNING TIME 11:15 a.m. ENDING TIME 9:10 a.m.

COUNT DURATION 28 3 [X] HOURS [X] DAYS [ ] MONTHS

TYPE OF COUNTER Streeter TC 2 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>1647</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>.333</u>	
B. AXLE CORRECTION FACTOR	<u>.---</u>	
C. DAY OF WEEK FACTOR	<u>.---</u>	
D. MONTH FACTOR	<u>.950</u>	
E. OTHER FACTOR ( <u>                    </u> )	<u>.---</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>520</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>1.0</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>1.0</u>	
6. AADT GPS LANE	<u>520</u>	

✓  
4/24/92

ENTERED  
APR 09 1992  
By                     

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

ENTERED  
MAR 07 1991

NAME OF PREPARER <u>Phil Colbert</u>	PHONE BY <u>(406) 494-6122</u>
DATE PREPARED <u>12/10/90</u>	