

SHEET 1 <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 0 8 ] *SHRP SECTION ID [ 7 7 7 6 ]
--	---

STATE OR PROVINCE COLORADO COUNTY ADAMS  
 HIGHWAY ROUTE NO. I 70 MILEPOST# 290.3  
 NEAREST CITY/TOWN DENVER NEAREST INTERSECTION 2.1 MI. E/O SH 40  
 FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE E DATE OPENED TO TRAF. 08-01-88  
 FIPS COUNTY CODE 001 FHWA STATION IDENTIFICATION NO. \_\_\_\_\_  
 HPMS SAMPLE NO. 005-0062-070 HPMS SUBDIVISION NO. \_\_\_\_\_  
 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~~ **LOCATION OF**  
 EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, ~~OR WEIGHT~~ **OR WEIGHT**  
 STATION RELATIVE TO THIS GPS TEST SECTION. By LLV

NAME OF PREPARER <u>BOB TENNEY</u> DATE PREPARED <u>28 DEC 90</u>	PHONE # <u>303-757-9489</u> <div style="border: 1px solid black; padding: 2px; display: inline-block;">           ENTERED            2/6/91         </div>
--	---

<p><b>SHEET 2</b></p> <p><b>LTPP TRAFFIC DATA</b></p> <p><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID [ _ _ _ _ ]</p> <p>*STATE CODE [ 08 ]</p> <p>*SHRP SECTION ID [ 7776 ]</p>
--	--

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) <small>USED RIGID EQUIVALENCES</small>
1989	12400	2630	5580	1184	604
1988	11500	2300	5175	1035	482
1987					
1986					
1985					
1984					
1983					
1982					
1981					
1980					
1979					
1978					
1977					
1976					
1975					
1974					
1973					
1972					
1971					
1970					
1969					
1968					
1967					
1966					
1965					

**ENTERED**

**DEC 10 1991**

By WJ

NAME OF PREPARER <u>BOB TENNEY</u>	PHONE # <u>303-757-9489</u>
DATE PREPARED <u>28 DEC 90</u>	

**ENTERED**  
DEC 21 1991

SHEET <sup>3</sup>**LTPP TRAFFIC DATA  
PROCEDURES FOR ESTIMATING  
ANNUAL AVERAGE VOLUMES AND  
TOTAL ANNUAL ESALS**

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

\*STATE CODE [ 08 ]

\*SHRP SECTION ID [ 1776 ]

1. Year Applicable 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: \_\_\_\_\_

**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) 3
- ☐ 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 WJ

NAME OF PREPARER BOB TENNEYPHONE # 303-757-9489DATE PREPARED 28 DEC 90

ENTERED  
2/6/91

<b>SHEET 4</b> <b>LTPP TRAFFIC DATA</b> <b>TRAFFIC VOLUME COUNTS</b>	*STATE ASSIGNED ID [ _ _ _ _ ] *STATE CODE [ 08 ] *SHRP SECTION ID [ 7776 ]
--	---

HIGHWAY ROUTE NO. (THIS COUNT) I 70  
 MILEPOST# OR LOCATION (THIS COUNT) 291.2  
 BEGINNING DATE 5-11-88 ENDING DATE 5-13-88  
 BEGINNING TIME 1300 ENDING TIME 1200  
 COUNT DURATION 47 [X] HOURS [ ] DAYS [ ] MONTHS  
 TYPE OF COUNTER GOLDEN RIVER NAME/MODEL # MARKSMAN 330  
 TYPE OF COUNT: TWO-WAY X 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>023261</u>
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT		AVERAGE FOR EACH HOUR *SUM = 11954 . . . . .
B. AXLE CORRECTION FACTOR		<u>1.00</u> (LOOP)
C. DAY OF WEEK FACTOR		. . . . .
D. MONTH FACTOR		. . . . .
E. OTHER FACTOR ( <u>WEEKLY</u> )	<u>0.96</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)		<u>011500</u>
4. DIRECTIONAL DISTRIBUTION FACTOR		<u>0.500</u>
5. GPS LANE DISTRIBUTION FACTOR		<u>0.90</u>
6. AADT GPS LANE		<u>005175</u>

**ENTERED**  
**APR 09 1992**  
 By WJ

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>BOB TENNEY</u> DATE PREPARED <u>28 DEC 90</u>	PHONE # <u>303-757-9489</u> <div style="text-align: center;"> <b>ENTERED</b>  <u>2/6/91</u> </div>
--	---

SHEET <sup>5</sup>

## LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA  
FHWA 13-CLASS SYSTEM

\*STATE SIGNED ID [ ]

\*STATE CODE [08]

\*SHRP SECTION ID [77.76]

HIGHWAY RT. NO. (THIS COUNT) I 70 MILEPOST# (THIS COUNT) 291.2LOCATION (THIS COUNT) I 70 2.1 MI E/O SH 40 FUNCTIONAL CLASS 01BEGINNING DATE 5-11-88 ENDING DATE 5-13-88BEGINNING TIME 1300 ENDING TIME 1200 DURATION (HRS) 47TYPE OF COUNT: MANUAL \_\_\_\_\_ AUTOMATED X NO. OF LANES COUNTED 4TYPE OF EQUIP.: AVC PERM. \_\_\_\_\_ AVC PORT. X WIM PERM. \_\_\_\_\_ WIM PORT. \_\_\_\_\_EQUIPMENT NAME / MODEL # GOLDEN RIVER MARKSMAN 330TOTAL NO. OF VEHICLES CLASSIFIED 11500 # TRUCKS 2300 % TRUCKS 20NO. OF TRUCKS IN GPS LANE 1035 % OF TRUCKS IN GPS LANE 20VEHICLE CLASSIFICATION METHOD: FHWA \_\_\_\_\_ OTHER X # BINS 3

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>009200</u>	<u>004600</u>	<u>004140</u>
2. FHWA CLASS 4 (Buses)	<u>000000</u>	<u>000000</u>	<u>000000</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>000420</u>	<u>000210</u>	<u>000189</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>000280</u>	<u>000140</u>	<u>000126</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>000000</u>	<u>000000</u>	<u>000000</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>000128</u>	<u>000064</u>	<u>000058</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>001312</u>	<u>000656</u>	<u>000591</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>000032</u>	<u>000016</u>	<u>000014</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>000096</u>	<u>000048</u>	<u>000043</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>000032</u>	<u>000016</u>	<u>000014</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>000000</u>	<u>000000</u>	<u>000000</u>
12. OTHER VEHICLES	<u>000000</u>	<u>000000</u>	<u>000000</u>
GRAND TOTAL	<u>011500</u>	<u>005750</u>	<u>005175</u>

NAME OF PREPARER BOB TENNEY ENTERED PHONE # 303-757-9489 ENTEREDDATE PREPARED 28 DEC 90

AUG 16 1991

APR 09 1992

By \_\_\_\_\_

ENTERED  
2/6/91

REV

UN

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

\*STATE ASSIGNED ID [ \_\_\_\_\_ ]  
 \*STATE CODE [ 08 ]  
 \*SHRP SECTION ID [ 7776 ]

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 5-11-88 TO 5-13-88

FHWA CLASSES													
SHA CLASS	1-3	4	5	6	7	8	9	10	11	12	13	OTHER	TOTAL
A	<u>100%</u>												<u>100</u>
B		<u>0</u>	<u>60</u>	<u>40</u>	<u>0</u>								<u>100</u>
C						<u>8</u>	<u>82</u>	<u>2</u>	<u>6</u>	<u>2</u>	<u>0</u>		<u>100</u>
D													
E													
F													
G													
H													
I													
J													
K													
L													
M													
N													
O													
P													
Q													
R													
S													
T													
TOTAL													

NAME OF PREPARER BOB TENNEY ENTER PHONE # 303-757-9489

DATE PREPARED 28 DEC 90

APR 09 1992

By 110

D. 110

