

SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM	*STATE ASSIGNED ID [3482]
	*STATE CODE [53]
	*SHRP SECTION ID [7409]

STATE OR PROVINCE WA COUNTY YAKIMA
HIGHWAY ROUTE NO. 82 MILEPOST# 48.90-49.20 EB
NEAREST CITY/TOWN BUENA NEAREST INTERSECTION 1 mi W/O JCT SR 22
FUNCTIONAL CLASS 1 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE EB DATE OPENED TO TRAF. 12-01-81
FIPS COUNTY CODE 39 FHWA STATION IDENTIFICATION NO. —
HPMS SAMPLE NO. 608 239 044 040 HPMS SUBDIVISION NO. 6

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 X NO —
IF YES, DESCRIBE CHANGES SEE NOTE ATTACHED

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

ENTERED DEC 06 1991 STATION RELATIVE TO THIS GPS TEST SECTION. ENTERED MAR 12 1991
By LLD By —

NAME OF PREPARER <u>BARBARA HERTZOG</u>	PHONE # <u>(206) 753-1422</u>
DATE PREPARED <u>12-12-90</u>	SCAN: <u>234-1422</u>

SHEET 2

LTPP TRAFFIC DATA

TRAFFIC VOLUMES
AND LOAD ESTIMATES

*STATE ASSIGNED ID [3482]

*STATE CODE [53]

*SHRP SECTION ID [7402]

YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	% Trucks	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY) ① * % Trucks	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE ① * .498 * .773	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE ③ * .180	5. ESTIMATED ESAL'S/YR GPS LANE (1000's)
1990	14724	16%	2356	5668	1110	475.6
1989	14600		2336	5620	1012	426.7
1988	13900		2224	5350	963	399.4
1987	12800		2048	4930	887	361.8
1986	11610	10%	1161	4470	805	322.9
1985	8110		811	3120	562	221.5
1984	8030		803	3090	556	215.4
1983	7770		777	2990	538	204.7
1982	7940		794	3060	550	205.5
1981	5810		581	2240	402	147.4
1980						
1979						
1978						
1977						
1976						
1975						
1974						
1973						
1972						
1971						
1970						
1969	ENTERED			ENTERED		
1968	DEC 06 1991			MAR 12 1991		
1967	By LLV			By		
1966						
1965						

NAME OF PREPARER BARBARA HEATZOG

PHONE (206) 753-1422

DATE PREPARED 12-12-90

SCAN: 234-1422

SHEET 3

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

*STATE ASSIGNED ID [3482]

*STATE CODE [53]

*SHRP SECTION ID [7409]

1. Year Applicable 81-90

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.
- 81-90 ☒ 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.
- 81-90 ☒ 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.
- 81-90 ☒ Other: RATIO from 1990 count
at MP 40.87

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- 81-90 ☒ Other: RATIO FROM 1990
AT MP 40.87

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

ENTERED DEC 06 1991

MAR 12 1991 By LLV

By _____

NAME OF PREPARER BARBARA HEATZOGPHONE # (204) 753-1422DATE PREPARED 12-12-90

SCAN: 234-1422

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID <u>[3482]</u>
	*STATE CODE <u>[53]</u>
	*SHRP SECTION ID <u>[7409]</u>

HIGHWAY ROUTE NO. (THIS COUNT) I - 82

MILEPOST# OR LOCATION (THIS COUNT) 40.87

BEGINNING DATE 7-10-90 ENDING DATE 7-10-90

BEGINNING TIME 00 ENDING TIME 00

COUNT DURATION 24 ☒ HOURS [] DAYS [] MONTHS

TYPE OF COUNTER GK NAME/MODEL # 6006

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

Can't
Enter
This
Year
as
Historic!

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	<u>16004</u>	
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
A. ADJUSTMENT TO 24-HOUR COUNT	<u>---</u>	
B. AXLE CORRECTION FACTOR	<u>---</u>	
C. DAY OF WEEK FACTOR	<u>---</u>	
D. MONTH FACTOR * DW	<u>920</u>	
E. OTHER FACTOR ()	<u>---</u>	
3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY)	<u>14224</u>	
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>428</u>	
5. GPS LANE DISTRIBUTION FACTOR	<u>773</u>	
6. AADT GPS LANE	<u>5668</u>	

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

NAME OF PREPARER <u>BARBARA HERTZOG</u>	PHONE # <u>(206) 753-1422</u>
DATE PREPARED <u>12-12-90</u>	SCAN: <u>234-1422</u>

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [3482]

*STATE CODE [53]

*SHRP SECTION ID [7409]

HIGHWAY RT. NO. (THIS COUNT) 82 MILEPOST# (THIS COUNT) 40.87LOCATION (THIS COUNT) 2 mi S/O Jct SR97 FUNCTIONAL CLASS 1BEGINNING DATE 7-10-90 ENDING DATE 7-10-90BEGINNING TIME 00 ENDING TIME 00 DURATION (HRS) 24TYPE OF COUNT: MANUAL AUTOMATED X NO. OF LANES COUNTED TYPE OF EQUIP.: AVC PERM. AVC PORT. X WIM PERM. WIM PORT. EQUIPMENT NAME / MODEL # GN 6000TOTAL NO. OF VEHICLES CLASSIFIED 16004 # TRUCKS 2416 % TRUCKS 15.1NO. OF TRUCKS IN GPS LANE ~~1210~~ % OF TRUCKS IN GPS LANE 18.0VEHICLE 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>13588</u>	<u>6764</u>	<u>5056</u>
2. FHWA CLASS 4 (Buses)	<u>37</u>	<u>21</u>	<u>18</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>471</u>	<u>242</u>	<u>213</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>113</u>	<u>64</u>	<u>61</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>24</u>	<u>9</u>	<u>9</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>196</u>	<u>95</u>	<u>85</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>1122</u>	<u>570</u>	<u>524</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>44</u>	<u>24</u>	<u>20</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>48</u>	<u>17</u>	<u>16</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>56</u>	<u>29</u>	<u>28</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>294</u>	<u>132</u>	<u>136</u>
12. OTHER VEHICLES	<u> </u>	<u> </u>	<u> </u>
GRAND TOTAL	<u>16004</u>	<u>7974</u>	<u>6166</u>

This count is
8 miles away,
but percent of
volumes should
be good -
Rural area.

NAME OF PREPARER BARBARA HEATZOGPHONE # (206) 753-1422DATE PREPARED 12-12-90

SCAN: 234-1422

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [3402]

*STATE CODE [53]

*SHRP SECTION ID [7409]

HIGHWAY RT. NO. (THIS COUNT) 82 MILEPOST# (THIS COUNT) 40.87
2 mi S/O Jct SR97
 LOCATION (THIS COUNT) 8 mi W/O SHRP FUNCTIONAL CLASS 1
 BEGINNING DATE 7-10-90 ENDING DATE 7-10-90
 BEGINNING TIME 00 ENDING TIME 00 DURATION (HRS) 24

TYPE OF COUNT: MANUAL _____ AUTOMATED X NO. OF LANES COUNTED _____TYPE OF EQUIP.: AVC PERM. _____ AVC PORT. X WIM PERM. _____ WIM PORT. _____EQUIPMENT NAME / MODEL # GR 6000TOTAL NO. OF VEHICLES CLASSIFIED 16004 # TRUCKS 2416 % TRUCKS 15.1NO. OF TRUCKS IN GPS LANE 1710 % OF TRUCKS IN GPS LANE 18.0 ←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>13588</u>	<u>6764</u>	<u>5056</u>
2. FHWA CLASS 4 (Buses)	<u>37</u>	<u>21</u>	<u>18</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>471</u>	<u>242</u>	<u>213</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>113</u>	<u>64</u>	<u>61</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>29</u>	<u>9</u>	<u>9</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>196</u>	<u>95</u>	<u>85</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>1122</u>	<u>570</u>	<u>524</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>44</u>	<u>24</u>	<u>20</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>48</u>	<u>17</u>	<u>16</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>56</u>	<u>29</u>	<u>28</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>294</u>	<u>132</u>	<u>136</u>
12. OTHER VEHICLES	<u>-</u>	<u>-</u>	<u>-</u>
GRAND TOTAL	<u>16004</u>	<u>7974</u>	<u>6166</u>

This count is
 8 miles away,
 but percent of
 volumes should
 be good -
 Rurid area.

301 50
 $\frac{301}{6166} \times 100 = 4.88\%$

10.2%
 $\frac{629}{6166} = 10.2\%$

2.92%
 $\frac{180}{6166} = 2.92\%$

NAME OF PREPARER BARBARA HEATZOGPHONE # (206) 753-1422

DATE PREPARED _____

SCAN: 234-1422