

| | |
|--|---------------------------|
| SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM | *STATE ASSIGNED ID [1221] |
| | *STATE CODE [53] |
| | *SHRP SECTION ID [1007] |

STATE OR PROVINCE WA COUNTY BENTON
 HIGHWAY ROUTE NO. SR 221 MILEPOST# 7.70 - 8.00 NB
 NEAREST CITY/TOWN PATERSON NEAREST INTERSECTION 8 mi N/O JCT SR 14
 FUNCTIONAL CLASS 6 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2
 DIRECTION OF TRAVEL GPS LANE NB DATE OPENED TO TRAF. 10-01-83
 FIPS COUNTY CODE 3 FHWA STATION IDENTIFICATION NO. —
 HPMS SAMPLE NO. 622 103 007 480 HPMS SUBDIVISION NO. 0
 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 SEE NOTES ATTACHED.

NOTE: ATTACH ALL RELATED FORMS AND COUNT DATA AND SUBMIT TO THE

SHRP REGIONAL OFFICE. ATTACH MAP INDICATING THE LOCATION OF

ENTERED
 EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT
 DEC 06 1991 STATION RELATIVE TO THIS GPS TEST SECTION.

By AD

ENTERED

MAR 12 1991

By —

| | |
|---|-----------------------------|
| NAME OF PREPARER <u>BARBARA HEATZOG</u> | PHONE <u>(206) 753-1422</u> |
| DATE PREPARED <u>12-18-90</u> | SCAN: <u>234-1422</u> |

SHEET 2

LTPP TRAFFIC DATA

TRAFFIC VOLUMES
AND LOAD ESTIMATES

*STATE ASSIGNED ID [1221]

*STATE CODE [53]

*SHRP SECTION ID [1007]

| YEAR | 1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY) <i>of trucks</i> | 2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY) <i>① * 70 Trucks</i> | 3. ESTIMATED TOTAL VEHICLES AADT GPS LANE <i>① * .479</i> | 4. ESTIMATED TOTAL TRUCKS AADT GPS LANE <i>③ * 70 trucks</i> | 5. ESTIMATED ESAL'S/YR GPS LANE (1000's) |
|------|--|---|--|---|--|
| 1989 | 1273 | 381 | 610 | 182 | 76.7 |
| 1988 | 1231 | 369 | 590 | 177 | 73.4 |
| 1987 | 1200 | 360 | 570 | 172 | 70.2 |
| 1986 | 1880 | 413 | 900 | 198 | 79.4 |
| 1985 | 1880 | 413 | 900 | 198 | 78.1 |
| 1984 | 1880 | 413 | 900 | 198 | 76.7 |
| 1983 | 1800 | 396 | 860 | 190 | 72.3 |
| 1982 | 1430 | 314 | 680 | 150 | 56.0 |
| 1981 | | | | | |
| 1980 | | | | | |
| 1979 | | | | | |
| 1978 | | | | | |
| 1977 | | | | | |
| 1976 | | | | | |
| 1975 | | | | ENTERED | |
| 1974 | | | | MAR 12 1991 | |
| 1973 | | | | By | |
| 1972 | | | | | |
| 1971 | | | | | |
| 1970 | | | | | |
| 1969 | | | | | |
| 1968 | | | | | |
| 1967 | | | | | |
| 1966 | | | | | |
| 1965 | | | | | |

NAME OF PREPARER BARBARA HEATZOG PHONE (206) 753-1422

DATE PREPARED 12-18-80

SCAN: 234-1422

SHEET 3

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

*STATE ASSIGNED ID [1221]

*STATE CODE [53]

*SHRP SECTION ID [1007]

1. Year Applicable 82-89

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.
- 89 ☐ Growth factored last year's estimate.
- 88 ☐ Estimated based on volume counts at nearby locations.
- ☐ Used flow maps.

82-87 ☐ 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.

82-87, 89 ☐ Used system averages taken in earlier years at the GPS site.☐ Used computerized network analyses.88 ☐ Other: EST. - COUNT NEAR SITE
BUT MAY NOT BE TYPICAL

4. METHOD FOR ESTIMATING AADT BY GPS LANE

89 ☐ Based on actual lane count data.☐ System distribution factors.82-87, 89 ☐ Other: RATIO FROM 1988

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

88 ☐ Based on actual lane count data.☐ System distribution factors.82-87, 89 ☐ Other: RATIO FROM 1988

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 HW By _____NAME OF PREPARER BARBARA HERTZOGPHONE # (206) 753-1422DATE PREPARED 12-18-90

SCAN: 234-1422

| | |
|---|---------------------------|
| <p align="center">SHEET 4</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">TRAFFIC VOLUME COUNTS</p> | *STATE ASSIGNED ID [1221] |
| | *STATE CODE [53] |
| | *SHRP SECTION ID [1007] |

HIGHWAY ROUTE NO. (THIS COUNT) 121

MILEPOST# OR LOCATION (THIS COUNT) 11.56

BEGINNING DATE 9-28-88 ENDING DATE 9-28-88

BEGINNING TIME 00 ENDING TIME 00

COUNT DURATION 24 [X] HOURS [] DAYS [] MONTHS

TYPE OF COUNTER GK NAME/MODEL # 6000

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>1334</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 <u>* DW</u> | <u>220</u> | |
| E. OTHER FACTOR (<u> </u>) | <u> </u> | |
| 3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY) | <u>1227</u> | |
| 4. DIRECTIONAL DISTRIBUTION FACTOR | <u>494</u> | |
| 5. GPS LANE DISTRIBUTION FACTOR | <u> </u> | |
| 6. AADT GPS LANE | <u>606</u> | |

ENTERED
APR 02 1992
By W

 ENTERED
606 MAR 12 1991
By

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

| | |
|---|-------------------------------|
| NAME OF PREPARER <u>BARBARA HERTZOG</u> | PHONE # <u>(206) 753-1422</u> |
| DATE PREPARED <u>12-18-90</u> | SCAN: <u>234-1422</u> |

SHEET 5

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [1221]

*STATE CODE [53]

*SHRP SECTION ID [1007]

HIGHWAY RT. NO. (THIS COUNT) 221 MILEPOST# (THIS COUNT) 11.56LOCATION (THIS COUNT) Jct Dowd Rd, Lees FUNCTIONAL CLASS 6
BEGINNING DATE 9-28-88 ENDING DATE 9-28-88 09/29/86
BEGINNING 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 # GK 6000TOTAL NO. OF VEHICLES CLASSIFIED 1334 ^{1343 02lem 12/1/2004} * TRUCKS 577 % TRUCKS 43.2%NO. OF TRUCKS IN GPS LANE 305 * % OF TRUCKS IN GPS LANE 46.3% *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>737</u> | | <u>354</u> |
| 2. FHWA CLASS 4 (Buses) | <u>1</u> | | <u>1</u> |
| 3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck) | <u>40</u> | | <u>19</u> |
| 4. FHWA CLASS 6 (3 AXLE SU TRUCK) | <u>163</u> | | <u>86</u> |
| 5. FHWA CLASS 7 (4 or more Axle SU Truck) | <u>0</u> | <u>40</u> | <u>0</u> |
| 6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck) | <u>11</u> | <u>20</u> | <u>6</u> |
| 7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck) | <u>254</u> | ENTERED | <u>134</u> |
| 8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck) | <u>0</u> | AUG 19 1991 | <u>0</u> |
| 9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck) | <u>11</u> | By | <u>5</u> |
| 10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck) | <u>47</u> | ENTERED | <u>21</u> |
| 11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck) | <u>79</u> | MAY 07 1991 | <u>42</u> |
| 12. OTHER VEHICLES | <u>1343</u> | By | <u>659</u> |
| GRAND TOTAL | <u>1334</u> | | <u>659</u> |

NOTE: THIS MAY BE HARVEST TIME -
TRUCK PERCENT APPEARS TOO HIGH.
ESTIMATE AT 30% FOR SHEET 2.ENTERED
APR 02 1992NAME OF PREPARER BARBARA HERTZOG PHONE # (206) 753-1422
DATE PREPARED 12-18-90 SCAN: 234-1422