

SHEET 1	*STATE ASSIGNED ID [3395]
LTPP TRAFFIC DATA	*STATE CODE [53]
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID [3812]

STATE OR PROVINCE WASH COUNTY KING

HIGHWAY ROUTE NO. 5 MILEPOST# 176.46 - 176.76 NB

NEAREST CITY/TOWN MOUNTLAKE TERRACE NEAREST INTERSECTION 1.5 mi S/O SR 104

FUNCTIONAL CLASS 11 NO. LANES EACH DIRECTION 4 TOTAL NO. LANES 8

DIRECTION OF TRAVEL GPS LANE NB DATE OPENED TO TRAF. 12-01-65 ⁰³

FIPS COUNTY CODE 33 FHWA STATION IDENTIFICATION NO. —

HPMS SAMPLE NO. 500517280177 HPMS SUBDIVISION NO. 1

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 MAJOR SUBURBAN GROWTH

MALLS & BUSINESSES THROUGHOUT ENTIRE AREA

OF KING AND SNOHOMISH COUNTIES

Special Note: Site is in heavy traffic Suburban Seattle - among off-ramps and interchanges. Video logs show large trucks using Lane #2 (not GPS lane) to avoid the off/on traffic. GPS lane carries local business trucks (somewhat smaller) not the larger long-distance haulers who are passing through.

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

AUG 19 1991

By —

NAME OF PREPARER BARBARA HERTZOG PHONE (206) 753-1422
DATE PREPARED 7-21-91 SCAN: 234-1422

<p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p>	<p>*STATE ASSIGNED ID [3305]</p> <p>*STATE CODE [53]</p> <p>*SHRP SECTION ID [3812]</p>
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YEAR	1. ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	2. ESTIMATED TOTAL TRUCK AADT (TWO-WAY) <i>10 Trucks (10) x Truck 70</i>	3. ESTIMATED TOTAL VEHICLES AADT GPS LANE <i>(12) * .497 * .35</i>	4. ESTIMATED TOTAL TRUCKS AADT GPS LANE <i>(3) * 4.6 (low %)</i>	5. ESTIMATED ESAL'S/YR GPS LANE (1000's)
1989	159100	7637	27680	1273	536.8
1988	155000	7440	26960	1240	514.3
1987	144400	6931	25120	1155	471.2
1986	137500	6600	23920	1100	441.2
1985	147000	7056	25570	1176	463.6
1984	142800	6854	24840	1143	442.7
1983	113200	5434	19690	906	344.7
1982	105200	5050	18300	842	314.6
1981	103100	4949	17930	825	302.6
1980	92800	4454	16140	743	267.4
1979	93200	4474	16210	746	263.4
1978	90500	4344	15740	724	250.6
1977	85900	4123	14940	687	233.1
1976	81000	3888	14090	648	215.4
1975	78000	3744	13570	624	203.2
1974	72200	3466	12560	578	184.2
1973	76900	3691	13380	615	191.8
1972	76400	3667	13290	611	186.4
1971	68700	3298	11950	550	164.0
1970	71400	2856	12420	571	166.3
1969	72100	2884	12540	577	164.1
1968	66600	2664	11590	533	147.9
1967	59400	2376	10330	475	128.6
1966	57700	2308	10040	462	121.9
1965	52000	2080	9050	416	106.9

NAME OF PREPARER <u>BARBARA HEATZ</u>	DATE PREPARED <u>7-21-91</u>	ENTERED AUG 19 1991 By _____	ENTERED DEC 06 1991 By <u>HW</u>
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SHEET 3

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

*STATE ASSIGNED ID [3305]

*STATE CODE [23]

*SHRP SECTION ID [3812]

1. Year Applicable 65-89

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.
☐ Growth factored last year's estimate.
☐ Estimated based on volume counts at nearby locations.
☐ Used flow maps.
ALL ☒ 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.
ALL ☒ Used computerized network analyses.
☐ Other: _____

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
ALL ☒ Other: AADT from network analysis
RATIO from 1990 count at site

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
ALL ☒ Other: Ratios from 1990 count at site.

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 06 1991

By

LLV

ENTERED

AUG 19 1991

By

NAME OF PREPARER BARBARA HEATZOLPHONE (206) 753-1422DATE PREPARED 7-21-91

SCAN: 234-1422

SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS	*STATE ASSIGNED ID [3305] *STATE CODE [53] *SHRP SECTION ID [3012]
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HIGHWAY ROUTE NO. (THIS COUNT) SR 5

MILEPOST# OR LOCATION (THIS COUNT) 177.20

BEGINNING DATE _____ ENDING DATE 1990

BEGINNING TIME _____ ENDING TIME _____

COUNT DURATION / [] HOURS ☒ DAYS [] MONTHS

TYPE OF COUNTER _____ NAME/MODEL # PERMANENT RECORDER
SEATTLE SURVEILLANCE CENTER

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

ITEM	ACTUAL COUNTS	UNITS
1. TOTAL NO. OF VEHICLES (RAW COUNT)	_____	_____
2. ADJUSTMENT FACTORS (FILL IN AS APPLICABLE):		
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)	<u>140360</u>	ACTUAL AADT 1990
4. DIRECTIONAL DISTRIBUTION FACTOR	<u>.497</u>	PERCENT FROM SHEET 5
5. GPS LANE DISTRIBUTION FACTOR	<u>.350</u>	"
6. AADT GPS LANE	<u>25807</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>7-21-91</u>	SCAN: <u>234-1422</u>

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [3305]

*STATE CODE [53]

*SHRP SECTION ID [3812]

HIGHWAY RT. NO. (THIS COUNT) 5 MILEPOST# (THIS COUNT) 177.21LOCATION (THIS COUNT) N/O 175TH INTERCHANGE FUNCTIONAL CLASS 11BEGINNING DATE 10-31-90 ENDING DATE 10-31-90BEGINNING TIME 00 ENDING TIME 00 DURATION (HRS) TYPE OF COUNT: MANUAL X AUTOMATED X NO. OF LANES COUNTED 8TYPE OF EQUIP.: AVC PERM. X AVC PORT. WIM PERM. WIM PORT. EQUIPMENT NAME / MODEL Volumes from Seattle Surveillance Center + Manual Truck CountTOTAL NO. OF VEHICLES CLASSIFIED 15260 * TRUCKS 7255 % TRUCKS 4.75%NO. OF TRUCKS IN GPS LANE 1205 % OF TRUCKS IN GPS LANE 4.60%VEHICLE CLASSIFICATION METHOD: FHWA 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>143262</u>	<u>71152</u>	<u>24972</u>
2. FHWA CLASS 4 (Buses)	<u>580</u>	<u>276</u>	<u>77</u>
3. FHWA CLASS 5 (Two Axle, 6-Tire, SU Truck)	<u>2804</u>	<u>1395</u>	<u>560</u>
4. FHWA CLASS 6 (3 AXLE SU TRUCK)	<u>191</u>	<u>162</u>	<u>67</u>
5. FHWA CLASS 7 (4 or more Axle SU Truck)	<u>5</u>	<u>1</u>	<u>0</u>
6. FHWA CLASS 8 (4 or less axle 1-Trlr.Truck)	<u>502</u>	<u>209</u>	<u>90</u>
7. FHWA CLASS 9 (5 Axle, 1-Trlr.Truck)	<u>2349</u>	<u>1171</u>	<u>332</u>
8. FHWA CLASS 10 (6 or more Axle, 1-Trlr.Truck)	<u>390</u>	<u>210</u>	<u>39</u>
9. FHWA CLASS 11 (5 or less Axle, Multi-Trlr.Truck)	<u>103</u>	<u>44</u>	<u>12</u>
10. FHWA CLASS 12 (6 Axle, Multi-Trlr.Truck)	<u>86</u>	<u>44</u>	<u>4</u>
11. FHWA CLASS 13 (7 or more Axle, Multi-Trlr.Truck)	<u>245</u>	<u>108</u>	<u>24</u>
12. OTHER VEHICLES	<u></u>	<u></u>	<u></u>
GRAND TOTAL	<u>150517</u>	<u>74722</u>	<u>26177</u>

Computed by
Ratios of each Vch
Class for Lane and
Direction - Spring
Count of trucks only
3-19-91

Volumes from
Seattle S. Center
= 35.7%
of Direction

NAME OF PREPARER BARBARA HERTZOG PHONE # (206) 753-1422DATE PREPARED 7-21-91

SCAN: 234-1422