

<b>SHEET 1</b> <b>LTPP TRAFFIC DATA</b> <b>SUMMARY TRANSMITTAL FORM</b>	*STATE ASSIGNED ID <u>[1112]</u> *STATE CODE <u>[02]</u> *SHRP SECTION ID <u>2[1004]</u>
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STATE OR PROVINCE Alaska COUNTY Anchorage Borough  
 HIGHWAY ROUTE NO. 01339-Tudor Rd MILEPOST# 5.5  
 NEAREST CITY/TOWN Anchorage NEAREST INTERSECTION Boniface Hwy.  
 FUNCTIONAL CLASS 14 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4  
 DIRECTION OF TRAVEL GPS LANE East DATE OPENED TO TRAF. 07-27-77  
 FIPS COUNTY CODE AK 20 FHWA STATION IDENTIFICATION NO. —  
 HPMS SAMPLE NO. 004400250376 HPMS SUBDIVISION NO. N  
 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

ENTERED EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT  
 DEC 12 1991 STATION RELATIVE TO THIS GPS TEST SECTION. ENTERED  
 By HW MAY 02 1991  
 By \_\_\_\_\_

NAME OF PREPARER <u>Dave Esch</u> DATE PREPARED <u>4/3/91</u>	PHONE # <u>907 474-2471</u>
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<p align="center"><b>SHEET 2</b></p> <p align="center"><b>LTPP TRAFFIC DATA</b></p> <p align="center"><b>TRAFFIC VOLUMES AND LOAD ESTIMATES</b></p>	<p>*STATE ASSIGNED ID <u>11121</u></p> <p>*STATE CODE <u>1231</u></p> <p>*SHRP SECTION ID <u>2110041</u></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)
	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)		ESTIMATED TOTAL TRUCK AADT (TWO-WAY)		ESTIMATED TOTAL VEHICLES AADT GPS LANE		ESTIMATED TOTAL TRUCKS AADT GPS LANE		ESTIMATED ESAL'S / YR GPS LANE (1000's)
90 Trucks	23,125		807		8094		363		123
3.78 1989	22,630		786		7920		354		120
*3.74 1988	22,680		848		7938		382		129
*4.0 1987	23,309		932		8158		420		142
*4.25 1986	24,940		1060		8730		477		161
*4.5 1985	23,000		1035		8050		466		157
*4.75 1984	21,536		1023		7,538		460		155
5.0 1983	22,400		1120		7,840		504		170
5.6 1982	20,470		1146		7165		516		174
6.0 1981	19,000		1140		6650		513		173
4.5 1980	12,800		576		4480		259		87
5.3 1979	12,800		678		4480		305		103
5.9 1978	12,950		764		4532		344		116
Paved *5.9 1977	4,790		283		1677		127		43
7/77 1976									
Note: * - Percent Trucks Estimated from other years									
1975									
1974									
1973									
1972									
1971									
1970									
1969									
1968	ENTERED						ENTERED		
1967	DEC 12 1991						MAY 02 1991		
1966									
1965	By <u>LLV</u>						By _____		

NAME OF PREPARER <u>Dave Esch</u>	PHONE # <u>907 474-2971</u>
DATE PREPARED <u>4/3/91</u>	

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

\*STATE ASSIGNED ID [1112]  
\*STATE CODE [03]  
\*SHRP SECTION ID 211004

1. Year Applicable

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. in 1989
- ☐ 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: estimated 70% of 1-Way  
vehicles in Rt (GPS) lane

5. METHOD FOR ESTIMATING TRUCK AADT  
IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Estimated 90% of 1-Way  
Trucks in GPS lane

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: WT & Class Factors from 1990 - Glenn Hwy  
WT Station

Not Entered

**ENTERED**

DEC 12 1991

By

NAME OF PREPARER

Dave Esch

PHONE # (907) 479-6610

DATE PREPARED

7/3/91

## SHEET 3

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

\*STATE ASSIGNED ID [1112]

\*STATE CODE [03]

\*SHRP SECTION ID 21204

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: Factored continuous volume counts at site 1.3 mi West

## 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: Estimated 90% of 1-lane Trucks are in GPS Lane

## 6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.  
☒ ESAL/Vehicle class. (no. of classes) 13  
☐ 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. 10 yr (1990)  
☐ 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: Weights & Class factors from Glenn Highway Scales - 1990 averages

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: Estimated 70% of 1-lane Vehicles in R (GPS) Lane

ENTERED

DEC 12 1991

ENTERED

By LD

MAY 02 1991

By \_\_\_\_\_

NAME OF PREPARER Dave EschPHONE # (907) 474-2471DATE PREPARED 4/3/91

## SHEET 3

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

\*STATE ASSIGNED ID [1112]

\*STATE CODE [22]

\*SHRP SECTION ID 2[1004]

1. Year Applicable 1984-1988

## 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: Factored Continuous Counts at Site 1.3 mi. West

## 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: Estimated from 1989 and 1983 Counts

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: est 70% Traffic in GPS By WJ

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: Estimated 90% of 1-Way Truck Traffic is in Rt (GPS) Lane

## 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: W-4 data from Glenn Scales (1990)  
Class percentages from Tudor Counts (1989)

## (B) Weight Scale Type

- ☐ WIM scale.  
☒ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other:

ENTERED ENTERED

DEC 12 1991

MAY 02 1991

By

NAME OF PREPARER

Dave Esch

PHONE #

474-2471

DATE PREPARED

3/31/91

## SHEET 3

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

\*STATE ASSIGNED ID 1112\*STATE CODE 03\*SHRP SECTION ID AL00911. Year Applicable 1979-1983  
77

## 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: Est

## 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: Truck Percentages for Fixed Counter Location, Tudor Mile 4.22

## 4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: Est 70% Traffic in GPS Lane

## 5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.  
☐ System distribution factors.  
☒ Other: Est 90% of 1-Way Truck Traffic is in PL(GPS) lane

## 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: Wt. data from Glenn Hwy Scales from 1990 & Class Percent from Tudor Counts in 1989

## (B) Weight Scale Type

- ☐ WIM scale.  
☒ Static scale used for enforcement.  
☐ Static scale not used for enforcement.  
☐ Other: \_\_\_\_\_

ENTERED ENTERED

DEC 12 1991

MAY 02 1991

By LL By \_\_\_\_\_

NAME OF PREPARER \_\_\_\_\_ PHONE # \_\_\_\_\_

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