

4/15/91

SHEET 1	*STATE ASSIGNED ID <u>[6_105]</u>
LTPP TRAFFIC DATA	*STATE CODE <u>122</u>
SUMMARY TRANSMITTAL FORM	*SHRP SECTION ID <u>2160101</u>

STATE OR PROVINCE Alaska COUNTY Anchorage Borough
HIGHWAY ROUTE NO. State Route 1 MILEPOST# 14.5 Glenn Hwy
NEAREST CITY/TOWN Eagle River NEAREST INTERSECTION 1/2 Mile - Eagle R. Road
FUNCTIONAL CLASS 01 NO. LANES EACH DIRECTION 2 TOTAL NO. LANES 4
DIRECTION OF TRAVEL GPS LANE North DATE OPENED TO TRAF. 9/01/83 Overlaid 9/83
FIPS COUNTY CODE AK FHWA STATION IDENTIFICATION NO. _____
HPMS SAMPLE NO. 130000014325 HPMS SUBDIVISION NO. 0
TYPE OF PAVEMENT: AC 3 1/2" 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 _____

need to be entered 20

ENTERED

AUG 19 1991

By _____

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**

ENTERED
DEC 12 1991

MAY 02 1991

By _____

NAME OF PREPARER <u>David Esch</u>	PHONE # <u>(907) 474-2471</u>
DATE PREPARED <u>3/30/91</u>	

SHEET 2 LTPP TRAFFIC DATA TRAFFIC VOLUMES AND LOAD ESTIMATES	*STATE ASSIGNED ID [6105] *STATE CODE 1021 *SHRP SECTION ID 2160101
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SHEET #10		1.	2.	3.	4.	5.	
YEAR		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)	
1990		22110	1531	7738	692	239.95	
6.74 1989		20,887	1449	7310	652	226.03	Est of Cars 67%
6.84 1988		17,650	1208	6177	544	188.63	Trucks Est 90%
6.74 1987		18,400	1240	6440	558	193.49	Pl La Load Est 0.95 EAL
6.60 1986		19,234	1277	6732	575	199.38	
6.54 1985		22,460	1469	7861	661	229.20	
6.44 1984		21,600	1391	7560	626	217.06	
6.34 1983		19,420	1230	6797	554	192.10	
4 Lane Highway 1982		13,365	1002	4678	451	156.38	
1981		10,800	767	3780	345	119.63	Trucks Est 95%
5.7 1980		9,604	547	3361	260	90.16	in R/L Lane
5.7 1979		9,790	578	3426	274	95.00	Est 0.95 EAL
6.8 1978		10,000	680	3500	323	112.00	
6.5 1977		12,900	838	4515	398	138.00	
6.9 1976		7,360	508	2576	241	83.57	
6.5% 1975		6,740	438	2359	208	72.12	
from 8/74 6.6 1974		6,845	452	3422	226	78.37	
1973		6100	403	5550	202	70.04	Trucks @ 50%
2 Lane Highway 1972		5715	377	2858	189	65.53	
6.6 1971		5170	341	2585	170	58.95	
Paved 8/69 1970		4630	306	2315	153	53.05	
1969		4120	90	2060	45	15.60	
1968							
1967		ENTERED	ENTERED	ENTERED			All EAL Calculated @ 0.95 EAL
1966		DEC 12 1991					
1965			MAY 02 1991		AUG 19 1991		
By			By	By			

NAME OF PREPARER David Esch PHONE # 907 474-2471
 DATE PREPARED 4/1/91

SHEET 3

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

*STATE ASSIGNED ID [6105]

*STATE CODE [23]

*SHRP SECTION ID 26010

1. Year Applicable

1990

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: Estimated 70% of Vehicles are in Rt. Lane

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☒ System distribution factors.
- ☒ Other: Estimated that - 95% of Trucks are in right (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.
- ☐ Weight data from historic W-4 Tables used.
- ☒ Other: Weight Data from Glenn Highway Truck Wt. Station located 4 miles South of Same route

(B) Weight Scale Type

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

ENTERED ENTERED
MAY 02 1991 AUG 19 1991

By _____ By _____

NAME OF PREPARER Dave EschPHONE # (907) 474-2471DATE PREPARED 4/2/91

SHEET 3

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

*STATE ASSIGNED ID [6105]

*STATE CODE 1031

*SHRP SECTION ID 216010

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: _____

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 95% of Trucks in Rt (GPS) Lane

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☐ Other: based on ESAL Factors from 1990 and Class Counts from 1988 & 90

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: Data from Glenn Hwy. Scale 1990 Data

(B) Weight Scale Type

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

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Estimated 70% of Vehicles in Rt Lane

ENTERED

DEC 12 1991

By

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MAY 02 1991

By

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AUG 19 1991

NAME OF PREPARER

Dave Esch

DATE PREPARED

4/2/91

By

PHONE # (907) 474-2471

SHEET 3

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

*STATE ASSIGNED ID [6105]

*STATE CODE [02]

*SHRP SECTION ID 2160101

1. Year Applicable 1975-1983

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: _____

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Estimated 95% of Trucks in right (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: Data from Glen Hwy Scales for 1990 truck unit factors

(B) Weight Scale Type

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

ENTERED

4. METHOD FOR ESTIMATING AADT BY GPS LANE

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

DEC 12 1991

ENTERED

MAY 19 1991

By _____

NAME OF PREPARER

Dave EschPHONE # (907) 474-2471

DATE PREPARED

4/2/91

SHEET 3

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

*STATE ASSIGNED ID [6105]
 *STATE CODE [02]
 *SHRP SECTION ID 2160101

1. Year Applicable 1969-1974

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: Used 1975 truck PD

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: 2-lane 50:50 split

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☒ Based on actual lane count data.
☐ System distribution factors.
☐ Other: 50:50 split for 2-lane highway

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☒ ESAL/Truck.
☐ ESAL/Vehicle class. (no. of classes) _____
☐ Other: _____

ENTERED

DEC 12 1991

By UV

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: Data from 1990 Scales for truck w/d data

(B) Weight Scale Type

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

ENTERED

MAY 02 1991

By _____

ENTERED

AUG 19 1991

By _____

NAME OF PREPARER Dave Esch

PHONE (907) 479-2471

DATE PREPARED _____