

Bertha Cr.
Seward Hwy

| | |
|--|--|
| SHEET 1 LTPP TRAFFIC DATA SUMMARY TRANSMITTAL FORM | *STATE ASSIGNED ID [1102] *STATE CODE [22] *SHRP SECTION ID [1002] |
|--|--|

STATE OR PROVINCE Alaska COUNTY Kenai
HIGHWAY ROUTE NO. SR-1 MILEPOST# 66.2
NEAREST CITY/TOWN Seward NEAREST INTERSECTION Hope Rd
FUNCTIONAL CLASS 02 NO. LANES EACH DIRECTION 1 TOTAL NO. LANES 2
DIRECTION OF TRAVEL GPS LANE 4(So) DATE OPENED TO TRAF. 07-01-85
FIPS COUNTY CODE 122 FHWA STATION IDENTIFICATION NO. 52232400
HPMS SAMPLE NO. 003104400161 HPMS SUBDIVISION NO. N
TYPE OF PAVEMENT: AC ✓ (3") 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
EACH TRAFFIC COUNT, VEHICLE CLASSIFICATION COUNT, OR WEIGHT
STATION RELATIVE TO THIS GPS TEST SECTION.

ENTERED

DEC 12 1991

By LH

2/15/98

| | |
|-------------------------------------|-----------------------------|
| NAME OF PREPARER <u>Dwight Esch</u> | PHONE <u>(907) 474-2971</u> |
| DATE PREPARED <u>7/90</u> | |

Should be FHWA
Task Worksheet
LEAVE SECTION NO.
2/15/98

need to re enter

| | |
|--|---|
| <p>SHEET 2</p> <p>LTPP TRAFFIC DATA</p> <p>TRAFFIC VOLUMES AND LOAD ESTIMATES</p> | <p>*STATE ASSIGNED ID [1102]</p> <p>*STATE CODE [02]</p> <p>*SHRP SECTION ID [1002]</p> |
|--|---|

| 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) |
|------|--|---|---|---|--|
| 1989 | 2668 | 184 | 1334 | 92 | 68,666 |
| 1988 | 2686 | 186 | 1343 | 93 | 69,129 |
| 1987 | 2672 | 184 | 1336 | 92 | 68,769 |
| 1986 | 2582 | 178 | 1291 | 89 | 46,293 |
| 1985 | 2812* | 194 | 1406 | 97 | 25,208* |
| 1984 | | | | | |
| 1983 | | | | | |
| 1982 | | | | | |
| 1981 | | | | | |
| 1980 | | | | | |
| 1979 | | | | | |
| 1978 | | | | | |
| 1977 | | | | | |
| 1976 | | | | | |
| 1975 | | | | | |
| 1974 | | | | | |
| 1973 | | | | | |
| 1972 | | | | | |
| 1971 | | <div>ENTERED</div> <div>DEC 12 1991</div> <div>By <u>WJ</u></div> | | | |
| 1970 | | | | | |
| 1969 | | | | | |
| 1968 | | | | | |
| 1967 | | | | | |
| 1966 | | | | | |
| 1965 | | | | | |

Paved
Mid year
1985

| | |
|------------------------------------|-------------------------------|
| NAME OF PREPARER <u>David Esch</u> | PHONE # <u>(907) 474-2971</u> |
| DATE PREPARED <u>7/30/90</u> | |

PREPARED
2/15/96

SHEET 3

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

*STATE ASSIGNED ID [1102]

*STATE CODE [02]

*SHRP SECTION ID [1002]

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: Permanent Recorder at Silverthorn - on route

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: Based on 8 hr Class Counts on 7/18 & 19/1985

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Based on 50% of 2-way ADTs - Red Counter

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Estimated from 1985 Truck Counts & 50% Split

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) - 14
☐ 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 12 1991

ENTERED
2/15/96NAME OF PREPARER David EschPHONE # 907 979-2971DATE PREPARED 7/25/91

SHEET 3

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

*STATE ASSIGNED ID [1102]

*STATE CODE [02]

*SHRP SECTION ID [1002]

1. Year Applicable 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: Permanent Recorder at Silverhill - on route

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: Based on 8 hr Class Counts on 7/18 & 19/1985

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Based on 50% of 2-way ADTs - Red Counter

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Estimates from 1985 Truck Counts & 50% Split

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) - 14
☐ Other: _____

7. ESAL ESTIMATES

(A) Source of Data

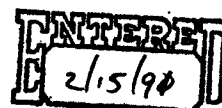
- ☐ Weight data collected at GPS site this year.
☐ Weight data collected at GPS site prior years.
☒ Weight data from system averages this year. 1989
☐ Weight data from system averages prior years.
☐ Weight data from historic W-4 Tables used.
☐ Other: _____

(B) Weight Scale Type

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

ENTERED

DEC 12 1991

By WDNAME OF PREPARER David EschDATE PREPARED 7/25/91PHONE # 907 474-2471

SHEET 3

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

*STATE ASSIGNED ID [1102]

*STATE CODE 102

*SHRP SECTION ID [1002]

1. Year Applicable 1987

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: Permanent Recorder at Silverdip - on route

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: Based on 8 hr Class Counts on 7/18 & 19/1985

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.

☒ Other: Based on 50% of 2-way ADTs - Road Counter

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

☐ Based on actual lane count data.

☐ System distribution factors.

☒ Other: Estimated from 1985 Truck Counts & 50% Split

6. METHOD FOR ESTIMATING ESAL/VEHICLE

☐ ESAL/Truck.

☒ ESAL/Vehicle class. (no. of classes) - 14

☐ 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. 1989
☐ 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 12 1991

By LD
 ENTERED
 2/15/90
NAME OF PREPARER D. David EschPHONE # 907 474-2471DATE PREPARED 7/25/91

SHEET 3

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

*STATE ASSIGNED ID [1102]
 *STATE CODE [02]
 *SHRP SECTION ID [1002]

1. Year Applicable 1986

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: Permanent Recorder at Silverhill - on route

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: Based on 8 hr Class Counts on 7/18 & 19/1985

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Based on 50% of 2-way ADTs - Red Counter

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
☐ System distribution factors.
☒ Other: Estimated from 1985 Truck Counts & 50% Split

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
☒ ESAL/Vehicle class. (no. of classes) 14
☐ 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 12 1991

By HN

ENTERED
 2/15/90

NAME OF PREPARER David Esch

PHONE # 907 474-2971

DATE PREPARED 7/25/91

SHEET 3

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

*STATE ASSIGNED ID [1102]

*STATE CODE [02]

*SHRP SECTION ID [1002]

1. Year Applicable 1985

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: Permanent Recorder at Silverchip - on route

5. METHOD FOR ESTIMATING TRUCK AADT IN GPS LANES

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Estimated from 1985 Truck Counts + 50% Split

6. METHOD FOR ESTIMATING ESAL/VEHICLE

- ☐ ESAL/Truck.
- ☒ ESAL/Vehicle class. (no. of classes): 14
- ☐ 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: Based on 8 hr Class Counts on 7/18 & 19/1985

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: _____

4. METHOD FOR ESTIMATING AADT BY GPS LANE

- ☐ Based on actual lane count data.
- ☐ System distribution factors.
- ☒ Other: Based on 50% of 2-way ADTs - Fixed Counter

By LD

DEC 12 1991

ENTERED
2/5/90

NAME OF PREPARER David EschPHONE # 907 474-2471DATE PREPARED 7/25/90

| | |
|--|----------------------------------|
| SHEET 4 LTPP TRAFFIC DATA TRAFFIC VOLUME COUNTS | *STATE ASSIGNED ID <u>[1102]</u> |
| | *STATE CODE <u>02</u> |
| | *SHRP SECTION ID <u>[1001]</u> |

HIGHWAY ROUTE NO. (THIS COUNT) SR-1 (130.000)

MILEPOST# OR LOCATION (THIS COUNT) 56.55 / Recader F-231

BEGINNING DATE Jan 1/85 ENDING DATE Dec. 31, every year

BEGINNING TIME Always "On" ENDING TIME Fixed Counter

COUNT DURATION 12 [] HOURS [] DAYS ☒ MONTHS

TYPE OF COUNTER Fixed Loop NAME/MODEL # Golden Rivers 0341

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

| ITEM | ACTUAL COUNTS | UNITS |
|--|---------------|-----------------------------------|
| 1. TOTAL NO. OF VEHICLES (RAW COUNT) | 1026380 | Permanent Fixed Counters/Recorder |
| 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 | ---- | ENTERED |
| E. OTHER FACTOR () | ---- | APR 01 1992 |
| 3. ANNUAL AVERAGE DAILY TRAFFIC (AADT) (TWO-WAY) | 2812 | By W |
| 4. DIRECTIONAL DISTRIBUTION FACTOR | 0.5 | |
| 5. GPS LANE DISTRIBUTION FACTOR | 1.0 | |
| 6. AADT GPS LANE | 1406 | |

NOTE: COMPLETE ONE SHEET FOR EACH COUNTING SESSION.

ENTERED
2/15/91

NAME OF PREPARER Dave Esch
DATE PREPARED 7/25/90

PHONE # 907-474-2971

SHEET 3

LTPP TRAFFIC DATA

VEHICLE CLASSIFICATION DATA
FHWA 13-CLASS SYSTEM

*STATE ASSIGNED ID [1102]

*STATE CODE [02]

*SHRP SECTION ID [1002]

HIGHWAY RT. NO. (THIS COUNT) SR-1MILEPOST# (THIS COUNT) 56.55LOCATION (THIS COUNTY) SilvertipFUNCTIONAL CLASS 2 mptBEGINNING DATE 7/18/85ENDING DATE 7/18/85BEGINNING TIME 2:00P-10PENDING TIME 10:00PDURATION (HRS) 8TYPE OF COUNT: MANUAL ☒ AUTOMATED ☐ NO. OF LANES COUNTED 2TYPE OF EQUIP.: AVC PERM. manual AVC PORT. ☐ WIM PERM. ☐ WIM PORT. ☐EQUIPMENT NAME / MODEL # noneTOTAL NO. OF VEHICLES CLASSIFIED 3389 # TRUCKS 257 % TRUCKS 6.87 20.1NO. OF TRUCKS IN GPS LANE 1868 34 % OF TRUCKS IN GPS LANE 6.87 20.1VEHICLE CLASSIFICATION METHOD: FHWA ☒ OTHER ☒ # BINS 24

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.

ENTERED

APR 01 1992

VEHICLE CLASSES

TOTAL NUMBER
OF VEHICLES
TWO-WAYTOTAL NUMBER
OF VEHICLES
GPS DIRECTIONTOTAL NUMBER
OF VEHICLES
GPS LANE

1. FHWA CLASSES 1-3

(Cars, Motorcycles, Vans)

2. FHWA CLASS 4

(Buses)

3. FHWA CLASS 5

(Two Axle, 6-Tire, SU Truck)

4. FHWA CLASS 6

(3 AXLE SU TRUCK)

5. FHWA CLASS 7

(4 or more Axle SU Truck)

6. FHWA CLASS 8

(4 or less axle 1-Trlr.Truck)

7. FHWA CLASS 9

(5 Axle, 1-Trlr.Truck)

8. FHWA CLASS 10

(6 or more Axle, 1-Trlr.Truck)

9. FHWA CLASS 11

(5 or less Axle, Multi-Trlr.Truck)

10. FHWA CLASS 12

(6 Axle, Multi-Trlr.Truck)

11. FHWA CLASS 13

(7 or more Axle, Multi-Trlr.Truck)

12. OTHER VEHICLES (RVs)

GRAND TOTAL

NAME OF PREPARER

David Esch

PHONE # (907) 474-2471

DATE PREPARED

7/27/90

ENTERED
2/15/91

AUG 14 1991

By