

**SHEET
LTPP TRAFFIC DATA**

**TRAFFIC VOLUME AND LOAD
ESTIMATE UPDATE - NO SITE COUNT**

STATE ASSIGNED ID [8908]

STATE CODE [30]

SHRP SECTION ID [7075]

1. ANNUAL TRAFFIC ESTIMATES

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)
1993	13553	1752	6965	900	175,280.3

*2/1/01 AADT
AS INSTRUCTIONS
BY DAN PISON* 488

2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY)
- ☐ Growth factored last year's estimate.
- ☐ Estimated based on volume counts at nearby locations.
- ☐ Used computerized network analysis.
- ☒ Other USED AUTOMATIC TRAFFIC RECORDER

CLASSIFICATION DATA AND ORACLE DATA -
BASE DAILY REPORTS.

3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY)
- ☒ Used system average from counts taken this year.
- ☐ Used count data from nearby sites.
- ☐ Used count data from previous years at GPS site.

- ☐ Used system averages from previous year counts.
- ☐ Used computerized network analysis.

☒ Other USED AUTOMATIC TRAFFIC RECORDER
CLASSIFICATION DATA AND ORACLE DATA -
BASE DAILY REPORTS.

4. METHOD FOR ESTIMATING TOTAL VEHICLES GPS LANE AADT

☐ System distribution factors.

☐ Other USED AUTOMATIC TRAFFIC RECORDER
CLASSIFICATION DATA AND ORACLE DATA -
BASE DAILY REPORTS. AVERAGE OF ENTIRE
YEARS DATA.

5. METHOD FOR ESTIMATING TOTAL TRUCKS, GPS LANE, AADT
- ☐ System distribution factors.
- ☒ Other USED ORACLE DAILY REPORTS

6. METHOD FOR ESTIMATING ESAL/YR IN GPS LANE

☐ ESAL/Truck factor.

☒ ESAL/vehicle class factors

Number of classes 13

☐ Other _____

7. ESAL ESTIMATES-SOURCE OF DATA

☐ Prior years data collected at GPS site.

☒ Current year system average.

☐ Prior year system average.

☐ Historical W-4 tables.

☐ Other _____

8. WEIGHT SCALE TYPE

☐ WIM Scale.

☒ Static scale used for enforcement.

☐ Static scale not used for enforcement.

☐ Other _____

ENTERED

MAR 06 2001

By JDP

NAME OF PREPARER VERNAL L. STARZ

PHONE # 1-406-444-7217

DATE PREPARED MARCH 29, 1996

ENTERED

APR 04 1996

By JD

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [30] *SHRP SECTION ID [2025]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8
 LOCATION (THIS COUNT) I-90 AT Billings
 FILENAME 59090447.DEC DISK/TAPE ID 5-7

BEGINNING DATE 12-8-93 BEGINNING TIME 16:00

ENDING DATE 12-31-93 ENDING TIME 23:00

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT 12-1-93 @ 00:00 to 12-8-93
@ 16:00 Counter Malfunctioned

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Thomas L. Harg</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>5-24-94</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [3 0] *SHRP SECTION ID [1 2 2 5]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8

LOCATION (THIS COUNT) I-90 AT Billings

FILENAME 59090447 NOV

DISKTAPE ID J-6

BEGINNING DATE 11-1-93

BEGINNING TIME 00:00

ENDING DATE 11-15-93

ENDING TIME 00:00

COUNT DURATION [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT 11-15-93 @ 00:00 to 11-30-93
@ 23:00 Counter Malfunctioned

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Wm J. Stang</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>5-24-94</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [3 0] *SHRP SECTION ID [2 0 7 5]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8

LOCATION (THIS COUNT) I-90 AT Billings

FILENAME 59090447.OCT DISKTAPE ID J-5

BEGINNING DATE 10-1-93 BEGINNING TIME 00:00

ENDING DATE 10-31-93 ENDING TIME 23:00

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Verna L. Stary</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>5-24-94</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [30] *SHRP SECTION ID [20-75]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8

LOCATION (THIS COUNT) I-90 at Bellings

FILENAME 59090447.JEP DISK/TAPE ID J-4

BEGINNING DATE 9-1-93 BEGINNING TIME 00:00

ENDING DATE 9-30-93 ENDING TIME 23:00

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Thomas J. Hany</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>5-24-94</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [_ _ _ _] *STATE CODE [30] *SHRP SECTION ID [1075]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8
 LOCATION (THIS COUNT) I-90 AT Billings
 FILENAME 59090447.AUG DISK/TAPE ID 53

BEGINNING DATE 8-1-93 BEGINNING TIME 00:00

ENDING DATE 8-31-93 ENDING TIME 23:00

COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT _____

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Thomas L. Stang</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>05-24-94</u>	

SHEET 12

LTPP TRAFFIC DATA

CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [_ _ _ _]

*STATE CODE [30]

*SHRP SECTION ID [70-15]

HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8LOCATION (THIS COUNT) I-90 At BillingsFILENAME 59090447.Jul DISK/TAPE ID J 2BEGINNING DATE 7-1-93 BEGINNING TIME 00:00END 7-27-93END Time 12:00Begin 7-30-93Begin Time 11:00ENDING DATE 7-31-93 ENDING TIME 23:00

COUNT DURATION [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT July 27 at 12:00 to July 30 @ 11:00Counter Malfunctioning

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER James S. Stang PHONE # 444-7217DATE PREPARED 5-24-94

<p>SHEET 12</p> <p>LTPP TRAFFIC DATA</p> <p>CLASSIFICATION DATA</p> <p>TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [_ _ _ _]</p> <p>*STATE CODE [30]</p> <p>*SHRP SECTION ID [2025]</p>
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 447.8

LOCATION (THIS COUNT) I-90 AT Billings

FILENAME 59090447 JUN DISKTAPE ID J1

<p>Begin <u>6-1-93</u></p> <p>END <u>6-14-93</u></p> <p>BEGINNING DATE <u>6-15-93</u></p> <p>END <u>6-22-93</u></p> <p>Begin <u>6-24-93</u></p> <p>ENDING DATE <u>6-30-93</u></p>	<p>Begin Time <u>00:00</u></p> <p>END Time <u>14:00</u></p> <p>BEGINNING TIME <u>15:00</u></p> <p>END TIME <u>14:32</u></p> <p>Begin Time <u>14:00</u></p> <p>ENDING TIME <u>23:00</u></p>
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COUNT DURATION _____ [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT X

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT 6-14-93 @ 1400 to 6-15-93 @ 15:00 and
6-22-93 @ 1432 to 6-24-93 @ 14:00 Counter
Malfunction

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Linda L. Stang</u>	PHONE # <u>444-7217</u>
DATE PREPARED <u>5-24-94</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID <u>[8208]</u>
	*STATE CODE <u>[30]</u>
	*SHRP SECTION ID <u>[2025]</u>

HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 442

LOCATION (THIS COUNT) I-90 at Billings

FILENAME 59090447.DOC DISKTAPE ID 2
C307075.F13

BEGINNING DATE 4/1/93 BEGINNING TIME 00:00

ENDING DATE 4/30/93 ENDING TIME 23:00

COUNT DURATION 9 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT _____

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT errors deleted

April 9-11 & 13 - 30 no data

const of structure close by

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Jerry Erickson</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>6/14/93</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [8908] *STATE CODE [30] *SHRP SECTION ID [2025]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 442

LOCATION (THIS COUNT) I-90 at Billings

FILENAME 59090447- Mar DISK/TAPE ID 1
C307015. E13

BEGINNING DATE 3/1/93 BEGINNING TIME 00:00

ENDING DATE 3/31/93 ENDING TIME 23:00

COUNT DURATION 15 [] HOURS [☒] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE
 VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW
 THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT _____

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT All errors have been deleted

No data for Mar 15-30

No comm. Chips had to be replaced & counter restarted

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Jerry Erickson</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>6/14/93</u>	

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [8908] *STATE CODE [30] *SHRP SECTION ID [3025]
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HIGHWAY RT. NO. (THIS SESSION) I-90 MILEPOST NO. (THIS SESSION) 442

LOCATION (THIS COUNT) I-90 at Billings

FILENAME 59090442 1125 DISK/TAPE ID 3

BEGINNING DATE _____ BEGINNING TIME _____

ENDING DATE _____ ENDING TIME _____

COUNT DURATION 0 [] HOURS [] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA _____ OTHER* _____ #BINS _____

NOTE: IF NOT PREVIOUSLY PROVIDED TO SHRP, PLEASE ATTACH SHEET 6 DESCRIBING THE VEHICLE CLASSIFICATION CATEGORIES AND ALSO ATTACH SHEET 7 DESCRIBING HOW THE SHA WOULD CONVERT ITS CLASSIFICATION SCHEME TO THE FHWA 13 CLASS SYSTEM.

TYPE OF AVC EQUIPMENT: PORTABLE _____ PERMANENT _____

EQUIPMENT MAKE/MODEL # _____

SENSOR TYPE _____

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION.

GENERAL FACTORS _____

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS) _____

COMMENTS TO TEXT no data

Const. to structure close by

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Jerry Erickson</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>6/14/93</u>	