

800.12.11.8.12
531801

SHEET 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE-NO SITE COUNT	*STATE ASSIGNED ID	[P 0 7]
	*STATE CODE	[53]
	*SHRP SECTION ID	[1 8 0 1]

1. ANNUAL TRAFFIC ESTIMATES

*YEAR	ESTIMATED TOTAL VEHICLES AADT (TWO-WAY)	ESTIMATED TOTAL TRUCK AADT (TWO-WAY)	ESTIMATED TOTAL VEHICLES AADT LTPP LANE	*ESTIMATED TOTAL TRUCKS AADT LTPP LANE	*ESTIMATED ESAL'S/YR LTPP LANE (1000'S)
1991	5113	427	2452	205	47

2. METHOD FOR ESTIMATING TOTAL VEHICLE AADT (TWO-WAY)

- ☐ Growth factored last year's estimate. (6)
- ☐ Estimated based on volume counts at nearby locations. (3)
- ☐ Used computerized network analyses. (4)
- ☐ Factored a single count taken this year at the LTPP site. (1)
- ☐ Averaged multiple counts taken this year at the LTPP site. (2)
- ☒ Averaged and factored multiple count taken this year at the LTPP site. (5)
- ☐ Used flow maps. (7)
- ☐ Other: (8) _____

3. METHOD FOR ESTIMATING TOTAL TRUCK AADT (TWO-WAY)

- ☐ Used system averages from counts taken this year. (6)
- ☐ Used count data from nearby sites. (3)
- ☐ Used count data from previous years at the LTPP site. (7)
- ☐ Used system averages from previous years. (8)
- ☐ Used computerized network analyses. (4)
- ☐ Used a single count taken this year at the LTPP site. (5)
- ☐ Factored a single count taken this year at the LTPP site. (1)
- ☒ Averaged multiple counts taken this year at the LTPP site. (2)
- ☐ Other: (9) _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES LTPP LANE AADT

- ☐ System distribution factors. (2)
- ☒ Based on actual lane count data. (1)
- ☐ Other: (3) _____

*5. METHOD FOR ESTIMATING TOTAL TRUCKS, LTPP LANE, AADT

- ☐ System distribution factors. (2)
- ☒ Based on actual lane data count. (1)
- ☐ Other: (3) _____

*6. METHOD FOR ESTIMATING ESAL/YEAR IN LTPP LANE

- ☐ ESAL/Truck factor (1)
- ☐ ESAL/Vehicle class. (2) (No. of classes) _____
- ☐ ESAL/Axle(3) Sing. _____ Tand. _____ Tri. _____
- ☒ Other: (4) 3 Truck factors (ESAL) applied to volumes of Single, Double, Triple unit Truck

7. ESAL ESTIMATES - SOURCE OF DATA

- ☐ Weight data collected at LTPP site prior years. (2)
- ☐ Weight data from system averages this year. (3)
- ☐ Weight data from system averages prior years. (4)
- ☐ Weight data from historic W-4 Tables used. (5)
- ☒ Other: (6) 3 Truck factors (ESAL) applied to volumes of Single, Double, Trip unit Trucks

8. WEIGHT SCALE TYPE

- ☒ WIM scale. (1)
- ☐ Static scale used for enforcement. (2)
- ☐ Static scale not used for enforcement. (3)
- ☐ Other: (4) _____

NAME OF PREPARER <u>Guorong Liu</u>	PHONE # <u>(360) 570-2420</u>
DATE PREPARED <u>1-11-05</u>	rev. March 12, 2001

ENTERED MAR 28 2005
[Signature]

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>POZ</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>180</u>]

HIGHWAY RT. NO. (THIS SESSION) 14 MILEPOST NO. (THIS SESSION) 17.7
 LOCATION (THIS COUNT) 1.74 mi. E of Jct. SR 140
 ✓ FILENAME C531801.M11 DISKTAPE ID A3

BEGINNING DATE 11/01/91 BEGINNING TIME 00:00

ENDING DATE 12/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] 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 # 1RD 1060

SENSOR TYPE Piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT

ENTERED

JUL 28 1992

By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene San Souci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

INV.
2/19/93
WU

NS
6/17/93

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>P071</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) 14 MILEPOST NO. (THIS SESSION) 17.7
 LOCATION (THIS COUNT) 1.74 mi. E of Jct. SR 140
 FILENAME C531801.L11 DISK/TAPE ID A3

BEGINNING DATE 10/01/91 BEGINNING TIME 00:00

ENDING DATE 11/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X 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 # IRD 1060

SENSOR TYPE Piczo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES

BY CLASSIFICATION.

GENERAL FACTORS

ENTERED

JUL 28 1992

By MP

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT 10/14/91 - lost hard drive, No data from
11:00 - 18:00

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

INV.
2/19/93
CW

NS
6/17/93

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [P02] *STATE CODE [53] *SHRP SECTION ID [1801]
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HIGHWAY RT. NO. (THIS SESSION) 14 MILEPOST NO. (THIS SESSION) 17.7
 LOCATION (THIS COUNT) 1.74 mi. E of Jct. SR 140
 /FILENAME C 531801. K11 DISK/TAPE ID A3

BEGINNING DATE 09/01/91 BEGINNING TIME 00:00:

ENDING DATE 10/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] 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 # 1RD 1060

SENSOR TYPE Piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT

ENTERED
 JUL 28 1992
 BY [Signature]

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene San Souci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

IND.
 2/19/93
 CW

OS
 6/17/93

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>P07</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>180</u>]

HIGHWAY RT. NO. (THIS SESSION) 14 MILEPOST NO. (THIS SESSION) 17.7
 LOCATION (THIS COUNT) 1.74 mi. E. of Jct. SR 140
 FILENAME C531801.JE1 DISK/TAPE ID A3

BEGINNING DATE 08/15/91 BEGINNING TIME 09:00

ENDING DATE 09/01/91 ENDING TIME 00:00

COUNT DURATION 17 [] HOURS [X] DAYS [] MONTHS

VEHICLE CLASSIFICATION METHOD: FHWA X 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 # IRD 1060

SENSOR TYPE Piezo

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES
 BY CLASSIFICATION.

GENERAL FACTORS

CLASS SPECIFIC FACTORS (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT

ENTERED
 JUL 28 1992
 By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

Inv.
 2/19/93
 CC

CS
 6/17/93

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID <u>[_PQ7]</u>
	*STATE CODE <u>[53]</u>
	*SHRP SECTION ID <u>[_1801]</u>

HIGHWAY RT. NO. (THIS SESSION) SR 14

MILEPOST NO. OR LOCATION (THIS SESSION) MP 17.7

/FILENAME W531801.N11 DISK/TAPE ID A3

BEGINNING DATE 12/01/91 BEGINNING TIME 00:00

ENDING DATE 01/01/92 ENDING TIME 00:00

COUNT DURATION 1 [] HOURS [] DAYS [☒] MONTHS

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM X OTHER

EQUIPMENT MAKE/MODEL# IRP 1060

SENSOR TYPE Piezo

COMMENTS Autocalibration on.

ENTERED
JUL 28 1992
By MD

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>007</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) SR 14

MILEPOST NO. OR LOCATION (THIS SESSION) MP 17.7

FILENAME W531801.M11 DISK/TAPE ID A3

BEGINNING DATE 11/01/91 BEGINNING TIME 00:00

ENDING DATE 12/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM X OTHER

EQUIPMENT MAKE/MODEL# IRD 1060

SENSOR TYPE Piczo

COMMENTS Autocalibration on

ENTERED

JUL 28 1992

By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>1207</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) SR 14

MILEPOST NO. OR LOCATION (THIS SESSION) MP 17.7

FILENAME W531801.L11 DISK/TAPE ID A3

BEGINNING DATE 10/01/91 BEGINNING TIME 00:00

ENDING DATE 11/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM X OTHER

EQUIPMENT MAKE/MODEL# IRD 1060

SENSOR TYPE Piezo

INV.
2/19/93
LW

COMMENTS Autocalibration still building, Site
calibrated for weight on 10/15/91. Data missing
10/15/91 from 14:00-18:00. Lost hard drive,
Changed clock to standard time @ 15:06,

DS
6/17/93

ENTERED
JUL 28 1992
By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

<p align="center">SHEET 13</p> <p align="center">LTPP TRAFFIC DATA</p> <p align="center">VEHICLE WEIGHT DATA</p> <p align="center">TRANSMITTAL FORM</p>	<p>*STATE ASSIGNED ID [<u>1207</u>]</p> <p>*STATE CODE [<u>53</u>]</p> <p>*SHRP SECTION ID [<u>1801</u>]</p>
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HIGHWAY RT. NO. (THIS SESSION) ~~MP~~ SR 14

MILEPOST NO. OR LOCATION (THIS SESSION) MP 17.7

√FILENAME W531801.K11 DISK/TAPE ID A3

BEGINNING DATE 09/01/91 BEGINNING TIME 00:00

ENDING DATE 10/01/91 ENDING TIME 00:00

COUNT DURATION 1 [] HOURS [] DAYS [X] MONTHS

WEIGHT SCALE TYPE: PORT. WIM PERM. WIM X OTHER

EQUIPMENT MAKE/MODEL# IRD 1060

SENSOR TYPE Piezo

COMMENTS Autocalibration building

IND.
2/19/93
LLV

PS
6/17/93

ENTERED

JUL 28 1992

By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

SHEET 13 LTPP TRAFFIC DATA VEHICLE WEIGHT DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [<u>POZ</u>]
	*STATE CODE [<u>53</u>]
	*SHRP SECTION ID [<u>1801</u>]

HIGHWAY RT. NO. (THIS SESSION) SR 14

MILEPOST NO. OR LOCATION (THIS SESSION) MP 17.7

FILENAME W531801.JE1 DISK/TAPE ID A3

BEGINNING DATE 08/15/91 BEGINNING TIME 09:00

ENDING DATE 09/01/91 ENDING TIME 00:00

COUNT DURATION 17 [] HOURS [☒] DAYS [] MONTHS

WEIGHT SCALE TYPE: PORT. WIM [] PERM. WIM [☒] OTHER []

EQUIPMENT MAKE/MODEL# IRD 1060

SENSOR TYPE Piezo

COMMENTS Site installed 08/15/91, Auto calibration
turned on.

IND.
2/19/93
LLV

NS
6/17/93

ENTERED
JUL 28 1992
By MP

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER <u>Irene SanSouci</u>	PHONE # <u>(206) 586-6555</u>
DATE PREPARED <u>01-16-92</u>	

**SHEET 14
LTPP TRAFFIC DATA**

EQUIPMENT INSTALLATION LOG

STATE ASSIGNED ID [P07]

STATE CODE [53]

SHRP SECTION ID [1801]

LOCATION SR 14 MP 17.7 DATE OF INSTALLATION July 11, 1991

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	IRD Model 1060	IRD WIM	9103-0894
Interface	(included in control unit)		
Modem	2400 Baud	Multi-Tech Systems	1483383
Loop Amplifiers	(included in control unit)		
Other _____			
Sensor(s) / Platform(s)			
GPS Lane Sensor	2 each - Piezo Class 1		
Sensor Next Adjacent Lane (1)	" " " "		
Sensor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor			
Right Platform			
Left Platform			
Other _____			
Software			
Complete Package	Version #	IRD	
Axle Spacing Algorithm Only			
Other _____			
Loops			
Upstream - Lane 1	Yes		
Downstream - Lane 1	Yes		
Upstream - Other Lanes	Yes		
Downstream - Other Lanes	Yes		

SHEET 15 LTPP TRAFFIC DATA LOG OF CHANGES AT GPS TEST LOCATIONS WITH PERM. AVC OR WIM	*STATE ASSIGNED ID [_E07 _]
	*STATE CODE [53]
	*SHRP SECTION ID [_1801 _]

LOCATION SR 14 TYPE EQUIP. Piezo Class 1

MP # MP 17.7 MODEL # IRD 1060

DATE OF CHANGE	TIME OF CHANGE	DESCRIPTION OF CHANGE	PERSON MAKING CHANGE	PHONE #	NEW EQUIP. SERIAL #
09/26/91		Installed Version 7.2.1	Pat McFayden	753-6156	
10/15/91		Calibrated site for weight. Temp. causes <u>±</u> 10% fluctuation.			
10/14/91		Installed new control unit.	Pat McFayden	753-6156	9106-1164
10/29/91		Reset clock to standard time @ 13:20.			
12/04/91		Installed Version 7.2.2	Pat McFayden	753-6156	