

File: 800, 12.7.8, 12

SHE 10 LTPP TRAFFIC DATA TRAFFIC VOLUME AND LOAD ESTIMATE UPDATE - NO SITE COUNT	STATE ASSIGNED ID [_ _ _ _]
	STATE CODE [30]
	SHRP SECTION ID [6004]

Miles City

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)
1998	710	103	355	52	25.0

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 ATR class data & proce database reports.

5. METHOD FOR ESTIMATING TOTAL
TRUCKS, GPS LANE, AADT

- ☐ System distribution factors.
☒ Other same as above

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 same as above

6. METHOD FOR ESTIMATING ESAL/YEAR
IN GPS LANE

- ☐ ESAL/Truck factor.
☒ ESAL/vehicle class factors -
Number of classes 13
☐ Other _____

4. METHOD FOR ESTIMATING TOTAL VEHICLES
GPS LANE AADT

- ☐ System distribution factors.
☒ Other same as above

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 _____

ENTERED

MAR 06 2001

By JDP

8. WEIGHT SCALE TYPE

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

NAME OF PREPARER _____	PHONE # _____
DATE PREPARED _____	

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0572]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) U S-12 MILEPOST: (THIS SESSION) 14.0

LOCATION: (THIS COUNT) U S-12 8.0 MILES EAST OF INTERSTATE 94[MILES CITY EAST]

FILENAME MT9812DD.004

BEGINNING DATE: DECEMBER 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: DECEMBER 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: X X

EQUIPMENT MAKE/MODEL #: ECM / HESTIA

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS IS A NEW DIAMOND SITE . I AM SENDING THE DATA I HAVE FOR

DECEMBER IN CARD 4 FORMAT. THIS SITE REPLACES 5302036.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER Verna L. Starz PHONE # (406) 444-7217

DATE PREPARED August 12, 1999

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0572]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) U S-12 MILEPOST: (THIS SESSION) 14.0

LOCATION: (THIS COUNT) U S-12 8.0 MILES EAST OF INTERSTATE 94[MILES CITY EAST]

FILENAME MT9811DD.004 DISK/TAPE ID :

BEGINNING DATE: NOVEMBER 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: NOVEMBER 30, 1998 ENDING TIME: 23:00

COUNT DURATION: 30 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: X X

EQUIPMENT MAKE/MODEL #: ECM / HESTIA

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS IS A NEW DIAMOND SITE . I AM SENDING THE DATA I HAVE FOR
NOVEMBER IN CARD 4 FORMAT. THIS SITE REPLACES 5302036.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER VERNA L. STARZ PHONE # (406) 444-7217

DATE PREPARED August 12, 1999

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0572]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) U S-12 MILEPOST: (THIS SESSION) 14.0

LOCATION: (THIS COUNT) U S-12 8.0 MILES EAST OF INTERSTATE 94[MILES CITY EAST]

FILENAME MT9810DD.004

BEGINNING DATE: OCTOBER 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: OCTOBER 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: X X

EQUIPMENT MAKE/MODEL #: ECM / HESTIA

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS IS A NEW DIAMOND SITE . I AM SENDING THE DATA I HAVE FOR
OCTOBER IN CARD 4 FORMAT. THIS SITE REPLACES 5302036.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED.

NAME OF PREPARER VERA L. STARZ PHONE # (406) 444-7217

DATE PREPARED August 12, 1999

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0021]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.AUG

BEGINNING DATE: AUGUST 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: AUGUST 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMOND\TT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS SITE IS HAVING PROBLEMS SO I AM NOT SENDING THE DATA
PIEZO IN EAST BOUND LANE HAS SHUT DOWN. THIS SITE WILL BE REPLACED IN THE FALL.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER VERNA L. STARZ PHONE # (406) 444-7217

DATE PREPARED August 12, 1999

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID <u>[0021]</u>
	*STATE CODE <u>[30]</u>
	*SHRP SECTION ID <u>[6004]</u>

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.JUL

BEGINNING DATE: JULY 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: JULY 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMONDITT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS SITE IS HAVING PROBLEMS SO I AM NOT SENDING THE DATA
PIEZO IN EAST BOUND LANE HAS SHUT DOWN.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER <u>VERNA L. STARZ</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>August 12, 1999</u>	

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0021]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.JUN DISK/TAPE ID #1

BEGINNING DATE: JUNE 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: JUNE 30, 1998 ENDING TIME: 23:00

COUNT DURATION: 30 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMOND\TT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: THIS SITE IS HAVING PROBLEMS SO I AM NOT SENDING THE DATA
PIEZO IN EAST BOUND LANE HAS SHUT DOWN.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER VERNA L. STARZ PHONE # (406) 444-7217

DATE PREPARED September 17, 1998

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [0021]
	*STATE CODE [30]
	*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.APR DISK/TAPE ID #1

BEGINNING DATE: APRIL 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: APRIL 30, 1998 ENDING TIME: 23:00

COUNT DURATION: 30 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMOND/TT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: COMMUNICATION WITH THIS SITE HAS BEEN VERY POOR. PIEZO IN EAST BOUND LANE HAS SHUT DOWN. WE PLAN TO INSTALL A WIM SITE JUST DOWN THE ROAD THIS SUMMER. ALSO JUST FINISHED PUTTING THE NEW FIRMWARE IN FOR ALL THESE SITES

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER <u>VERNA L. STARZ</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>September 17, 1998</u>	

SHEET 12
LTPP TRAFFIC DATA
CLASSIFICATION DATA
TRANSMITTAL FORM

*STATE ASSIGNED ID [0021]

*STATE CODE [30]

*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.MAR DISK/TAPE ID #1

BEGINNING DATE: MARCH 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: MARCH 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMOND\TT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: MAY NEED SOME MINOR CALIBRATION.

PIEZO IN EAST BOUND LANE HAS SHUT DOWN. WE ALSO JUST FINISHED PUTTING THE NEW FIRMWARE IN FOR ALL THESE SITES

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER VERNA L. STARZ PHONE # (406) 444-7217

DATE PREPARED September 17, 1998

SHEET 12 LTPP TRAFFIC DATA CLASSIFICATION DATA TRANSMITTAL FORM	*STATE ASSIGNED ID [0021]
	*STATE CODE [30]
	*SHRP SECTION ID [6004]

HIGHWAY RT.: (THIS SESSION) P-2 MILEPOST: (THIS SESSION) 36.6

LOCATION: (THIS COUNT) US 12 36.6 MILES EAST OF I-94 NEAR LOCATE

FILENAME: 53002036.JAN DISK/TAPE ID #1

BEGINNING DATE: JANUARY 1, 1998 BEGINNING TIME: 00:00

ENDING DATE: JANUARY 31, 1998 ENDING TIME: 23:00

COUNT DURATION: 31 [] HOURS [XX] 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 SHRP would convert its classification scheme to the FHWA 13 Class System.

TYPE OF AVC EQUIPMENT: PORTABLE: PERMANENT: XX

EQUIPMENT MAKE/MODEL #: DIAMOND\TT2001

SENSOR TYPE: LOOPS & PIEZOS

ADJUSTMENT FACTORS FOR ESTIMATING AVERAGE ANNUAL VOLUMES BY CLASSIFICATION:

GENERAL FACTORS:

CLASS SPECIFIC FACTOR: (PROVIDE BY CLASS OR CLASS GROUPS)

COMMENTS TO TEXT: MAY NEED SOME MINOR CALIBRATION.
PIEZO IN EAST BOUND LANE HAS SHUT DOWN.

FILL OUT ONE TRANSMITTAL SHEET FOR EACH DATA FILE SUBMITTED:

NAME OF PREPARER <u>VERNA L. STARZ</u>	PHONE # <u>(406) 444-7217</u>
DATE PREPARED <u>March 30, 1998</u>	

**SHEET 14
LTPP TRAFFIC DATA
EQUIPMENT INSTALLATION LOG**

*STATE ASSIGNED ID
*STATE CODE
*SHRP SECTION ID

[30]
[6004]

LOCATION Miles City US 12 MP 14.0
INSTALLATION DATE 09/18/1998

	TYPE	BRAND NAME	SERIAL NUMBER
Control Unit(s) and peripheral equipment			
Control Unit	ECM	Hestia	
Interface			
Modem	Micro-Aide	LPM-14	
Loop Amplifiers			
Other			
Sensor(s) / Platform(s)			
LTPP Lane Sensor	ECM class 1 piezo	Vibra-coax	
Sensor Next Adjacent Lane (1)	ECM class 1 piezo	Vibra-coax	
Senor Next Adjacent Lane (2)			
Sensor Next Adjacent Lane (3)			
Diagonal Sensor			
Offscale Sensor	ECM class 2 piezo	Vibra-coax	
Right Platform			
Left Platform			
Other			
Software			
Complete Package	Polling using ECM software	TRADAS used to evaluate software	
Axle Spacing Algorithm Only	State Algorithm		
Other			
Loops			
Upstream - Lane 1			
Downstream - Lane 1	One loop 4 turns	State Manufactured	
Upstream - Other Lanes			
Downstream - Other Lanes	One loop 4 turns	State Manufactured	

12.7.812